HITACHI

# INSTALLATION & OPERATION MANUAL

## ADVANCED COLOR
WIRED REMOTE CONTROLLER




## MODELS
PC-ARFG-E

**EN** INSTALLATION AND OPERATION MANUAL
**ES** MANUAL DE INSTALACIÓN Y FUNCIONAMIENTO
**DE** INSTALLATIONS- UND BETRIEBSHANDBUCH
**FR** MANUEL D'INSTALLATION ET DE FONCTIONNEMENT
**IT** MANUALE DI INSTALLAZIONE E D'USO
**PT** MANUAL DE INSTALAÇÃO E FUNCIONAMENTO
**DA** MONTERINGS- OG DRIFTSVEJLEDNING
**NL** INSTALLATIE- EN BEDIENINGSHANDLEIDING
**SV** INSTALLATION- OCH DRIFTHANDBOK
**EL** ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑΣ
**BG** РЪКОВОДСТВО ЗА ИНСТАЛИРАНЕ И ЕКСПЛОАТАЦИЯ
**CS** NÁVOD K MONTÁŽI A OBSLUZE
**HU** TELEPÍTÉSI ÉS ÜZEMELTETÉSI ÚTMUTATÓ
**PL** INSTRUKCJA MONTAŻU I OBSŁUGI
**RO** MANUAL DE INSTALARE SI OPERARE
**RU** ИНСТРУКЦИЯ ПО МОНТАЖУ И ЭКСПЛУАТАЦИИ
**FI** ASENNUS- JA KÄYTTÖOPPAASTAP
**HR** PRIRUČNIKU ZA INSTALACIJU I UPOTREBU
**SL** NAVODILA ZA MONTAŽO IN DELOVANJE
**SK** NÁVOD NA PREVÁDZKU A INŠTALÁCIU
**UK** ПОСІБНИКА З МОНТАЖУ ТА ЕКСПЛУАТАЦІЇ

Cooling & Heating

**PMML0565 rev.1 - 02/2022**

**English**

Specifications in this manual are subject to change without notice in order that Hitachi may bring the latest innovations to their customers.
Whilst every effort is made to ensure that all specifications are correct, printing errors are beyond Hitachi's control; Hitachi cannot be held responsible for these errors.

**Español**

Las especificaciones de este manual están sujetas a cambios sin previo aviso a fin de que Hitachi pueda ofrecer las últimas innovaciones a sus clientes.
A pesar de que se hacen todos los esfuerzos posibles para asegurarse de que las especificaciones sean correctas, los errores de impresión están fuera del control de Hitachi, a quien no se hará responsable de ellos.

**Deutsch**

Bei den technischen Angaben in diesem Handbuch sind Änderungen vorbehalten, damit Hitachi seinen Kunden die jeweils neuesten Innovationen präsentieren kann.
Sämtliche Anstrengungen wurden unternommen, um sicherzustellen, dass alle technischen Informationen ohne Fehler veröffentlicht worden sind. Für Druckfehler kann Hitachi jedoch keine Verantwortung übernehmen, da sie außerhalb ihrer Kontrolle liegen.

**Français**

Les caractéristiques publiées dans ce manuel peuvent être modifiées sans préavis, Hitachi souhaitant pouvoir toujours offrir à ses clients les dernières innovations.
Bien que tous les efforts sont faits pour assurer l'exactitude des caractéristiques, les erreurs d'impression sont hors du contrôle de Hitachi qui ne pourrait en être tenu responsable.

**Italiano**

Le specifiche di questo manuale sono soggette a modifica senza preavviso affinché Hitachi possa offrire ai propri clienti le ultime novità.
Sebbene sia stata posta la massima cura nel garantire la correttezza dei dati, Hitachi non è responsabile per eventuali errori di stampa che esulano dal proprio controllo.

**Português**

As especificações apresentadas neste manual estão sujeitas a alterações sem aviso prévio, de modo a que a Hitachi possa oferecer aos seus clientes, da forma mais expedita possível, as inovações mais recentes.
Apesar de serem feitos todos os esforços para assegurar que todas as especificações apresentadas são correctas, quaisquer erros de impressão estão fora do controlo da Hitachi, que não pode ser responsabilizada por estes erros eventuais.

**Dansk**

Specifikationerne i denne vejledning kan ændres uden varsel, for at Hitachi kan bringe de nyeste innovationer ud til kunderne.
På trods af alle anstrengelser for at sikre at alle specifikationerne er korrekte, har Hitachi ikke kontrol over trykfejl, og Hitachi kan ikke holdes ansvarlig herfor.

**Nederlands**

De specificaties in deze handleiding kunnen worden gewijzigd zonder verdere kennisgeving zodat Hitachi zijn klanten kan voorzien van de nieuwste innovaties.
Iedere poging wordt ondernomen om te zorgen dat alle specificaties juist zijn. Voorkomende drukfouten kunnen echter niet door Hitachi worden gecontroleerd, waardoor Hitachi niet aansprakelijk kan worden gesteld voor deze fouten.

**Svenska**

Specifikationerna i den här handboken kan ändras utan föregående meddelande för att Hitachi ska kunna leverera de senaste innovationerna till kunderna.
Vi på Hitachi gör allt vi kan för att se till att alla specifikationer stämmer, men vi har ingen kontroll över tryckfel och kan därför inte hållas ansvariga för den typen av fel.

**Ελληnika**

Οι προδιαγραφές του εγχειριδίου μπορούν να αλλάξουν χωρίς προειδοποίηση, προκειμένου η Hitachi να παρέχει τις τελευταίες καινοτομίες στους πελάτες της.
Αν και έχει γίνει κάθε προσπάθεια προκειμένου να εξασφαλιστεί ότι οι προδιαγραφές είναι σωστές, η Hitachi δεν μπορεί να ελέγξει τα τυπογραφικά λάθη και, ως εκ τούτου, δεν φέρει καμία ευθύνη για αυτά τα λάθη.

**Български**

Спецификациите в това ръководство подлежат на изменения без известяване, така че Hitachi да може дапредоставя на своите клиенти последните иновации.
Полагат се всички усилия, за да се гарантира, че всички спецификации са коректни, но печатните грешки са извън обсега на контрола на Hitachi и Hitachi не може да носи отговорност за тези грешки.

**Čeština**

Aby společnost Hitachi mohla svým zákazníkům poskytovat nejnovější inovace, specifikace uvedené v této příručce podléhají změnám bez předchozího upozornění.
Přestože vynakládáme maximální úsilí, aby všechny specifikace byly správné, tiskové chyby nespadají pod kontrolu společnosti Hitachi, která za takové chyby nenese odpovědnost.

**Magyar**

Az alábbi kézikönyvben foglalt előírások előzetes értesítés nélkül változhatnak, annak érdekében, hogy a Hitachi a legfrissebb újításokkal szolgálhasson ügyfelei számára.
Bár minden erőfeszítést megteszünk annak érdekében, hogy minden előírás helyes legyen, a nyomtatási hibák nem állnak a Hitachi ellenőrzése alatt; ezekért a hibákért a Hitachi nem tehető felelőssé.

**Polski**

Zamieszczone w niniejszej instrukcji obsługi dane techniczne mogą ulec zmianie bez uprzedniego powiadomienia ze względu na innowacyjne rozwiązania, jakie firma Hitachi nieustannie wprowadza z myślą o swoich klientach.
Mimo podejmowanych starań, aby zapewnić poprawność wszystkich podanych tutaj informacji, nie można wykluczyć zaistnienia błędów drukarskich, za które firma Hitachi nie ponosi żadnej odpowiedzialności.

**Română**

Specificațiile din acest manual pot fi modificate fără notificare prealabilă, pentru ca Hitachi să poată pune la dispoziția clienților noștri ultimele inovații.
Deși depunem toate eforturile pentru a ne asigura că toate specificațiile sunt corecte, erorile de tipărire depășesc controlul Hitachi; Hitachi nu poate fi tras la răspundere pentru aceste erori.

**Русский**

Технические характеристики, содержащиеся в данном руководстве, могут быть изменены Hitachi без предварительного уведомления, по причине постоянного внедрения последних инноваций.
Несмотря на то, что мы принимаем все возможные меры для актуализации технических данных, при публикации возможны ошибки, которые Hitachi не может контролировать, и за которые не несет ответственности.

**Suomi**

Tässä käyttöoppaassa ilmoitetut määritykset voivat muuttua ilman ennakkoilmoitusta HitachiN soveltaessa uusimpia innovaatioitaan tuotteisiinsa.
Vaikka olemme pyrkineet varmistamaan, että kaikki määritykset ovat oikein, Hitachi ei pysty valvomaan mahdollisia painovirheitä, eikä niin ollen ole niistä vastuussa.

**Hrvatski**

Specifikacije u ovom priručniku podložne su izmjenama bez najave da bi tvrtka Hitachi mogla svojim klijentima pružiti najnovije inovacije.
Iako se ulaže sav trud da bi se osigurala točnost svih specifikacija, greške u tisku nisu pod kontrolom tvrtke Hitachi; tvrtka Hitachi ne može biti odgovorna za takve greške.

**Slovenščina**

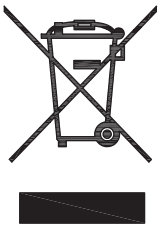
Specifikacije v tem priročniku se lahko spremenijo brez predhodnega obvestila, tako da lahko Hitachi nudi svojim strankam najnovejše inovacije.
Hitachi se bo trudil zagotoviti, da bodo vse specifikacije pravilne, medtem ko so tiskarske napake izven njihovega nadzora; Hitachi ni odgovoren za te napake.

**Slovenský**

Špecifikácie uvedené v tejto príručke sa môžu zmeniť bez predchádzajúceho upozornenia, pretože spoločnosť Hitachi chce svojim zákazníkom prinášať najnovšie inovácie.
Zatiaľ čo sa vynakladá maximálne úsilie na zabezpečenie toho, aby boli všetky špecifikácie správne, chyby tlače sú mimo kontroly spoločnosti Hitachi. Spoločnosť Hitachi nemôže niesť zodpovednosť za tieto chyby.

**Українська**

Специфікації цього посібника можуть бути змінені компанією Hitachi без попередження з метою ознайомлення клієнтів з останніми вдосконаленнями виробу.
Незважаючи на всі зусилля, спрямовані на те, щоб всі специфікації були правильними, компанія Hitachi не несе відповідальності за помилки друку, які не перебувають під її контролем.



## ⚠ CAUTION

This product shall not be mixed with general house waste at the end of its life and it shall be retired according to the appropriated local or national regulations in a environmentally correct way.
Due to the refrigerant, oil and other components contained in Air Conditioner, its dismantling must be done by a professional installer according to the applicable regulations. Contact to the corresponding authorities for more information.

## ⚠ PRECAUCIÓN

Éste producto no se debe eliminar con la basura doméstica al final de su vida útil y se debe desechar de manera respetuosa con el medio ambiente de acuerdo con los reglamentos locales o nacionales aplicables.
Debido al refrigerante, el aceite y otros componentes contenidos en el sistema de aire acondicionado, su desmontaje debe realizarlo un instalador profesional de acuerdo con la normativa aplicable. Para obtener más información, póngase en contacto con las autoridades competentes.

## ⚠ VORSICHT

Dass Ihr Produkt am Ende seiner Betriebsdauer nicht in den allgemeinen Hausmüll geworfen werden darf, sondern entsprechend den geltenden örtlichen und nationalen Bestimmungen auf umweltfreundliche Weise entsorgt werden muss.
Aufgrund des Kältemittels, des Öls und anderer in der Klimaanlage enthaltener Komponenten muss die Demontage von einem Fachmann entsprechend den geltenden Vorschriften durchgeführt werden. Für weitere Informationen setzen Sie sich bitte mit den entsprechenden Behörden in Verbindung.

## ⚠ ADVERTISSEMENT

Ne doit pas être mélangé aux ordures ménagères ordinaires à la fin de sa vie utile et qu'il doit être éliminé conformément à la réglementation locale ou nationale, dans le plus strict respect de l'environnement.
En raison du frigorigène, de l'huile et des autres composants que le climatiseur contient, son démontage doit être réalisé par un installateur professionnel conformément aux réglementations en vigueur.

## ⚠ AVVERTENZE

Indicazioni per il corretto smaltimento del prodotto ai sensi della Direttiva Europea 2011/54/EU e DLgs 4 marzo 2014 n.27.
Il simbolo del cassonetto barrato riportato sull' apparecchiatura indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti.
L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita agli idonei centri di raccolta differenziata dei rifiuti elettronici ed elettrotecnici, oppure riconsegnarla al rivenditore al momento dell' acquisto di una nuova apparecchiatura di tipo equivalente.
L'adeguata raccolta differenziata delle apparecchiature dismesse, per il loro avvio al riciclaggio, al trattamento ed allo smaltimento ambientalmente compatibile, contribuisce ad evitare possibili effetti negativi sull' ambiente e sulla salute e favorisce il riciclo dei materiali di cui è composta l' apparecchiatura. Non tentate di smontare il sistema o l'unità da soli poichè ciò potrebbe causare effetti dannosi sulla vostra salute o sull' ambiente. Vogliate contattare l' installatore, il rivenditore, o le autorità locali per ulteriori informazioni.
Lo smaltimento abusivo del prodotto da parte dell'utente può comportare l'applicazione delle sanzioni amministrative di cui all'articolo 50 e seguenti del D.Lgs. n. 22/1997.

## ⚠ CUIDADO

O seu produto não deve ser misturado com os desperdícios domésticos de carácter geral no final da sua duração e que deve ser eliminado de acordo com os regulamentos locais ou nacionais adequados de uma forma correcta para o meio ambiente.
Devido ao refrigerante, ao óleo e a outros componentes contidos no Ar condicionado, a desmontagem deve ser realizada por um instalador profissional de acordo com os regulamentos aplicáveis. Contacte as autoridades correspondentes para obter mais informações.

## ⚠ ADVASEL!

At produktet ikke må smides ud sammen med almindeligt husholdningsaffald, men skal bortskaffes i overensstemmelse med de gældende lokale eller nationale regler på en miljømæssig korrekt måde.
Da klimaanlægget indeholder kølemiddel, olie samt andre komponenter, skal afmontering foretages af en fagmand i overensstemmelse med de gældende bestemmelser.
Kontakt de pågældende myndigheder for at få yderligere oplysninger.

## ⚠ VOORZICHTIG

Dit houdt in dat uw product niet wordt gemengd met gewoon huisvuil wanneer u het weg doet en dat het wordt gescheiden op een milieuvriendelijke manier volgens de geldige plaatselijke en landelijke reguleringen.
Vanwege het koelmiddel, de olie en andere onderdelen in de airconditioner moet het apparaat volgens de geldige regulering door een professionele installateur uit elkaar gehaald worden. Neem contact op met de betreffende overheidsdienst voor meer informatie.

## ⚠ FÖRSIKTIGHET

Det innebär att produkten inte ska slängas tillsammans med vanligt hushållsavfall utan kasseras på ett miljövänligt sätt i enlighet med gällande lokal eller nationell lagstiftning.
Luftkonditioneringsaggregatet innehåller kylmedium, olja och andra komponenter, vilket gör att det måste demonteras av en fackman i enlighet med tillämpliga regelverk.
Ta kontakt med ansvarig myndighet om du vill ha mer information.

## ⚠ ΠΡΟΣΟΧΗ

Σημαίνει ότι το προϊόν δεν θα πρέπει να αναμιχθεί με τα διάφορα οικιακά απορρίμματα στο τέλος του κύκλου ζωής του και θα πρέπει να αποσυρθεί σύμφωνα με τους κατάλληλους τοπικούς ή εθνικούς κανονισμούς και με τρόπο φιλικό προς το περιβάλλον.
Λόγω του ψυκτικού, του λαδιού και άλλων στοιχείων που περιέχονται στο κλιματιστικό, η αποσυναρμολόγησή του πρέπει να γίνει από επαγγελματία τεχνικό και σύμφωνα με τους ισχύοντες κανονισμούς.
Για περισσότερες λεπτομέρειες, επικοινωνήστε με τις αντίστοιχες αρχές.

## ⚠ ВНИМАНИЕ

В края на своя технологичен живот този продукт не бива да се изхвърля заедно с общите битови отпадъци и трябва да се третира съгласно приетите местни или национални подзаконови нормативни актове по правилен от гледна точка на опазване на околната среда начин. Поради охладителя, маслото и останалите компоненти, съдържащи се в климатика, разглобяването му задължително се извършва от професионален техник съгласно приложимите подзаконови нормативни актове. За повече информация се свържете със съответните органи.

## ⚠ POZOR

Tento výrobek nesmí být na konci své životnosti likvidován v rámci běžného komunálního odpadu, nýbrž ekologickým způsobem v souladu s příslušnými místními nebo vnitrostátními předpisy.
Vzhledem k chladivu, oleji a dalším komponentům obsaženým v klimatizačním zařízení musí jeho demontáž provádět odborný instalatér v souladu s platnými předpisy. Více informací lze získat od příslušných orgánů.

## ⚠ FIGYELMEZTETÉS

Élettartama végén a termék az általános háztartási hulladékkal nem keverendő; ártalmatlanítását a vonatkozó helyi vagy nemzeti előírásoknak megfelelően, környezetvédelmi szempontból helyesen kell végezni.
A légkondicionálóban található hűtőfolyadék, olaj vés egyéb anyagok miatt ennek szétszerelését a vonatkozó előírásoknak megfelelően, szakembernek kell végeznie. További információért forduljon az illetékes hatósághoz.

## ⚠ OSTROŻNIE

Po zakończeniu okresu użytkowania produktu, nie należy go wyrzucać z odpadami komunalnymi, lecz dokonać jego usunięcia w sposób ekologiczny zgodnie z obowiązującymi w tym zakresie przepisami prawa lokalnego lub krajowego.
Ponieważ klimatyzatory zawierają czynniki chłodnicze i oleje oraz innego rodzaju elementy składowe, ich demontaż należy powierzyć wskazanemu w obowiązujących przepisach specjalistycznemu podmiotowi. Szczegółowe informacje na ten temat można uzyskać, kontaktując się z właściwymi organami władzy samorządowej.

## ⚠ PRECAUȚIE

Acest produs nu trebuie aruncat la gunoiul menajer la sfârșitul duratei sale de viață, ci trebuie scos din uz în conformitate cu reglementările locale sau naționale adecvate și într-un mod corect din punct de vedere al protecției mediului.
Datorită agentului frigorific, a uleiului și a altor componente ale aparatului de aer condiționat, demontarea acestuia trebuie făcută de un instalator profesionist în conformitate cu reglementările aplicabile. Contactați autoritățile competente pentru mai multe informații.

## ⚠ ПРЕДУПРЕЖДЕНИЕ

Этот продукт не должен утилизироваться вместе с обычными бытовыми отходами по истечению срока службы, а сдан в экологические пункты сбора в соответствии с местными или национальными нормами.
Из-за хладагента, масла и других компонентов, содержащихся в кондиционере, его демонтаж должен выполняться профессиональным установщиком в соответствии с действующими правилами. Для получения дополнительной информации свяжитесь с соответствующими органами.

## ⚠ HUOMIO

Tätä tuotetta ei saa poistaa yleisen talousjätteen mukana sen käyttöajan päättyessä. Se tulee poistaa käytöstä asianmukaisten paikallisten tai kansallisten säännösten mukaisesti ympäristöystävällisellä tavalla.
Johtuen ilmastointilaitteen sisältämästä jäähdytysaineesta, öljystä ja muista komponenteista, sen purkamiseen tarvitaan ammattiasentajaa. Purkamisen tulee tapahtua soveltuvien säännösten mukaisesti. Ota yhteyttä vastaaviin viranomaisiin ja pyydä lisätietoja.

## ⚠ OPREZ

Ovaj proizvod ne smije se miješati s običnim kućanskim otpadom na kraju vijeka trajanja i mora se odložiti u otpad sukladno odgovarajućim lokalnim ili državnim propisima na ekološki prihvatljiv način.
Zbog rashladnog sredstva, ulja i drugih komponenata sadržanih u klima-uređaju, rastavljanje uređaja mora obaviti profesionalni instalater sukladno važećim propisima. Obratite se odgovarajućim nadležnim tijelima u vezi daljnjih informacija.

## ⚠ POZOR

Ta izdelek se na koncu svoje življenjske dobe ne sme pomešati z običajnimi gospodinjskimi odpadki in se mora odstraniti na pravilen način za okolje v skladu z ustreznimi lokalnimi ali nacionalnimi predpisi.
Zaradi hladilnega sredstva, olja in drugih sestavin, ki jih vsebuje klimatska naprava, mora biti njeno uničenje opravljeno s strani strokovnega monterja v skladu z veljavnimi predpisi. Za več informacij se obrnite na ustrezne organe.

## ⚠ UPOZORNENIE

Tento výrobok nesmie byť po skončení jeho životnosti zmiešaný s bežným domovým odpadom a musí byť vyradený podľa príslušných miestnych alebo národných predpisov ekologicky správnym spôsobom.
V dôsledku chladiaceho média, oleja a iných komponentov obsiahnutých v klimatizačnom zariadení musí byť jeho demontáž vykonaná odborným inštalatérom podľa platných predpisov. Ďalšie informácie získate od príslušných orgánov.

## ⚠ ПОПЕРЕДЖЕННЯ!

Цей виріб не можна викидати разом зі звичайними побутовими відходами після закінчення його терміну служби, він повинен утилізуватися екологічно безпечним способом відповідно до діючих місцевих та національних законодавчих норм.
В зв'язку з наявністю в кондиціонері холодоагенту, масла та інших компонентів, його демонтаж повинен виконуватися кваліфікованими спеціалістами відповідно до чинного законодавства. Для отримання додаткової інформації зверніться до відповідних органів влади.



**DANGER** – Hazards or unsafe practices which COULD result in severe personal injuries or death.

**PELIGRO** – Riesgos o prácticas poco seguras que PODRÍAN producir lesiones personales e incluso la muerte.

**GEFAHR** – Gefährliche oder unsichere Anwendung, die zu schweren Körperverletzungen oder zum Tod führen kann.

**DANGER** – Utilisation dangereuse ou sans garantie de sécurité qui PEUT provoquer de sévères blessures personnelles ou la mort.

**PERICOLO** – Pericoli o azioni pericolose che POTREBBERO avere come esito lesioni fisiche gravi o il decesso.

**PERIGO** – Riesgos o prácticas poco seguras que PUEDEN producir lesiones personales e incluso la muerte

**FARE** – Farer eller farlig brug, som KAN resultere i alvorlig personskade eller dødsfald.

**GEVAAR** – Gevaren of onveilige praktijken die ernstig persoonlijk letsel of de dood tot gevolg KUNNEN hebben.

**FARA** – Risker eller osäkra tillvägagångssätt som KAN leda till svåra personskador eller dödsfall.

**ΚΙΝΔΥΝΟΣ** – Κίνδυνοι ή επικίνδυνες πρακτικές, οι οποίες ΜΠΟΡΕΙ να έχουν ως αποτέλεσμα σοβαρές σωματικές βλάβες ή θάνατο.

**ОПАСНОСТ** – Опасностите или практики, свързани с опасно третиране, които БИХА МОГЛИ да доведат до тежки наранявания или смърт.

**NEBEZPEČÍ** – Rizika nebo nebezpečné postupy, které MOHOU vést k vážným zraněním nebo smrti.

**VESZÉLY** – Veszélyes vagy nem biztonságos gyakorlatok, amelyek súlyos személyi sérüléseket vagy halált OKOZHATNAK.

**NIEBEZPIECZEŃSTWO** – Sygnalizuje czynności wiążące się z zagrożeniem lub ryzykiem, które MOGĄ prowadzić do poważnych obrażeń ciała lub śmierci.

**PERICOL** – pericole sau practici nesigure care ar putea duce la vătămări corporale grave sau deces.

**ОПАСНОСТЬ** – Опасные или рискованные действия, которые МОГУТ привести к серьезной травме или гибели.

**VAARA** – Vaaralliset tai riskialttiit toimenpiteet, jotka SAATTAVAT aiheuttaa vakavia henkilövammoja tai hengenvaaran.

**OPASNOST** – Rizični ili nesigurni postupci koji MOGU uzrokovati teške tjelesne ozljede ili smrt.

**NEVARNOST** – Nevarnosti in nevarna ravnanja LAHKO povzročijo hude telesne poškodbe ali smrt.

**NEBEZPEČENSTVO** - Nebezpečenstvo alebo nebezpečné postupy, ktoré by mohli viesť k vážnym zraneniam alebo smrti.

**НЕБЕЗПЕЧНО** - небезпека або небезпечні дії, які можуть призвести до серйозних травм або смерті.



**CAUTION** – Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

**PRECAUCIÓN** – Riesgos o prácticas poco seguras que PODRÍAN provocar lesiones personales de menor importancia o daños en el producto u otros bienes.

**VORSICHT** – Gefährliche oder unsichere Anwendung, die geringfügigen Personen-, Produkt- oder Sachschaden verursachen kann.

**PRECAUTION** – Utilisation dangereuse ou sans garantie de sécurité qui PEUT provoquer des blessures mineures ou des dommages au produit ou aux biens.

**ATTENZIONE** – Pericoli o azioni pericolose che POTREBBERO avere come esito lesioni fisiche minori o danni al prodotto o ad altri beni.

**CUIDADO** – Perigos e procedimentos perigosos que PODERÃO PROVOCAR danos pessoais ligeiros ou danos em produtos e bens.

**FORSIGTIG** – Farer eller farlig brug, som KAN resultere i mindre skade på personer, produkt eller ejendom.

**LET OP** – Gevaren of onveilige praktijken die licht persoonlijk letsel of beschadiging van het product of eigendommen tot gevolg KUNNEN hebben.

**VARSAMHET** – Risker eller farliga tillvägagångssätt som KAN leda till mindre personskador eller skador på produkten eller på egendom.

**ΠΡΟΣΟΧΗ** – Κίνδυνοι ή επικίνδυνες πρακτικές, οι οποίες ΜΠΟΡΕΙ να έχουν ως αποτέλεσμα την πρόκληση ελαφρών σωματικών βλαβών ή καταστροφή περιουσίας.

**ВНИМАНИЕ** – Опасностите или практики, свързани с опасно третиране, които БИХА МОГЛИ да доведат до леки наранявания или до повреди по продукта или щети по имуществото.

**POZOR** – Rizika nebo nebezpečné postupy, které MOHOU vést k lehkým zraněním osob, poškození výrobku nebo hmotné škodě.

**FIGYELMEZTETÉS** – Veszélyes vagy nem biztonságos gyakorlatok, amelyek kisebb személyi sérüléseket vagy halált OKOZHATNAK.

**OSTROŻNIE** – Wskazuje czynności, stanowiące zagrożenie lub ryzyko, które MOGĄ prowadzić do uszczerbku na zdrowiu lub strat materialnych.

**PRECAUȚIE** – pericole sau practici nesigure care AR PUTEA duce la vătămări corporale minore sau deces.

**ПРЕДУПРЕЖДЕНИЕ** – Опасные или рискованные действия, которые МОГУТ привести к легким травмам или повреждению имущества.

**HUOMIO** – Vaaralliset tai riskialttiit toimenpiteet, jotka SAATTAVAT aiheuttaa vähäisiä henkilövammoja tai tuotteen tai omaisuuden vahingoittumisen.

**OPREZ** – Rizični ili nesigurni postupci koji MOGU uzrokovati lakše tjelesne ozljede ili oštećenje proizvoda ili vlasništva.

**POZOR** - Nevarnosti in nevarna ravnanja LAHKO povzročijo manjše telesne poškodbe ali poškodbe izdelka ali materialno škodo.

**UPOZORNENIE** - Nebezpečenstvá alebo nebezpečné postupy, ktoré by mohli viesť k menšiemu zraneniu osôb alebo poškodeniu produktu alebo majetku.

**ОБЕРЕЖНО** - небезпека або небезпечні дії, які можуть призвести до незначних травм або пошкодження виробу чи майна.



**NOTE** – The text following this symbol contains information or instructions that may be of use or that require a more thorough explanation.

**NOTA** – El texto que sigue a este símbolo contiene información o instrucciones que pueden ser de utilidad o requeridas para ampliar una explicación.

**HINWEIS** – Der diesem Symbol folgende Text enthält konkrete Informationen und Anleitungen, die nützlich sein können oder eine tiefergehende Erklärung benötigen.

**REMARQUE** – Les textes précédés de ce symbole contiennent des informations ou des indications qui peuvent être utiles, ou qui méritent une explication plus étendue.

**NOTA** – I testi preceduti da questo simbolo contengono informazioni o indicazioni che possono risultare utili o che meritano una spiegazione più estesa.

**NOTA** – Os textos precedidos deste símbolo contêm informações ou indicações que podem ser úteis, ou que merecem uma explicação mais detalhada.

**BEMÆRK** – Den tekst, der følger efter dette symbol, indeholder oplysninger eller anvisninger, der kan være til nytte, eller som kræver en mere grundig forklaring.

**OPMERKING** – De teksten waar dit symbool voorstaat bevatten nuttige informatie en aanwijzingen, of informatie en aanwijzingen meer uitleg behoeven.

**OBS** – Texten efter denna symbol innehåller information och anvisningar som kan vara användbara eller som kräver en noggrannare förklaring.

**ΣΗΜΕΙΩΣΗ** – Το κείμενο που ακολουθεί αυτό το σύμβολο περιέχει πληροφορίες ή οδηγίες που μπορεί να φανούν χρήσιμες ή που απαιτούν μια πιο ενδελεχή εξήγηση.

**ЗАБЕЛЕЖКА** – Текстът, който следва след този символ, съдържа информация или инструкции, които могат да са от полза или които изискват по-подробно обяснение.

**POZNÁMKA** – Text uvozený tímto symbolem obsahuje informace nebo pokyny, které mohou být užitečné nebo které vyžadují podrobnější vysvětlení.

**MEGJEGYZÉS** – A szimbólum után következő szöveg olyan információkat vagy utasításokat tartalmaz, amelyek hasznosak lehetnek vagy részletesebb magyarázatot követelhetnek.

**UWAGA** – Treści oznakowane tym symbolem oznaczają informacje lub instrukcje, które mogą okazać się przydatne lub wymagają bardziej szczegółowego wyjaśnienia.

**NOTĂ** – Textul care urmează după acest simbol conține informații sau instrucțiuni care pot fi utile sau care necesită o explicație mai detaliată.

**ПРИМЕЧАНИЕ** – Сообщение, которое сопровождается этим символом, содержит информацию или указания, которые могут быть полезными, или которые требуют последующего объяснения.

**HUOMAUTUS** – Tätä symbolia seuraava teksti sisältää tietoja tai ohjeita, jotka voivat olla hyödyllisiä tai jotka vaativat perusteellisempaa selitystä.

**NAPOMENA** – Tekst nakon ovog simbola sadrži informacije ili upute koje mogu biti korisne ili koje zahtijevaju temeljitije objašnjenje.

**OPOMBA** - Besedilo, ki sledi temu simbolu, vsebuje informacije ali navodila, ki so lahko koristni ali ki zahtevajo temeljitejšo razlago.

**POZNÁMKA** - Text, ktorý nasleduje po tomto symbole, obsahuje informácie alebo inštrukcie, ktoré môžu byť užitočné a obsahujú podobnejšie vysvetlenie.

**ПРИМІТКА** - текст, що слідує за цим символом, містить інформацію або вказівки, які можуть бути корисними або потребують більш детальних роз'яснень.

| EN | English | Original Version |
|---|---|---|
| ES | Español | Versión traducida |
| DE | Deutsch | Übersetzte Version |
| FR | Français | Version traduite |
| IT | Italiano | Versione tradotta |
| PT | Português | Versão traduzidal |
| DA | Dansk | Oversat version |
| NL | Nederlands | Vertaalde versie |
| SV | Svenska | Översatt version |
| EL | Ελληνικα | Μεταφρασμένη έκδοση |
| BG | Български | Преведена версия |

| EN | English | Original Version |
|---|---|---|
| CS | Čeština | Přeložená verze |
| HU | Magyar | Lefordított változat |
| PL | Polski | Tłumaczenie wersji oryginalnej |
| RO | Română | Versiune tradusă |
| RU | Русский | Переведенная версия |
| FI | Suomi | Käännetty versio |
| HR | Hrvatski | Prevedena verzija |
| SL | Slovenščina | Prevedena različica |
| SK | Slovensky | Preložená verzia |
| UK | Українська | Перекладена версія |

EN

The English version is the original one; other languages are translated from English. Should any discrepancy occur between the English and the translated versions, the English version shall prevail.

ES

La versión en inglés es la original, y las versiones en otros idiomas son traducciones de la inglesa. En caso de discrepancias entre la versión inglesa y las versiones traducidas, prevalecerá la versión inglesa.

DE

Die englische Fassung ist das Original, und die Fassungen in anderen Sprachen werden aus dem Englischen übersetzt. Sollten die englische und die übersetzten Fassungen voneinander abweichen, so hat die englische Fassung Vorrang.

FR

La version anglaise est la version originale; les autres langues sont traduites de l'anglais. En cas de divergence entre les versions anglaise et traduite, la version anglaise prévaudra.

IT

La versione inglese è l'originale e le versioni in altre lingue sono traduzioni dall'inglese. In caso di divergenze tra la versione inglese e quelle tradotte, fa fede la versione inglese.

PT

A versão inglesa é a original; as versões em outras línguas são traduzidas do inglês. Em caso de divergência entre a versão em língua inglesa e as versões traduzidas, faz fé a versão em língua inglesa.

DA

Den engelske udgave er originalen, og udgaverne på andre sprog er oversat fra engelsk. Hvis der forekommer uoverensstemmelser mellem den engelske og den oversatte sprogudgave, vil den engelske udgave være gældende.

NL

De Engelse versie is de originele; andere talen zijn vertaald uit het Engels. In geval van verschillen tussen de Engelse versie en de vertaalde versies, heeft de Engelse versie voorrang.

SV

Den engelska versionen är originalet, och versionerna på andra språk är från engelska översättningar. I händelse av bristande överensstämmelse mellan den engelska och den översatta versionerna, skall den engelska versionen vara giltig.

EL

Η αγγλική έκδοση είναι το πρωτότυπο και οι εκδόσεις σε άλλες γλώσσες μεταφράζονται από τα αγγλικά. Σε περίπτωση που διαπιστωθούν διαφορές μεταξύ της αγγλικής και της μεταφρασμένης έκδοσης, η αγγλική έκδοση είναι επικρατέστερη.

BG

Версията на английски език е оригиналната; версиите на останалите езици са в превод от английски език. При различие между английската версия и преводна версия на друг език за меродавна се счита английската версия.

CS

Originální verze tohoto dokumentu je v angličtině; ostatní jazykové varianty jsou z angličtiny přeložené. Pokud mezi anglickou a jakoukoli jinou jazykovou verzí dojde k rozporu, bude převažovat anglická verze.

HU

Az eredeti változat az angol; az egyéb nyelvű változatok angolról lettek fordítva. Amennyiben az angol és a fordított verziók között bármilyen eltérés mutatkozik, az angol nyelvű változat a mérvadó.

PL

Wersja angielska jest wersją oryginalną - wszystkie pozostałe stanowią jej tłumaczenie na odpowiednie języki. W przypadku stwierdzenia jakichkolwiek rozbieżności między oryginałem a jego tłumaczeniem, rozstrzygająca jest wersja w języku angielskim.

RO

Versiunea originală este cea în limba engleză; versiunile în alte limbi sunt traduse din limba engleză. Dacă există vreo discrepanță între versiunile în limba engleză și versiunea tradusă, prevalează versiunea în limba engleză.

RU

Английская версия является оригинальной; другие языки переведены с английского. В случае любого расхождения между английской и переведенной версиями, английская версия имеет преимущественную силу.

FI

Englanninkielinen versio on alkuperäinen; muut kielet on käännetty englannista. Mikäli englannin ja käännettyjen versioiden välillä ilmenee eroavaisuuksia, englanninkielinen versio on voimassa.

HR

Verzija na engleskom jeziku je prvobitna verzija, a verzije na ostalim jezicima su prevedene s engleskog. U slučaju neslaganja između verzije na engleskom jeziku i prevedenih verzija, verzija na engleskom jeziku ima prednost.

SL

Izvirna različica je v angleškem jeziku; drugi jeziki so prevedeni iz angleščine. V primeru razhajanj med angleško in prevedeno različico, prevlada angleška različica.

SK

Anglická verzia je pôvodná, ďalšie jazyky sú preložené z angličtiny. V prípade akýchkoľvek nezrovnalostí medzi anglickou a preloženou verziou, bude rozhodujúca anglická verzia.

UK

Англійська версія є оригінальною; інші мови переведені з англійської. У разі виникнення розбіжностей між англійською та перекладеною версіями, англійська версія має переважну силу.

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# 1 SAFETY SUMMARY

Hitachi cannot anticipate every possible circumstance that might involve a potential hazard.

### ⚠ DANGER

- ***DO NOT pour water into the remote controller. This product is equipped with electrical parts. If poured, it will cause a serious electrical shock.***
- ***DO NOT perform installation work and electrical wiring connection by yourself. Contact your Hitachi distributor or dealer and ask them for installation work and electrical wiring by service person.***

### ⚠ CAUTION

- *DO NOT install the indoor unit, outdoor unit, controller and cable at such places as;*
  - *Where there is oil vapour and the oil is dispersed.*
  - *Where the hot springs are near (in a sulfuric environment).*
  - *Where generation, flowing, staying or leaking of flammable gas is detected.*
  - *Where the sea is near (in the salty environment).*
  - *An acid or alkaline environment.*
- *DO NOT install the indoor unit, outdoor unit, controller and cable within approximately 3 meters from strong electromagnetic wave radiators such as medical equipment. In case that the controller is installed in a place where there is electromagnetic wave radiation, shield the controller and cables by covering with the steel box and running the cable through the metal conduit tube.*
- *In case that there is electric noise at the power source for the indoor unit, provide a noise filter.*
- *Use specified cables to connect between indoor unit and remote control switch. Selecting incorrect cables may lead to fire or electrical shock.*

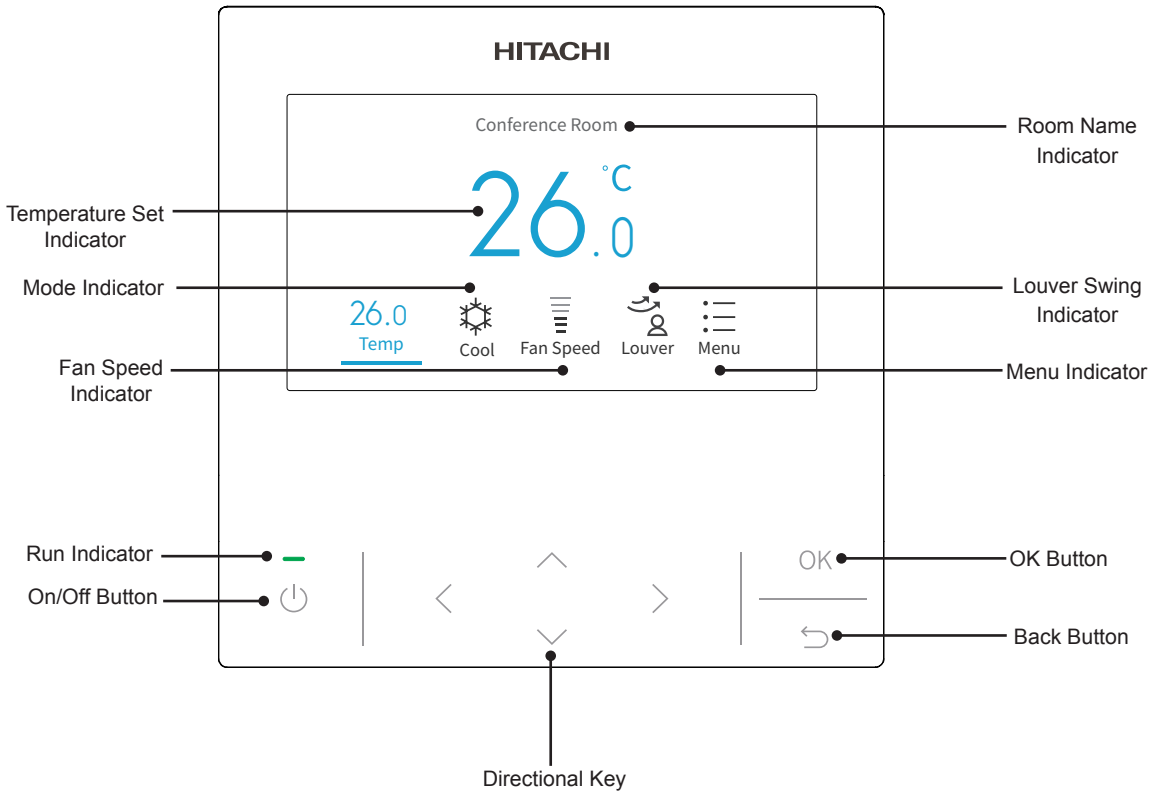
### NOTE

- *The installer and system specialist shall comply with local regulations or standards for the safety. The following standards may be applicable, if local regulations are not available. International Organization for Standardization, ISO5149 or European Standard, EN378 or Japan Standard, KHKS0010.*
- *Perform electrical work according to the Installation Manual. As for the electrical wiring work and check, turn OFF the main power supply before opening/closing the service cover of indoor unit. If service cover is opened with main power supply left on, it may result in an electrical shock.*
- *It is assumed that this control remote will be operated and serviced by English speaking people. If this is not the case, the customer should add safety such as operating signs in the native language for non English speakers.*
- *This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment.*
- *This appliance must be used only by adult and capable people, having received the technical information or instructions to handle this appliance properly and safely.*
- *Children should be supervised to ensure that they do not play with the appliance.*
- *Important: read and understand this manual before using this remote controller.*

If you have any questions, contact your Hitachi distributor or dealer.

# 2 SWITCH NAMES AND FUNCTIONS

The figure below shows all the indications for reference. The actual display during operation is different.



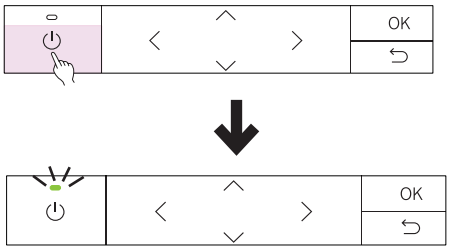

## NOTE

- *The complete information about the purchased products is supplied in a CD-ROM, which can be found bundled with the outdoor unit. In case that the CD-ROM is missing or it is not readable, please contact your Hitachi dealer or distributor.*
- *The backlight turns off 15 seconds after the last operation. If you press any switch, the backlight is turned on. (The switch pressed to turn on the backlight is not functional).*
- *Make sure to press the buttons lightly with your fingertips.*
- *Do NOT press the buttons or anything with sharp points, such as a ball point pen. This may damage the controller.*

# 3 OPERATION

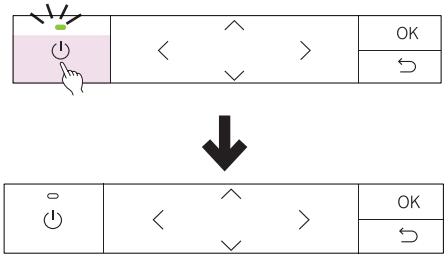
## 3.1 OPERATION START/STOP

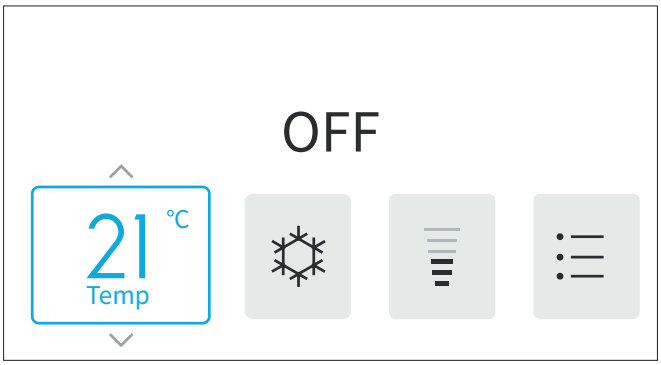
Press "⏻" (run/stop). The run indicator will be turned on/off and the operation will be started or stopped accordingly.









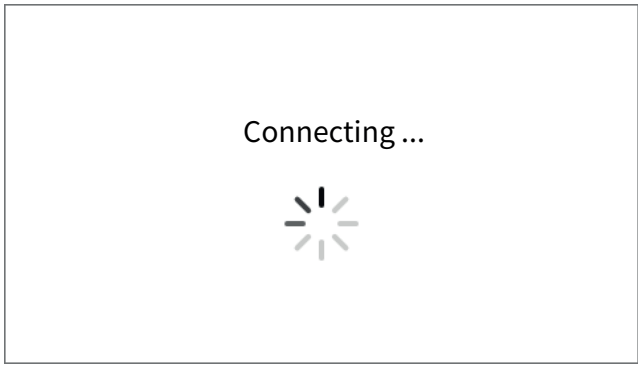

**NOTE**

- *Once the temperature and air volume settings are entered on the wired controller, they are applied to the units. The last settings remain displayed on the controller, being not necessary to set them again.*
- *When heating operation stops, indoor unit(s) may keep running in Fan mode for about 2 minutes.*

## 3.2 BASIC OPERATION

**1** Wired controller Power ON.

Wait a few seconds to get the controller connected to the indoor units or to other controller that may be connected to the same indoor unit.

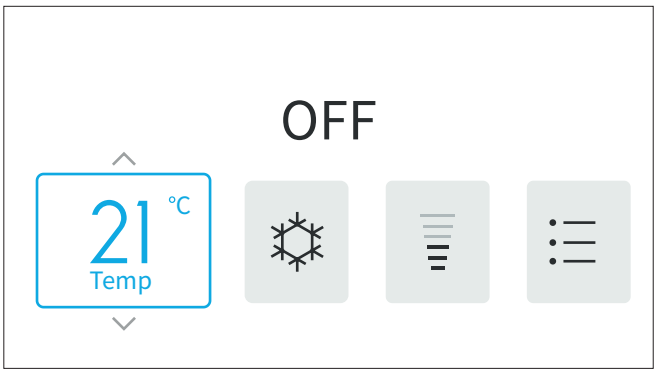



**2** Air Conditioner OFF

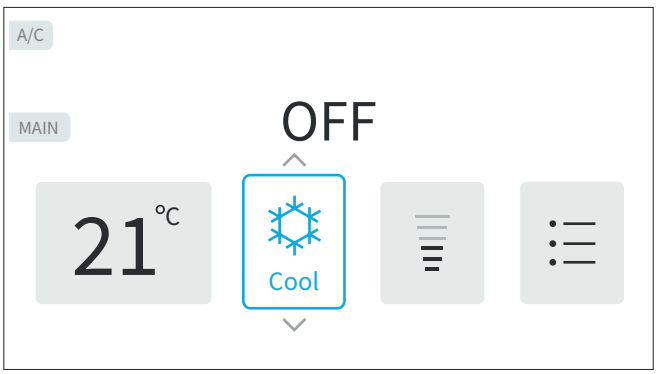
When air conditioner is off, press "<" or ">" to switch below items:

"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Menu".

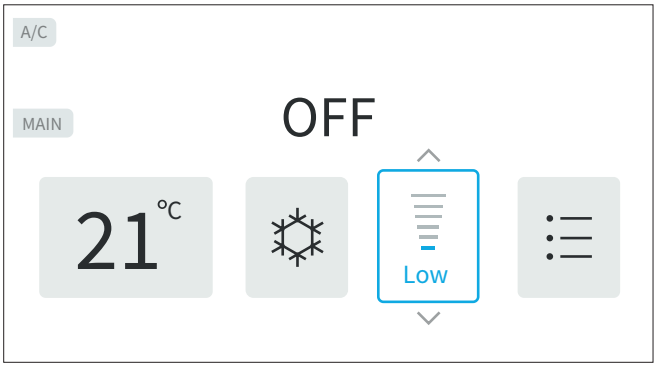
- Temperature



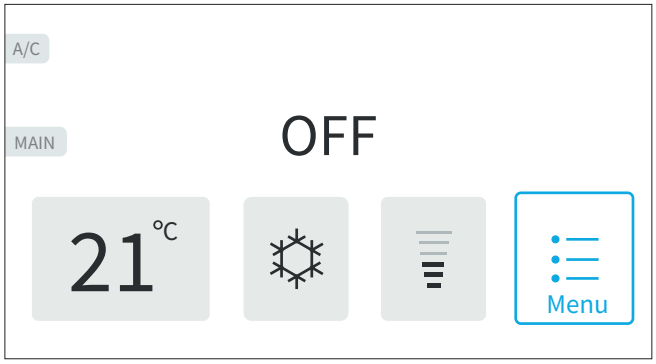

- Mode



- Fan Speed




- Menu




**3** Air Conditioner ON

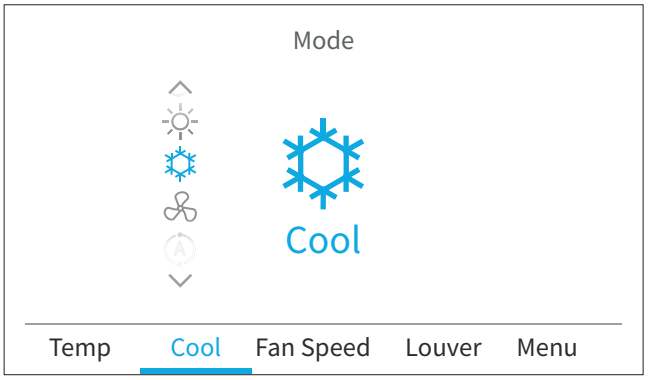
When air conditioner is on, press "<" or ">" to switch below items:

"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Menu".

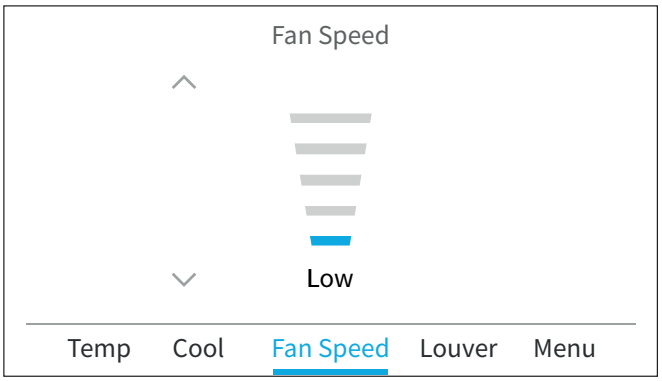
- Temperature



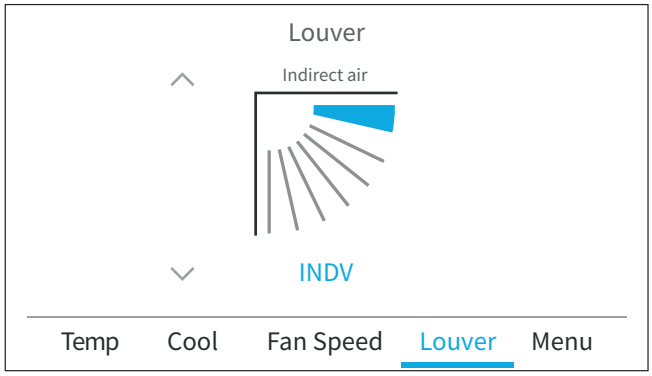

- Mode



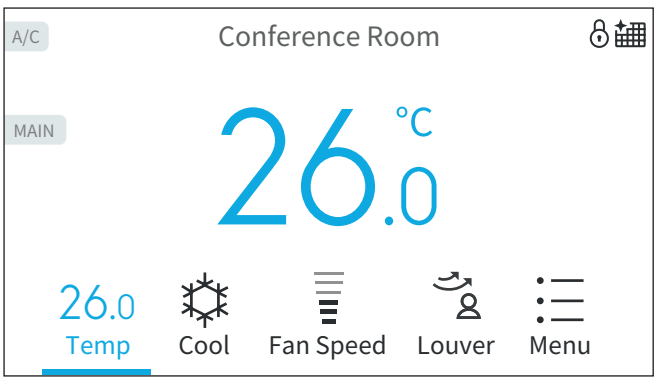

- Fan Speed




- Louver




- Menu

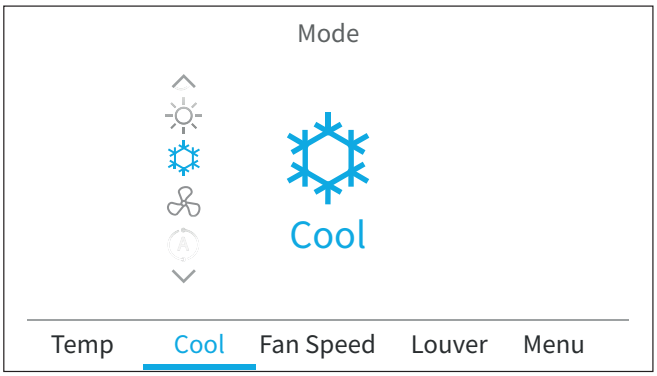


## 3.3 OPERATION MODE

Heating mode is only available when the indoor unit supports cooling and heating. Cooling only machine cannot support heating.

**Operation mode setting**

1 Press "<" or ">" to select "Mode".

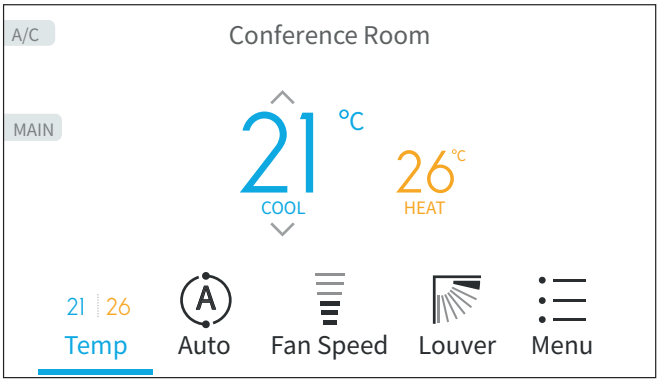


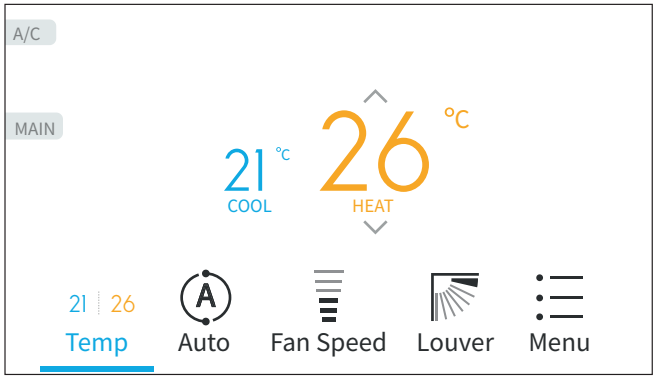

2 Set the operation mode with "^" or "v". The operation mode is switched in the following order:

"Cool" ↔ "Heat" ↔ "Dry" ↔ "Auto" ↔ "Fan"

If dual setpoint is selected in auto mode, both cooling setpoint and heating setpoint can be selected.
With Auto Cool/Heat mode, temperature setting is by default managed as follows when operation mode changes:

- Operation mode switches from cooling mode to heating mode: Temperature setting = Heating temperature setting -1°C
- Operation mode switches from heating mode to cooling mode: Temperature setting = Cooling set temperature +1°C




**NOTE**

*The function selection setting is required for "Auto" operation. Contact your distributor for detailed information.*

## 3.4 TEMPERATURE SETTING

1 Press "<" or ">" to select "Temp".




2 By pressing "^", the temperature is increased by 0.5ºC to a maximum of 30ºC.
By pressing "v", the temperature is decreased by 0.5ºC.

3 Cooling, Dry, Fan operation: a minimum of 19ºC.

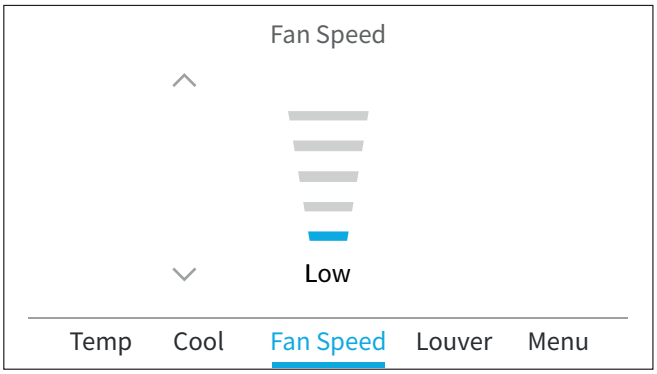
4 Heating operation: a minimum of 17ºC.

**NOTE**

- *Depending on the type and setting of the indoor unit, it may not be possible to set the temperature by 1°F (0.5ºC).*
- *The max./ min. temperature may differ depending on the type of indoor unit.*
- *Minimum and maximum temperature set-point limits can be configured by selecting a cooling lower limit and heating upper limit in the "Function Selection" mode.*
- *When the "Automatic Reset of Setting Temperature" function is selected, the temperature is automatically returned to the preset temperature after the temperature set-point change.*
- *Contact your distributor for detailed information about "Automatic Reset of Setting Temperature" and "Cooling Lower Limit Value and Heating Upper Limit Value for Setting Temperature" functions.*

## 3.5 FAN SPEED

**1** Press "〈" or "〉" to select "Fan Speed".




**2** By pressing "∧" or "∨", the fan speed changes as follows.



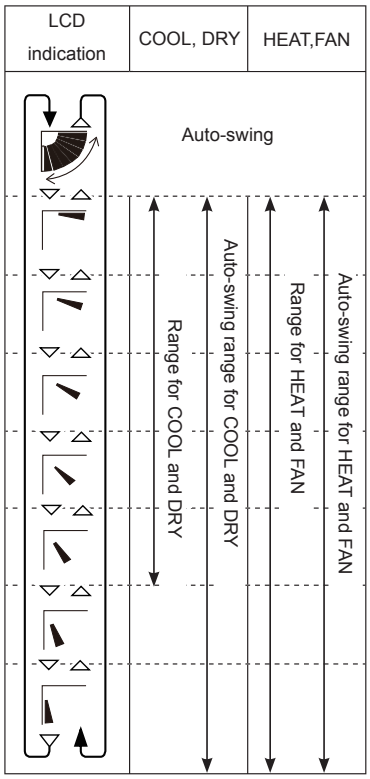

**NOTE**

- *During dry operation, the fan speed is automatically changed to "LOW" and cannot be changed to another fan speed. ("LOW" is NOT displayed on the liquid crystal display (LCD) at this time. The present setting status is displayed on the LCD).*
- *Some of the fan speed settings as "High2" or "Auto" may not be available depending on the indoor unit type*

## 3.6 LOUVER SWING DIRECTION

**1** Press "⏻" (On/Off). Make sure that the power is ON. Press "〈" or "〉" and select "Louver".

**2** By pressing "∧" or "∨", the louver direction changes as below diagram , and the direction of different types of louver is displayed differently.




: Auto swing operation will be started. At this time, the louver icon on the LCD will keep swinging repeatedly.

**NOTE**

- *For the indoor unit without the auto louver mechanism, the indication of "Louver" is NOT displayed on the LCD.*
- *The air flow angle is different for each indoor unit type. Check for detailed information in each Operation Manual for indoor unit.*
- *The louver position on the LCD and the actual louver position may not match during the Auto-Swing. To set the louver positions, set the angle after checking the position on the LCD.*
- *The louver may NOT stop immediately after the switch is pressed.*

# 4 ICON DESCRIPTION

The status of the remote controller is displayed on the operation screen.

**NOTE**

- *It may not be displayed depending on the type of outdoor unit or indoor unit you are using.*
- *If there are multiple status, the high priority icon is displayed first.*

| No. | Icon | Description |
|---|---|---|
| 1 |  | A schedule timer is set. |
| 2 |  | Set the current time. Schedule timer operation is not possible. |
| 3 |  | The off timer is set. |
| 4 |  | The operation lock is set. |
| 5 |  | Displayed when using the central controller. Remote control operation is restricted. |
| 6 |  | It is time to freeze-clean the heat exchanger. |
| 7 |  | It is time to clean the air filter. |
| 8 | A/C | Air-conditioning operation is performed. |
| 9 | Ventilation<br>Total heat ventilation<br>Automatic ventilation<br>Normal ventilation | Ventilation, automatic ventilation, total heat ventilation, and normal ventilation are operating. |
| 10 | ** ºC | Displays the room temperature. (*1) |
| 11 | SAG | Elevating grille is not stored correctly. |
| 12 | Emergency operation | Emergency operation is in progress. |
| 13 | Setback | When setback operation is enabled and the card key is removed (when no one is present). (*2) |
| 14 | Purging | In night purge progress. |
| 15 | Setback aborted | Setback is aborted. |
| 16 | Motion sensor ON | Indicates capacity savings by motion sensor control during operation or stop. |
| 17 | Radiant sensor | In order to efficiently heat the room when the radiant temperature is low, the air flow direction and speed are automatically controlled. |
| 18 | Cold draft restrained | To prevent a too low air outlet temperature from indoor unit. |
| 19 | Noise reduction | The operation noise reduction control of the outdoor unit is set. |
| 20 | FrostWash is complete | Indicates the FrostWash is performed. |
| 21 | Indoor unit temperature over range, FrostWash stopped | If the indoor temperature is out of the range of 15°C to 30°C, no FrostWash is performed and the cancellation is displayed. |
| 22 | Outdoor unit temperature over range, FrostWash stopped | If the outdoor temperature is out of the range of 1°C to 43°C, no FrostWash is performed and the cancellation is displayed. |
| 23 | Power savings<br>Power savings: Low<br>Power Savings: Med<br>Power savings: High | Either the outdoor capacity control, indoor rotation control, or intermittent operation control is set. |
| 24 | External saving | Outdoor capacity control is set on the central controller or outdoor unit.<br>It does not light when the indoor rotation control or intermittent operation control of the remote controller is set. |

| No. | Icon | Description |
|---|---|---|
| 25 | Main | This is the main remote controller setting.<br>Use the main remote controller to set the main power savings setting.<br>In the case of a single unit, this information is not displayed. |
| 26 | Sub | Sub remote controller is set. Except for some power savings functions, the sub remote controller cannot be set to save power. |
| 27 | ! Sub | There is no main remote controller.<br>Controls related to power savings and operation noise reduction may not operate normally. |
| 28 | Quick | The operation is in quick mode. |
| 29 | Other remote are in Cool/Heat setting | When the operation mode set from the remote controller and the operation mode of the outdoor unit is different, the indicator blinks.<br>Indicator blinks when "cooling" is set from the remote controller and when the operation mode of the outdoor unit is "heating". |
| 30 | Emergency Heating →<br>Alarm Code: ** | Emergency Heating Control is in progress.<br>** indicates the alarm code. |
| 31 | Automatic cleaning unit<br>Mechanic error<br>Check the unit | Indicates an error related to the automatic filter cleaning unit. |
| 32 | Cleaning filter | The filter is being automatically cleaned. |
| 33 | Check | Indicates an abnormality in the heat storage unit. |
| 34 | Preheating | The compressor cannot be operated because it is preheating. |
| 35 | Hot start | Preparing for heating operation. |
| 36 | Defrost | During the defrosting operation, the defrosting light turns on and the indoor fan stops.<br>When the operation is stopped during the defrosting operation, the operation light or the run indicator goes out, but the operation continues and stops after the defrosting is completed. |
| 37 | Heat storage | It cannot be operated due to the heat storage operation time. |
| 38 | Dust collection **-** | It is time to collect dust in the dust box of the automatic filter cleaning unit.<br>**-** indicates the unit to be collected. |
| 39 | Central control | Displayed when using the central controller. Remote controller operation is restricted. |
| 40 | Time to OFF (hour) | The remaining time of the off timer when the hotel mode is displayed. |
| 41 | Priority | Displayed on the main remote controller only in the operation mode or when there is a setting priority for the operation mode and the set temperature.<br>At this time, the operation limit lights up on the sub remote controller, and the operation mode and temperature setting change on the sub remote controller are restricted. |
| 42 | Restriction | Displayed on the sub remote controller only when the operation mode or the operation mode and set temperature setting priority is given. |

**NOTE**

- *(*1): It depends on the settings of the remote controller.*
- *(*2): The default setting is cooling: set temperature +2.5°C, heating: set temperature -2.5°C.*
- *If you want to change the correction value for this setback operation, please contact the distributor for more detailed information.*

# 5 FUNCTION MENU

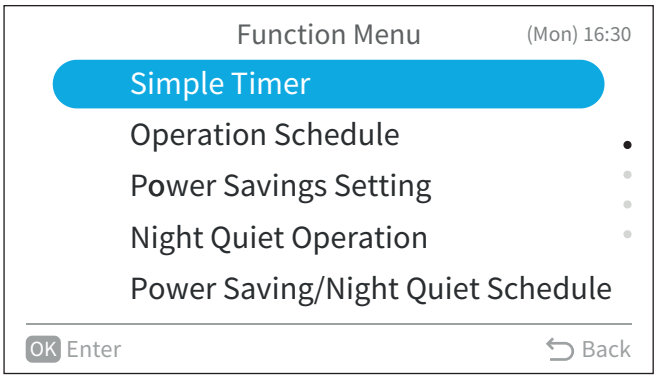
**NOTE**

- *Some functions cannot be set depending on the type, configuration, and usage status of the indoor unit.*
- *If a function with "⃠" is displayed, it means the function is not supported and the setting is disabled.*
- *For the "Filter Cleaning" function menu display, please refer to the Operation Manual of the indoor unit.*

### Display the function menu

1 Select the “Function Menu” and press “OK”. The “Function Menu” screen is displayed.

2 Press “^” or “v” to select the item to set and press “OK”. Press “⮌” to return to the “Menu” screen.




If the "Menu screen" remains unchanged for approximately 10 minutes, the screen returns to the home screen.

Various settings are retained even when the power is turned off.

## 5.1 SIMPLE TIMER SETTING

This function is used to start or stop the unit operation at the set time.

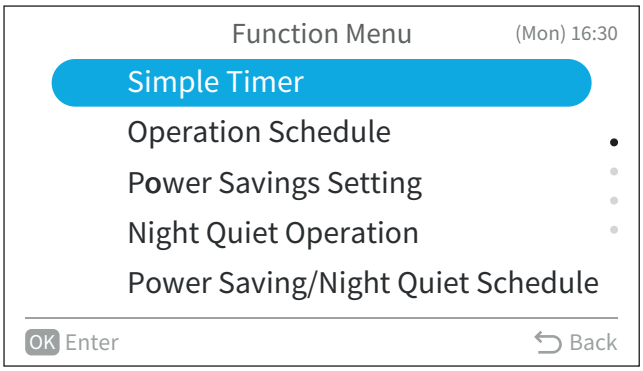
The timer operation contents can be set from "Not Used", "Once" or "Everyday".

**NOTE**

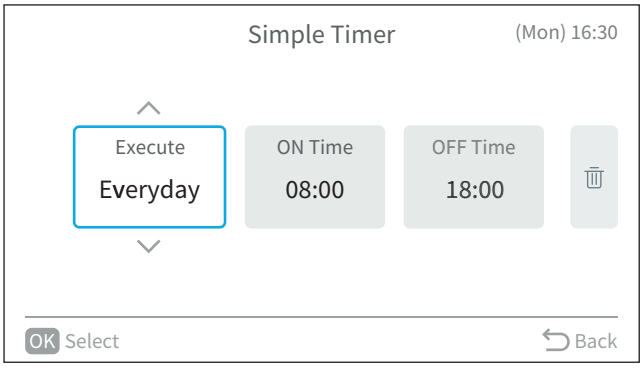
- *If "Once" on the timer operation setting is selected, the setting content changes automatically to "Not Used" after one timer operation.*
- *Do not set the same time for both ON/OFF timers.*
- *Scheduled operation (stop) is not possible while the remote control is prohibited.*
- *When*  *is displayed, scheduled operation (stop) is not available.*
- *Refer to “7.1 Adjusting date / time” to set the date and time.*

### Set the simple timer

1 Select “Simple Timer” on the “Function Menu” screen and press “OK”.
When the current time has not been set yet, the “Adjusting Date/Time” setting screen is displayed.

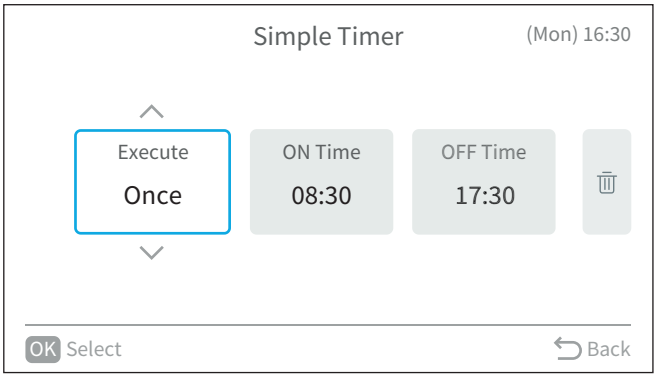



2 Press “<” or “>” to select the setting item:
“Execute” ↔ “ON Time” ↔ “OFF Time” ↔ “🗑”.

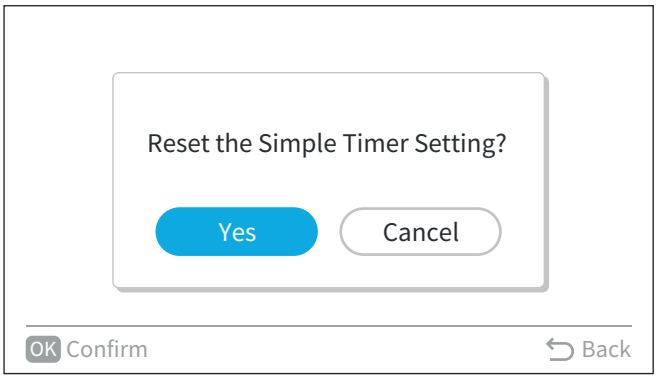


3 Press “^” or “v” to set each setting data for the selected items.
After setting, press “⮌” to confirm the settings and the screen returns to the “Function Menu” screen.

- When "Execute" is selected, press “^” or “v” to switch the setting items as follows: “Not Used” ↔ “Once” ↔ “Everyday”.




- When “ON Time” or “OFF Time” is selected, the setting time can be adjusted in 30-minute increments by pressing “^” or “v”. If you press and hold “^” or “v”, the number will increase or decrease continuously.
- When “🗑” is selected, if you select "OK", the confirmation screen is displayed. Select “Yes” and press “OK” to reset the “Simple Timer” setting and the screen returns to Step2.
If you select “Cancel”, the screen still returns to Step2.

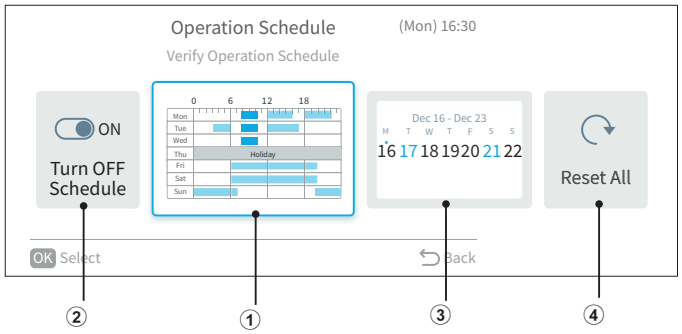



## 5.2 OPERATION SCHEDULE SETTING

This function is used to start or stop the unit operation at the set time.

The temperature can be set during operation.

The operation schedule can be set up to 5 times a day on each day of the week.




① Schedule day and time setting *“5.2.1 Schedule Day and Time Setting”*

The desired time and temperature can be set.

Up to 5 schedules per day can be set.

② Schedule turn ON / OFF setting *“5.2.2 Schedule Turn ON/OFF Setting”*

This function temporarily prevents the schedule from running.

Schedule operation is not performed while the schedule is disabled.

This setting is normally applied during long vacation.

③ Schedule holiday setting *“5.2.3 Schedule Holiday Setting”*

Holidays can be set one week in advance.

On the days set as holidays, scheduled operation is not performed for only one day.

It is used when there are irregular off days such as holidays.

④ Reset setting *“5.2.4 Reset the setting”*

The schedule day / time setting and holiday setting are deleted.

### 5.2.1 Schedule Day and Time Setting

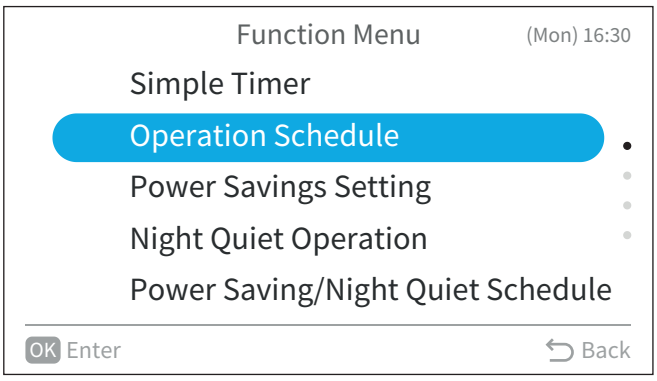
**NOTE**

- *Scheduled operation (stop) is not possible when the remote control is prohibited.*
- *When*  *is displayed, scheduled operation (stop) is not available.*
- *Refer to "7.1 Adjusting date / time" to set the date and time.*

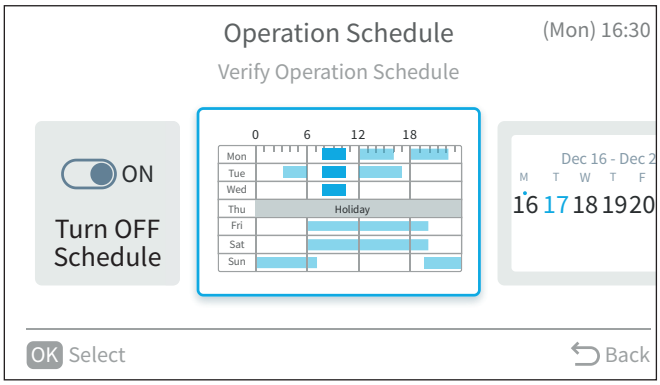
**Set schedule day and time**

**1** Select "Operation Schedule" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

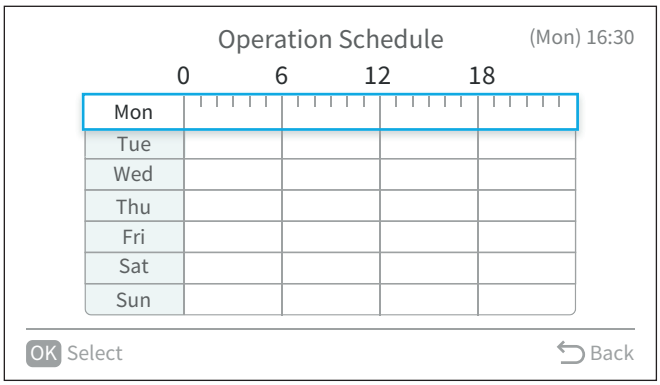



**2** Press "<" or ">" to select "Verify Operation Schedule", and then press "OK".



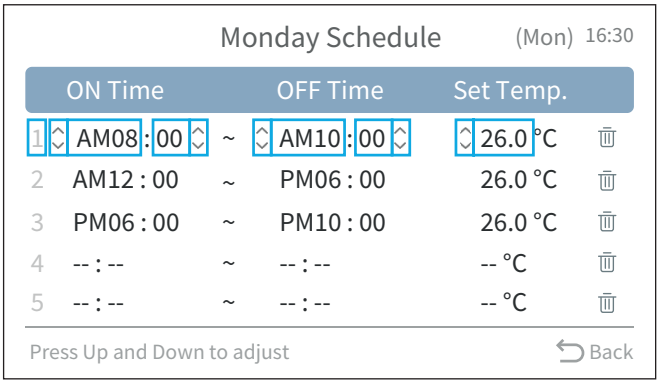

**3** Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

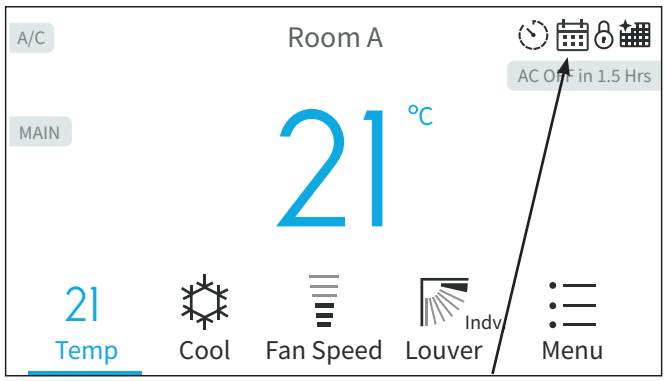
- ■ (run) and □ (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press "<" and "OK" simultaneously.




**4** Press"^" or "v" to select schedule timer No.1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Set Temp."↔ " 🗑 ". By pressing "^" or "v", "ON / OFF Time" and "Set Temp." can be set.

- Press and hold "^" or "v" to increase or decrease easily.
- 5 different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select " 🗑 " and press "OK" to delete the settings of "ON / OFF Time" and "Set Temp".
- Press "⮌" to return to Step3.



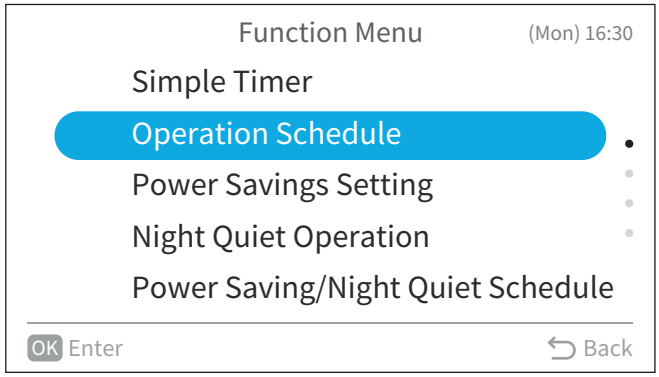




The icon displayed indicates that the schedule control is set and activated.

### 5.2.2 Schedule Turn ON/OFF Setting

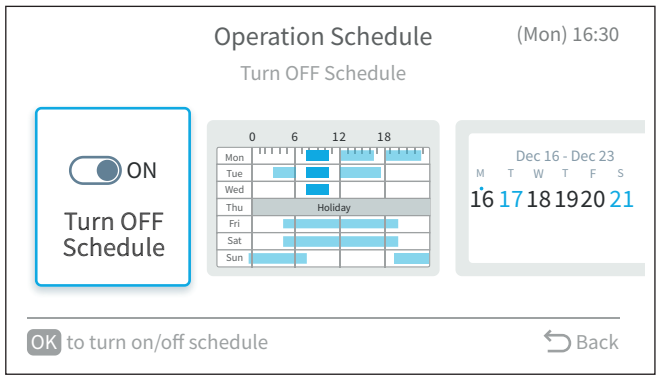
1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.



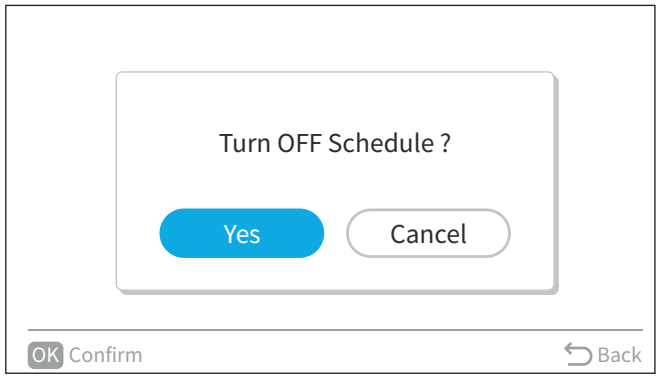

2 Press “<” or “>” to select “Turn ON/OFF Schedule”, and then press “OK”.

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.




3 Select "Yes" by pressing “<” or “>”and then press "OK".

- Confirm the schedule enable/disable setting and return to Step2.
- The display turns on when the schedule is ON.
- The display turns off when the schedule is OFF.



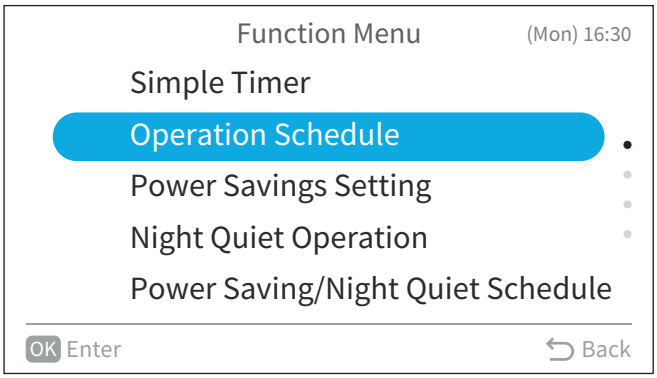

### 5.2.3 Schedule Holiday Setting

**NOTE**

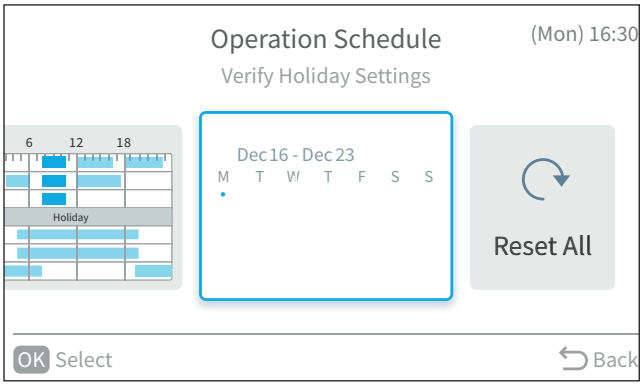
*For holiday setting, the schedule setting indicator turns off.*

1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

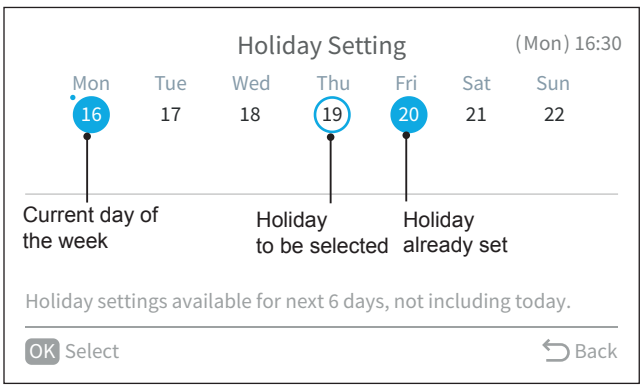



2 Press “<” or “>” to select “Verify Holiday Settings”, and then press “OK”.




3 Select the day of the week (from Mon. to Sun.) to set as a holiday by pressing “^” “v” “<” or “>”.
Press “OK” to select “Holiday setting” or “Cancel”.
“•” indicates the current day of the week.
“O” indicates the holiday to be selected.
“●” indicates the holiday already set.

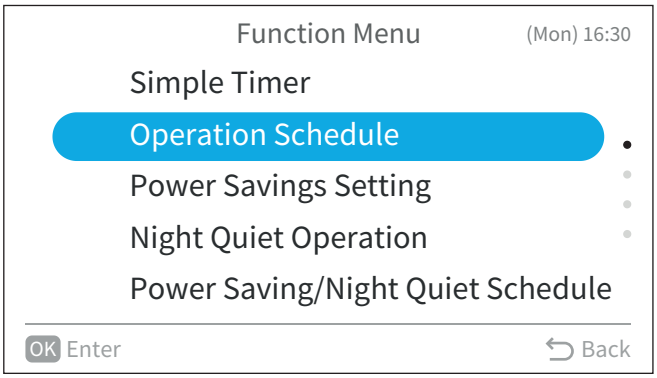
Press “⮌” to confirm the setting and return to Step2.



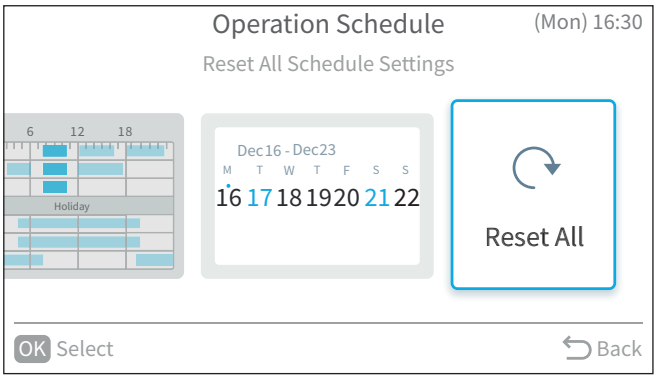
### 5.2.4 Reset the setting

1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

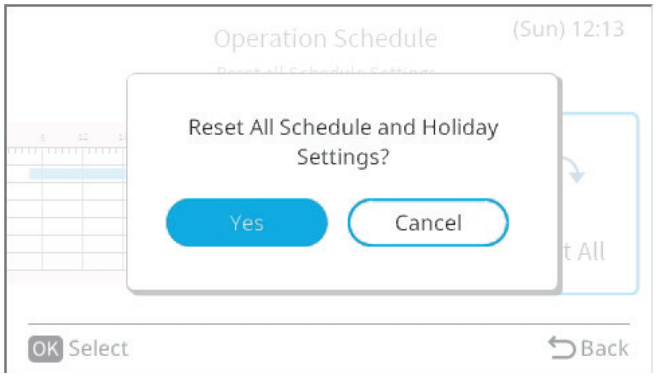
- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- This menu to reset the schedules is available only if some settings have been done.




2 Press “<” or “>” to select “Reset All” and then press “OK”.




3 Select "Yes" by pressing “<” or “>”and then press "OK". All schedule and holiday settings are reset and the screen returns to the Step3 of *“5.2.1 Schedule Day and Time Setting”*.




## 5.3 POWER SAVINGS SETTING

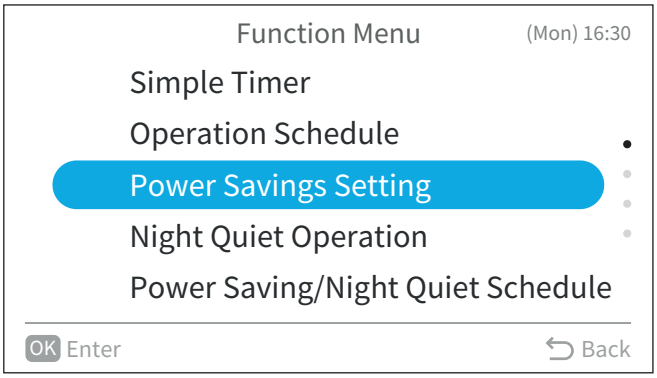
| No. | Item | Description |
|---|---|---|
| ① | Capacity Control | Limits the heating and cooling capacity of the outdoor unit in order to reduce the running current of the system to match with the capacity control setting.<br>Set control mode and power savings level with its corresponding value. |
| ② | Rotation Control | Interlock with indoor units of the same outdoor unit system and switch to FAN operation in sequence.<br>Set control mode and fan mode time. |
| ③ | Intermittent Control | Cooling/heating mode and fan mode are repeated at regular intervals.<br>Set power savings level. |
| ④ | No Setting | Power savings operation is not performed. |

**NOTE**

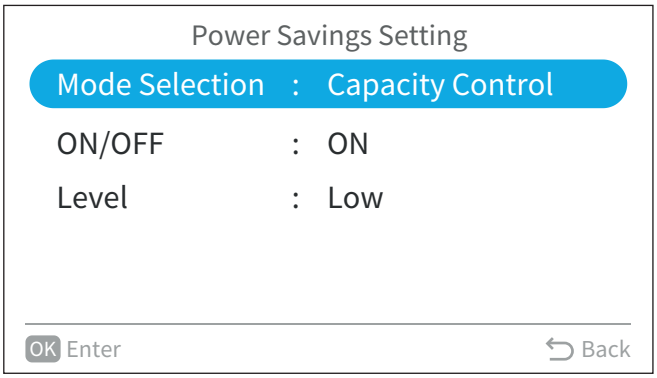
- *For detailed capacity control settings information refer to “6.2.4 Power Saving Details Setting” in this manual.*
- *The power savings mode that can be switched differs depending on the type of the outdoor unit or indoor unit.*
- *The power savings modes that can be switched according to the "Main / Sub" display are as follows.*
  - *Main — the power savings mode can be switched from ① to ④.*
  - *Sub — the power savings mode cannot be switched. The power savings mode of the sub synchronizes with that of the main remote controller of the same outdoor unit system.*
- *When the power savings mode is "Indoor rotation control", the power savings level cannot be changed.*
- *When the power savings mode is "No Setting", the power savings ON / OFF and power savings level cannot be changed.*
- *When the power savings mode is "Outdoor capacity control" and sub, the power savings ON / OFF and power savings level cannot be changed.*
- *When the power savings mode is switched, power savings ON / OFF is set to OFF.*
- *When using the power savings function, the cooling and heating capacity may decrease.*
- *Detailed settings can be changed from the power saving details setting.*

### 5.3.1 Power Savings Mode Setting

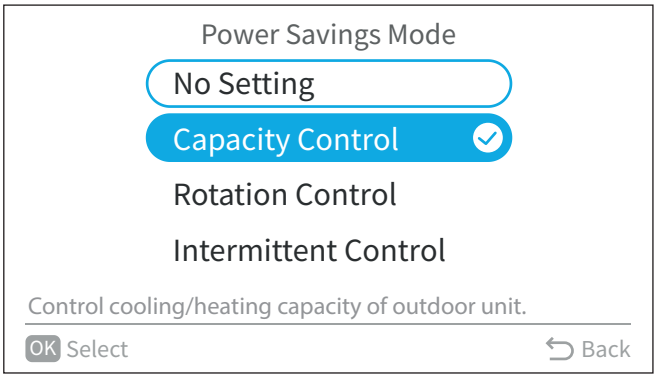
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.




2 Press “^” or “v” to select the “Mode Selection” and press “OK”.

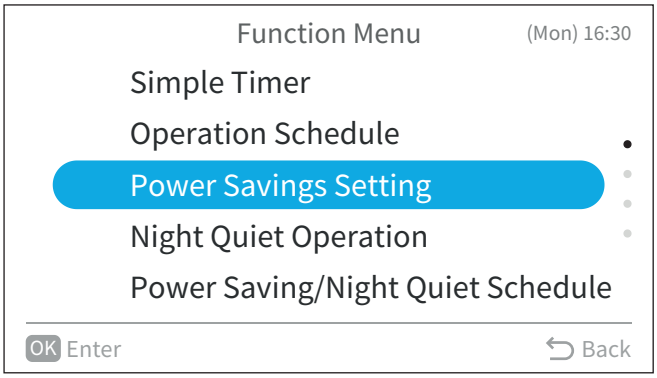



3 Press “^” or “v”, the item changes as follows:
"No Setting" ↔ "Capacity Control" ↔ "Rotation Control" ↔ "Intermittent Control".
Select the power savings mode and press "OK" to confirm the setting.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.

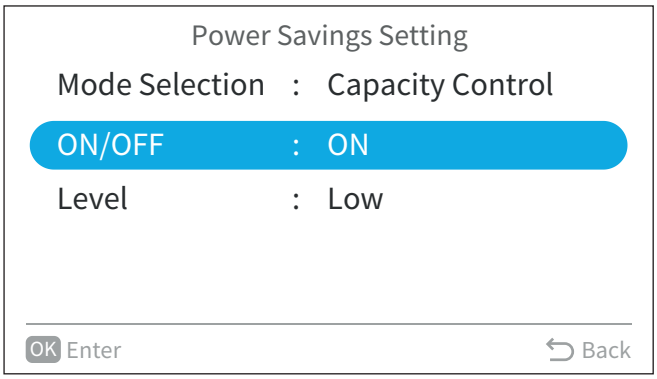



### 5.3.2 Power Savings ON/OFF Setting

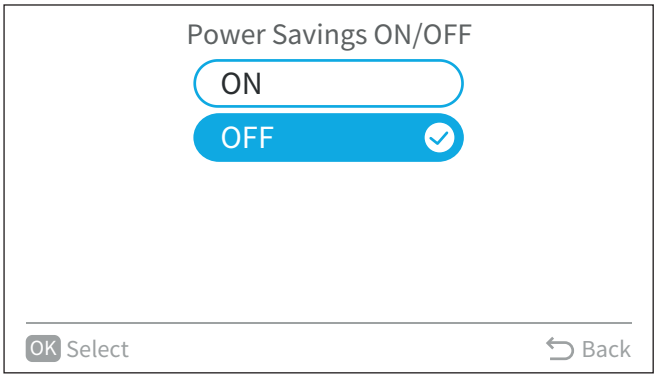
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.

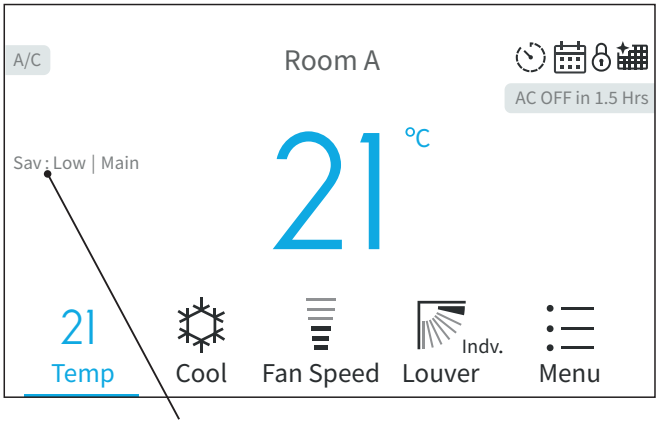



2 Press “^” or “v” to select the “ON/OFF”and press “OK”.




3 Press “^” or “v” to select the “ON”and press “OK”.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.

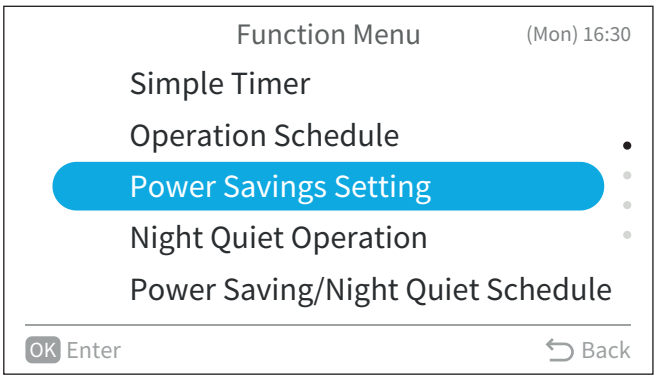


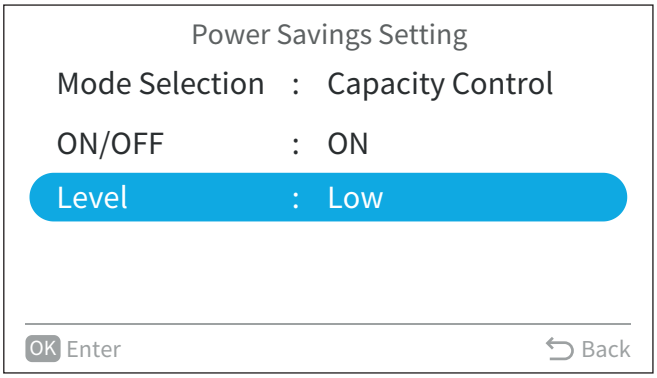

When power savings is ON, power savings level is displayed to indicate the power savings setting.

### 5.3.3 Power Savings Level Setting

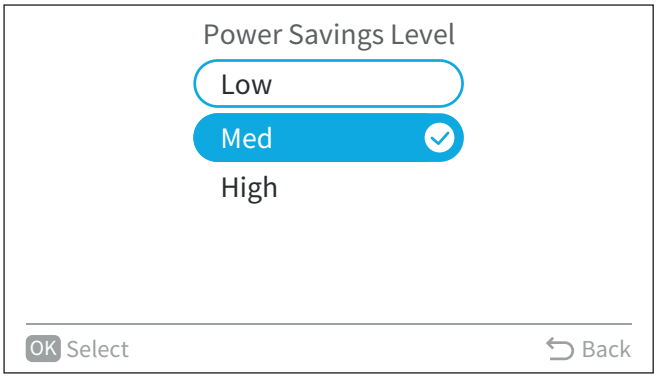
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.




2 Press “^” or “v” to select the “Level”and press “OK”.




3 Press “^” or “v”, the power savings level changes as follows: “LOW” ↔ “MED” ↔ “HIGH”.
Select the level and press “OK”.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.
You may not be able to select from the settings in the power saving details setting.




## 5.4 NIGHT QUIET OPERATION

This function restricts the operation noise of the outdoor unit.

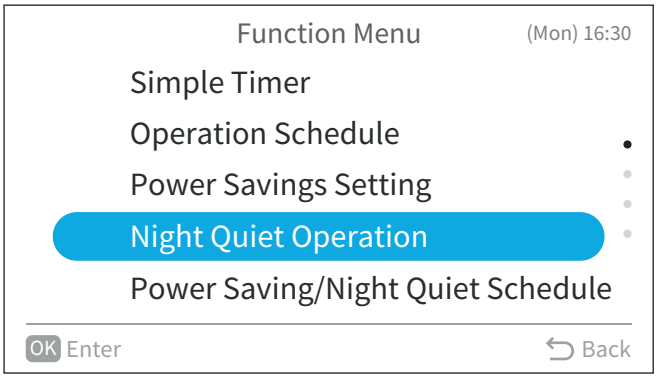
**NOTE**

- *This cannot be set if the sub remote controller or outdoor unit does not support power savings.*
- *It is possible to change the operation noise reduction function setting of the outdoor unit by making the following operation noise reduction settings.*

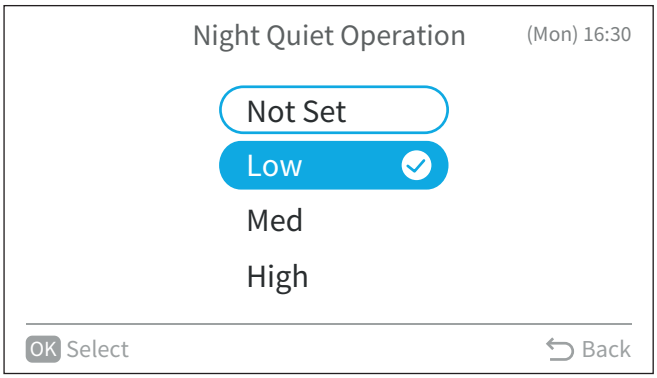
| Remote Controller Setting | Outdoor Unit Setting Name |
|---|---|
| Not Set | No Setting |
| Low | Setting 1 |
| Med | Setting 2 |
| High | Setting 3 |

  - *For the amount of reduction, please contact related local distributor.*
- *When using the operation noise reduction setting, the cooling / heating capacity can be decreased.*

1 Select “Night Quiet Operation” on the “Function Menu” screen and press “OK”.



2 Press "^" or "v", the level changes as follows:
"Not Set" ↔ "LOW" ↔ "MED" ↔ "HIGH".
Select the level and press "OK".
Press "↩", the screen returns to the "Function Menu" screen.

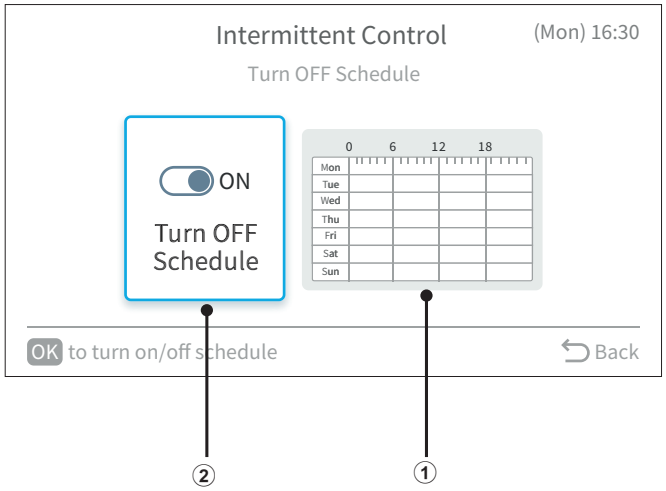



## 5.5 POWER SAVING/NIGHT QUIET SCHEDULE SETTING

This function starts and stops power savings control and operation noise reduction control at the desired time.

Power saving/night quiet schedule settings can be set up to five times a day on each day of the week.

The power savings schedule controls the schedule set in the power savings mode setting.




① Schedule day and time setting *"5.5.1 Schedule Day and Time Setting"*

To set the desired time and level.

To set up five times a day on each day.

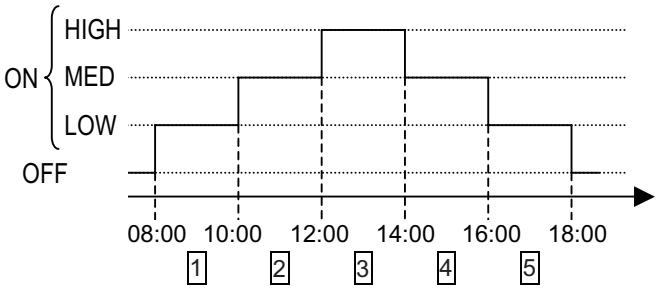
② Schedule turn ON / OFF setting *"5.5.2 Schedule Turn ON/OFF Setting"*

Schedule operation is not performed while the schedule is disabled. This is a function that temporarily prevents the schedule from running. It is used when there is a long vacation.

**NOTE**

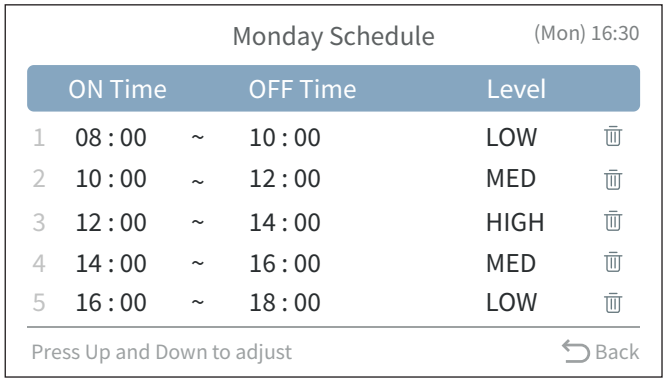
- *When managing multiple patterns of schedules on the same day as in following examples, don't set overlapped times zone.*
- *If the schedule times zones overlap as in example 2, the schedule will be cancelled at the first off time (14:00 in the case of the example 2).*

**Example of power saving operation and schedule setting**

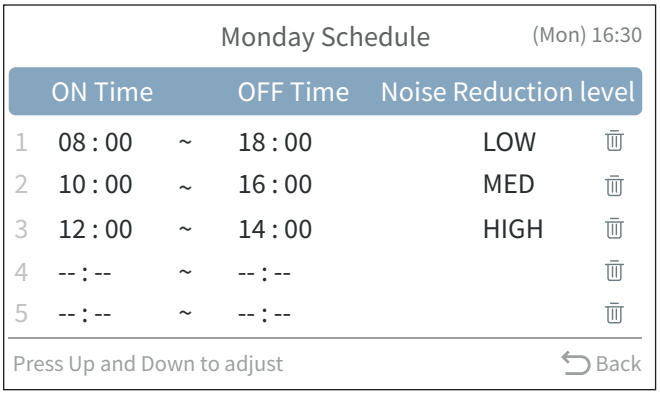



**Example of power saving and night quiet schedule operation**

Example 1




Example 2



### 5.5.1 Schedule Day and Time Setting

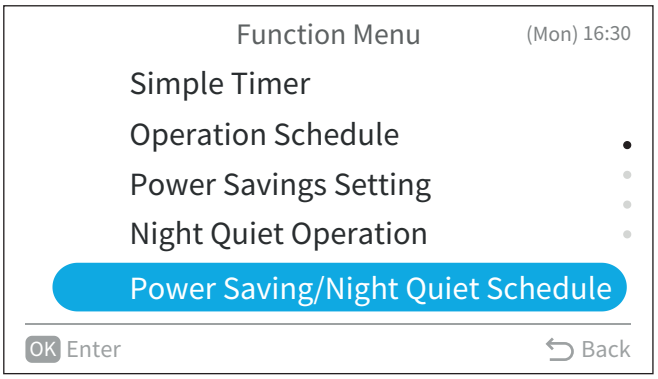
**NOTE**

*indicates that schedule control is not possible. Refer to "7.1 Adjusting date / time" to set the date and time.*

**Set the schedule day and time**

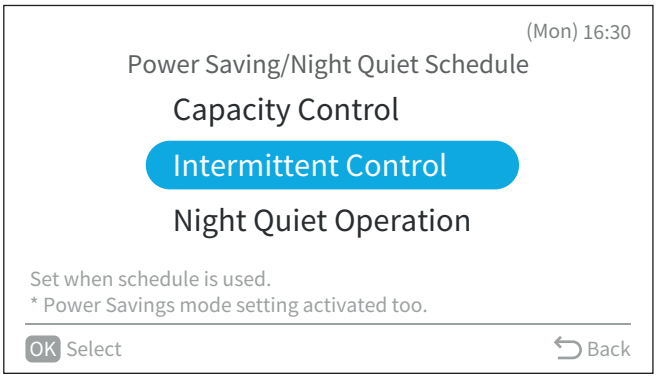
**1** Select "Power Saving/Night Quiet Schedule" on the "Function Menu" screen and press "OK".

- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent control (Step3) is displayed.

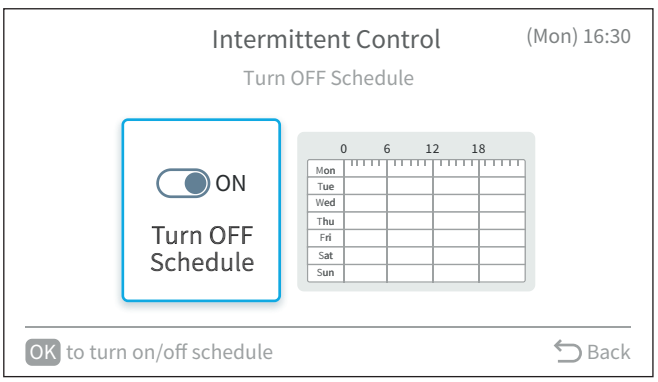



**2** Press "^" or "v" to select the setting items, and then press "OK". The items are changed as follows:
"Capacity Control" ↔ "Intermittent" ↔ "Night Quiet Operation".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step4 is displayed.

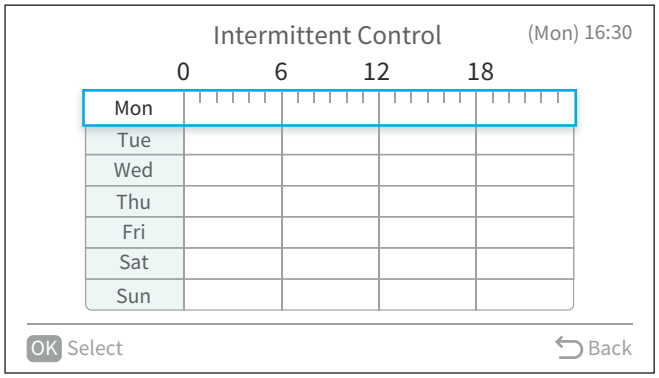



**3** Press "<" or ">" to select the schedule day and time settings, and then press "OK".

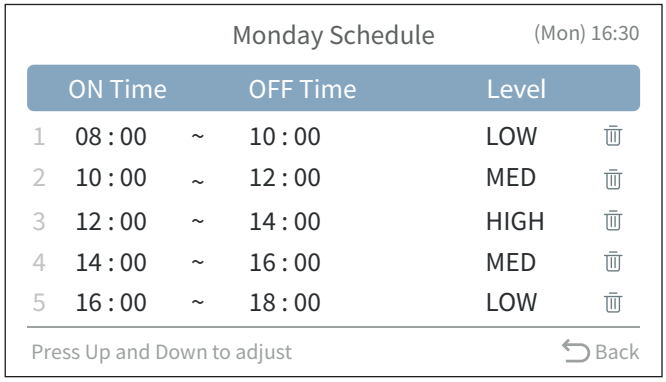



**4** Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

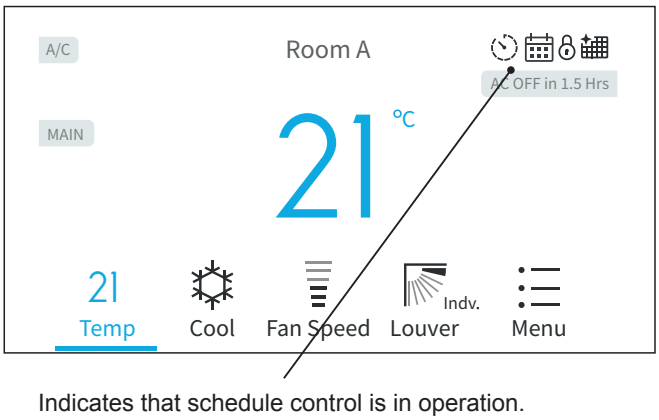
- ■ (run) and □ (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press "<" and "OK" simultaneously.




**5** Press"^" or "v" to select schedule timer No. 1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Noise Reduction"↔ "🗑". By pressing "^" or "v", "ON / OFF Time" and "Noise Reduction" can be set.




- Press and hold "^" or "v" to increase or decrease continuously.
- Five different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select "🗑" and press "OK" to delete the setting of "ON / OFF Time" and "Noise Reduction".
- Press "↩" to return to Step4.

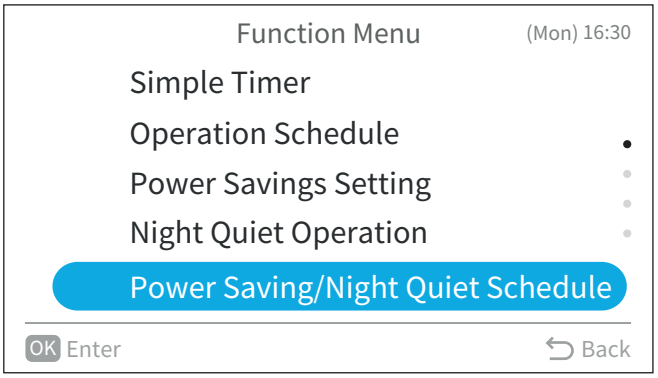



Indicates that schedule control is in operation.

### 5.5.2 Schedule Turn ON/OFF Setting

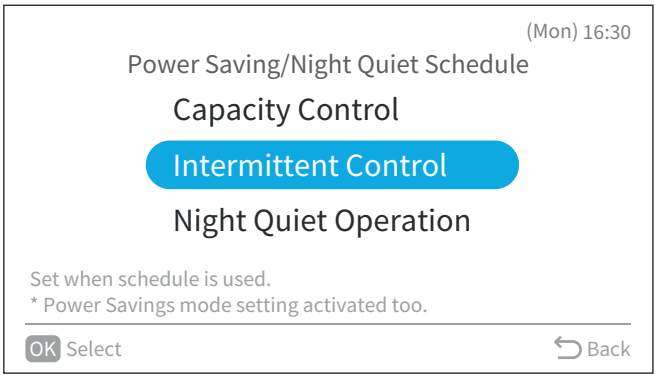
1 Select “Power Saving/Night Quiet Schedule” on the “Function Menu” screen and press “OK”.

- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent operation control (Step3) is displayed.



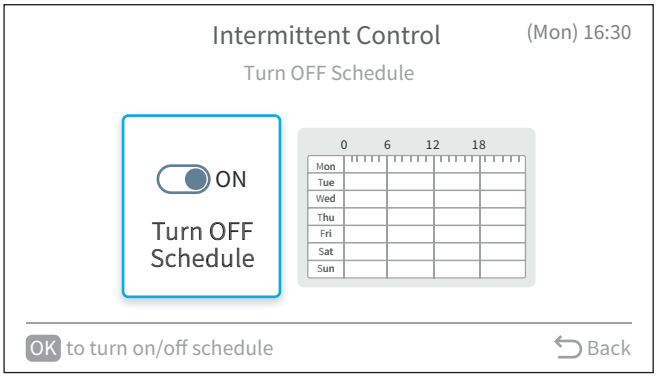

2 Press “^” or “v” to select the setting items, and then press “OK”, the items are changed as follows:
"Capacity Control" ↔"Intermittent Control" ↔ "Night Quiet Operation".

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step4 of *“5.5.1 Schedule Day and Time Setting”* is displayed.

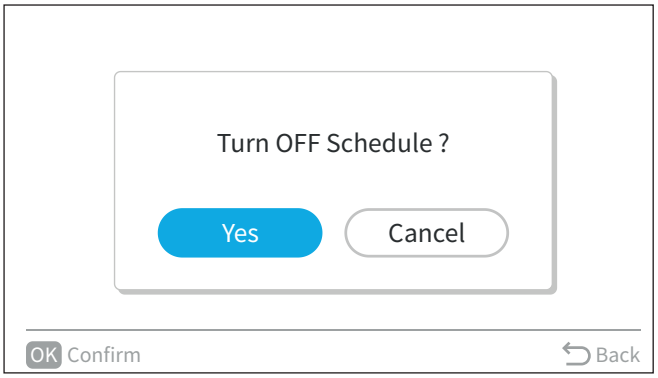



3 Press “<” or “>” to select “Turn ON/OFF Schedule, and then press “OK”.

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.




4 Press”^” or “v” to select “Yes” and then Press “OK”. Confirm the schedule ON/OFF, and the screen returns to Step3.



## 5.6 POWER CONSUMPTION DISPLAY

This function displays the power consumption of the outdoor unit compressor.

The value of each displayed in Graph/List format is 1 day (24h (- every 2 hrs.)), 1 week (7 days), and 1 year (12 months).

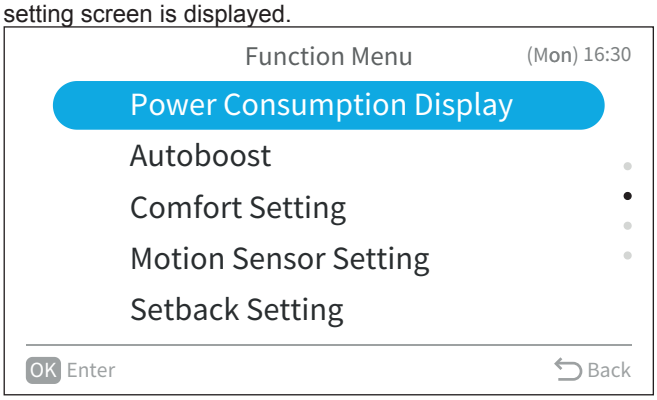
**NOTE**

- *The numerical value is a reference. Do not use this unit for the following: calculation of power rates, examination of the power contract, or calculation of greenhouse gas emissions.*
- *This cannot be set if the power savings function is not supported.*
- *In following instances, the calculated value may be a deficit or may be changed.*
  - *Power Failure (outdoor unit, indoor unit, wired controller)*
  - *Communication Failure (outdoor unit ↔ indoor unit ↔ wired controller)*
  - *Modification of time*
- *indicates that schedule control is not possible. Refer to "7.1 Adjusting date / time" to set the date and time.*

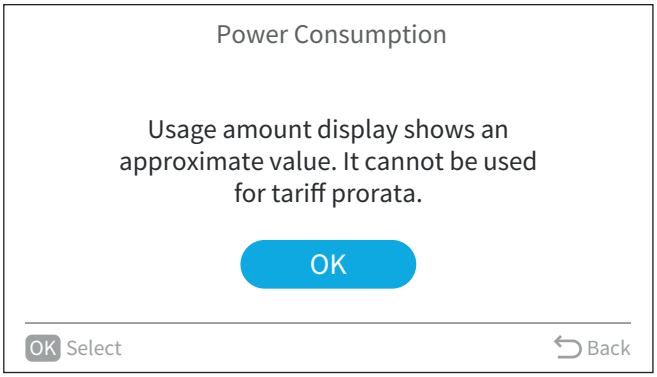
### Set power consumption display

**1** Select “Power Consumption Display” on the “Function Menu” screen and press “OK”.

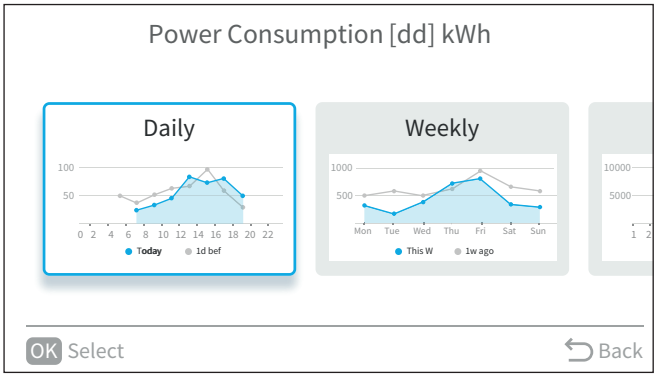
- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.

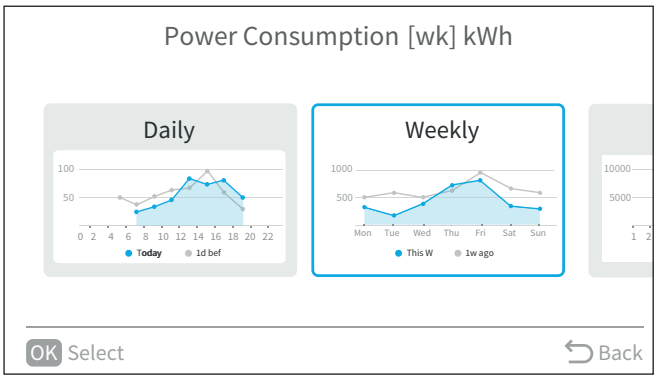


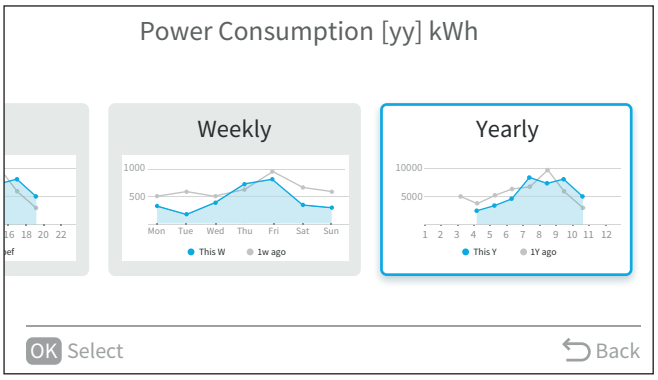

**2** Press “OK”.



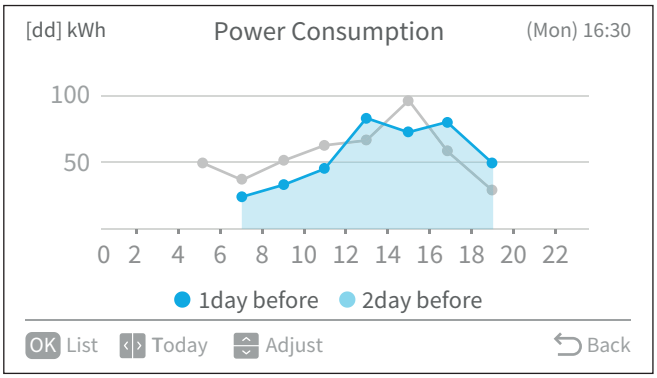

**3** Press “〈” or “〉” to select the display period, and then press “OK”.
It switches in the order of 1 day (24 hours) ↔ 1 week (7 days) ↔ 1 year (12 months).

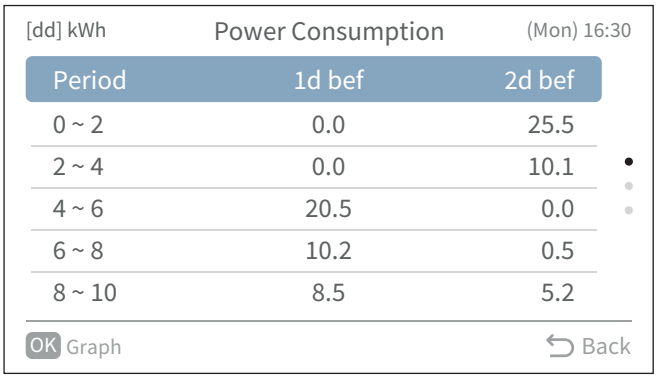



- Comparison
  Press “〈” or “〉” to switch the comparison target for the display period.
  2 days before / 1 day before ↔ 1 day before / Today
  2 week ago / 1 week ago↔ 1 week ago / This week
  2 years ago / 1 year ago ↔ 1 year ago / This year
- Display scale
  Press “∧” or “∨” to switch the display scale.
- Graph ↔ List display
  Press "OK" to switch between the graph and list display of the power consumption display.
- Press “⮌” to return to the display period selection screen.




## 5.7 AUTOBOOST (QUICK MODE) SETTING

AUTOBOOST is the commercial name of the “Quick mode” function.

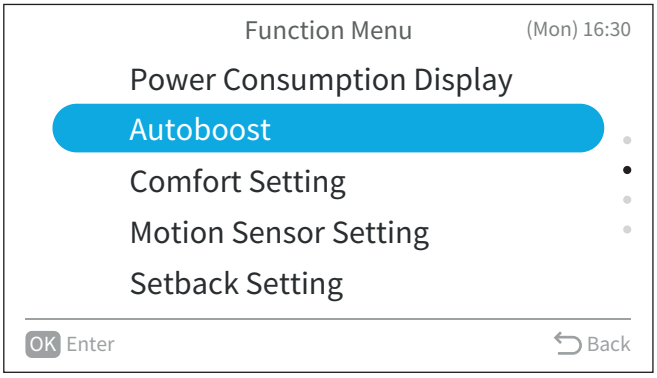
This function increases the cooling or the heating capacity for 30 minutes since the beginning of operation, in order to reach the setting temperature in the room as quickly as possible. It is only available when the operation mode is cooling or heating. This function makes operation begin with “Autoboost” option every time ON operation is set, until this function is deactivated (Autoboost setting = “Not Set”).

**NOTE**

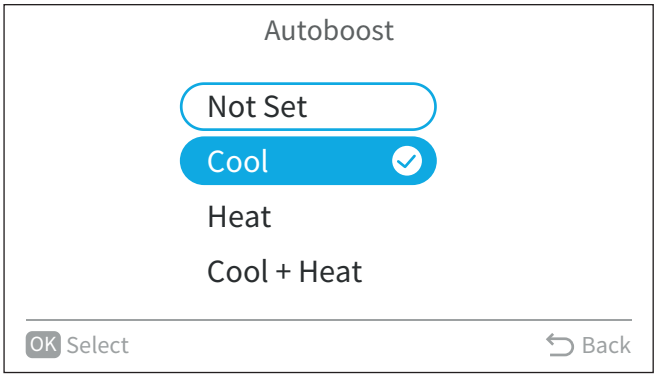
- *Autoboost cannot be set when the outdoor unit does not support this function.*
- *Autoboost cannot be used if Power Savings is not supported.*
- *When quick function is activated while mode is "Cool", fan speed changes and is locked as "Auto" for 30 minutes at the longest regardless of the current setting. While in this operation (fan speed "Auto"), fan level may drop as low as "Low" when the room temperature gets close to the setting temperature. The operation starts regardless of the fan speed.*

### Set the autoboost

1 Select “Autoboost” on the “Function Menu” screen and press “OK”.

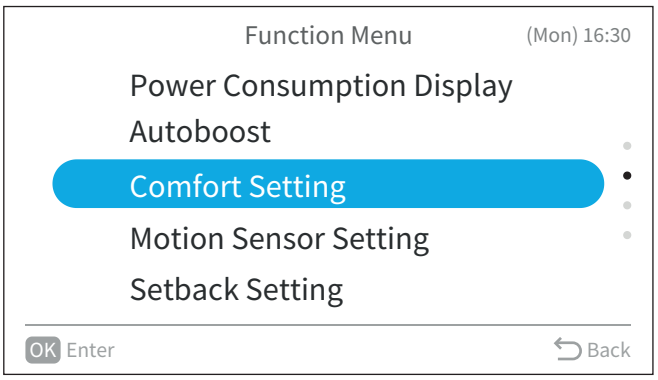



2 Press “^” or “v” the selected items changes as follows: “Not Set” ↔ “COOL” ↔ “HEAT” ↔ “Cool + Heat”.
Select the Autoboost mode and press “OK” to confirm the settings.
Press “⮌” to return to the “Function Menu” screen.



## 5.8 COMFORT SETTING

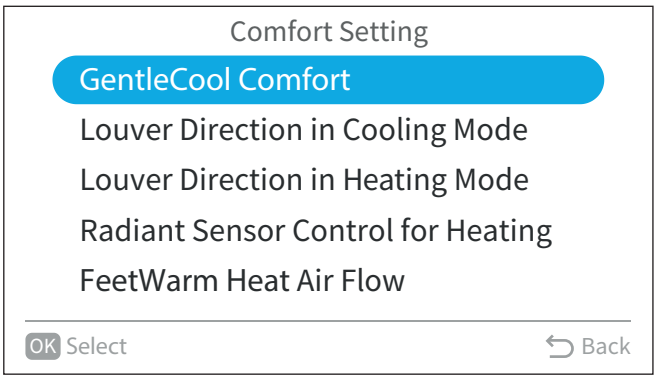
1 In order to access the Comfort settings menu, select "Comfort Setting" on the "Function Menu" screen and press "OK".



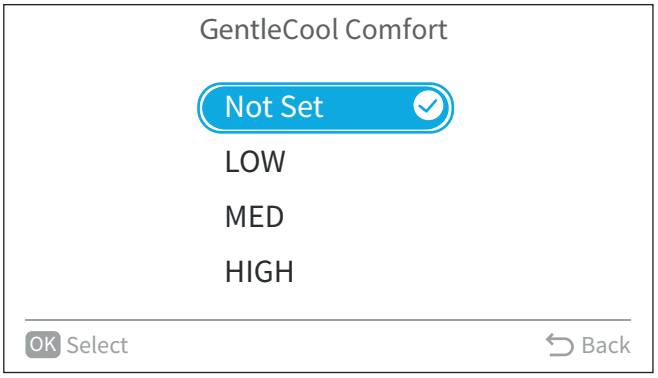

### 5.8.1 GentleCool

This function, is used to control discharge air temperature when system is operating in the cooling mode.

1 Once in the Comfort setting menu, press "^" or "v" to select "Cool Air Comfort Level", and then press "OK".




2 Press "^" or "v", the selected comfort level changes as follows:
"Not Set" ↔ "LOW" ↔ "MED" ↔ "HIGH".
Select the "Cool Air Comfort Level" during cooling and press "OK".
Press one "⮌" to return to the "Comfort Setting" screen.




**NOTE**

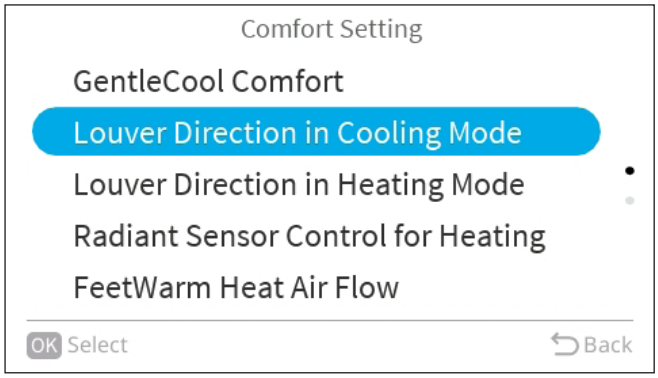
- *This function cannot be set when the indoor unit does not support this function.*
- *According to the selected setting between LOW/MED/HIGH, the system will apply a determined air outlet target temperature value in order to prevent air flow from being too cold.*
  *LOW: 12ºC / MED: 14 ºC / HIGH: 16 ºC*
- *The effect may not be sufficient if two or more units are operating in the room, which the air may be "cold".*
- *When this function is set, it may take time for the entire room to cool down.*

### 5.8.2 Louver direction in cooling/heating mode

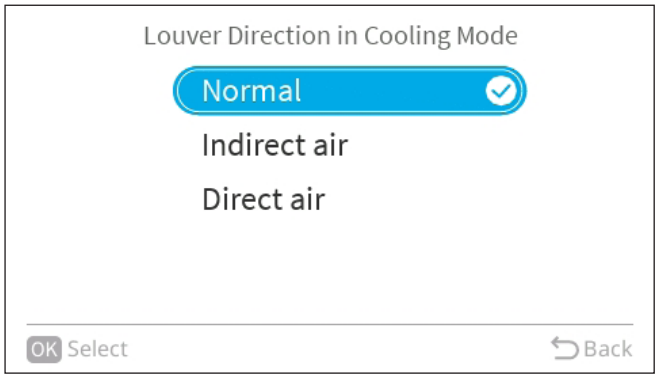
Louver direction setting (in cooling mode or in heating mode), that is available only for the latest RCI-FSR using the motion sensor installed in the panel P-AP160NAE2, is used to control the air flow of the room. Setting procedure is the same for both modes.

This function is available only for the RCI-FSR indoor units (4 way cassette units), equipped with the motion and radiation sensor installed in the panel P-AP160NAE2. According to the setting chosen by the user (indirect or direct air), the indoor unit will adapt the operation of the air louvers to avoid blowing air directly on the users or it will target directly the users for a fresh air effect.

1 Once in the Comfort setting menu, press "^" or "v" to select "Louver Direction in Cooling Mode", and then press "OK".



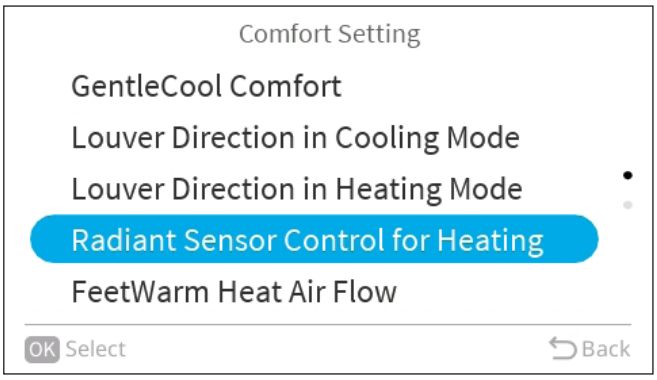

2 Press "^" or "v", the louver direction setting changes as follows:
"Normal" ↔ "Indirect air" ↔ "Direct air"
Select the desired setting and press "OK".
Press once "⮌" to return to the "Comfort Setting" screen.



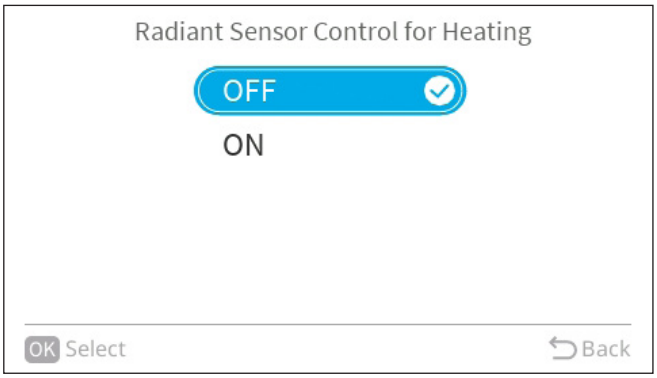
### 5.8.3 Radiant sensor control for heating

The radiant sensor detects the radiation temperature of humans or objects by measuring the level of infrared light they emit.

1 Once in the Comfort setting menu, press "^" or "v" to select "Radiant Sensor Control for Heating", and then press "OK".



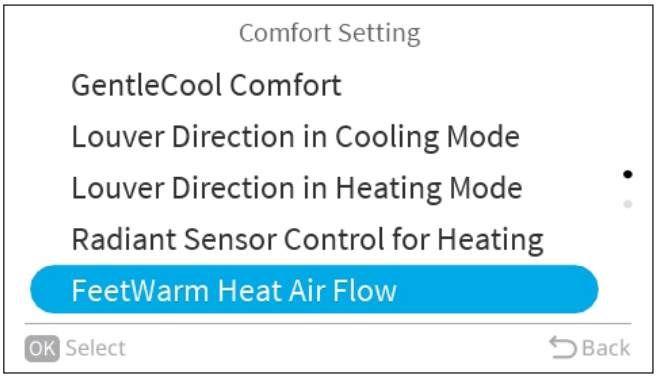

2 To activate the sensor, press "v" and then press "OK" in order to select "ON".
Press once "↩" to return to the "Comfort Setting" screen.



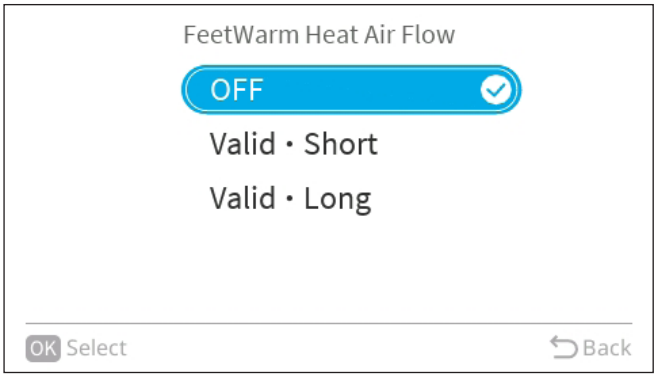

### 5.8.4 FeetWarm heat air flow

By activating the "FeetWarm Heat Air Flow" function, the ambient temperature near the feet of the users is increased and the room temperature unevenness is reduced.

1 Once in the Comfort setting menu, press "^" or "v" to select "FeetWarm Heat Air Flow", and then press "OK".




2 Press "^" or "v", the selected settings changes as follows:
"OFF"↔ "*Valid • Short*" ↔ "*Valid • Long*".
Select the desired setting and press "OK".
Press once "↩" to return to the "Comfort Setting" screen.




**NOTE**

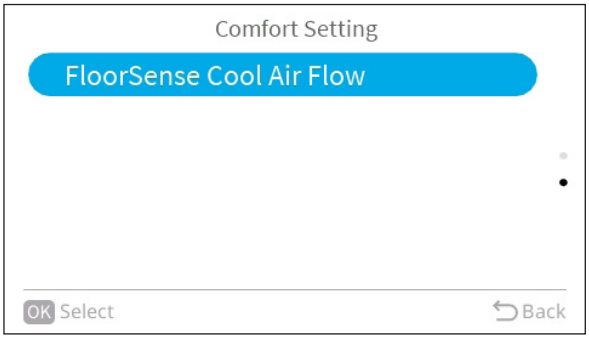
*Depending on the wired controller setting, the operation is performed at the following duration:*

- *"Valid ● Short" (this control operates for maximum of 40 minutes):*
  - *At Start-up operation: 15-30 minutes*
  - *At temperature unevenness suppression operation: 10 minutes*
- *"Valid ● Long" (this control operates for maximum of 80 minutes):*
  - *At Start-up operation: 15-60 minutes.*
  - *At temperature unevenness suppression operation: 20 minutes*

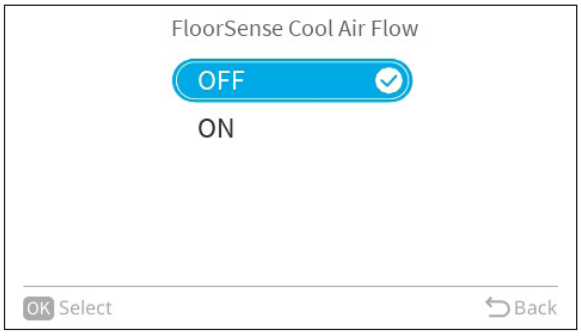
### 5.8.5 FloorSense cool air flow

Thanks to this function and to the motion & radiation sensor, the indoor units can detect a possible over cooling situation at the floor level, which may generate discomfort. The indoor unit can then adjust its behaviour, to reduce this over cooling effect and restore a more comfortable situation.

1 Once in the Comfort setting menu, press "^" or "v" to select "FloorSense Cool Air Flow", and then press "OK".




2 To activate the function, press "v" and then press "OK" in order to select "ON".
Press once "↩" to return to the "Comfort Setting" screen.



## 5.9 MOTION SENSOR SETTING

This function and its settings are available only for indoor units equipped with a motion sensor. The motion sensor can be integrated into the front panel of the unit or a separate accessory.

The motion sensor monitors human activity using infrared signals.

When the motion sensor is activated, Auto-Save and Crowd sense functions are enabled (for compatible units), allowing the system to run energy saving procedures, maintaining the comfort of the users.

Auto-Save function: the cooling or heating capacity of the system is reduced when a room is getting less occupied. When human activity is detected in the room, normal operation of the system can be resumed.

Crowd-Sense function (for compatible units only): the cooling or heating capacity of the system can be adjusted automatically according to the level of occupancy of the room, to avoid a room temperature increase when the area is crowded

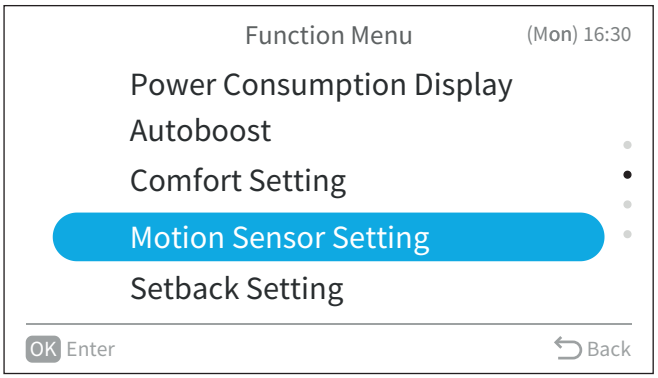
This function saves the air conditioning capacity (adjusting the set temperature, the air flow volume and the air flow direction) automatically depending on a situation.

**⚠ CAUTION**

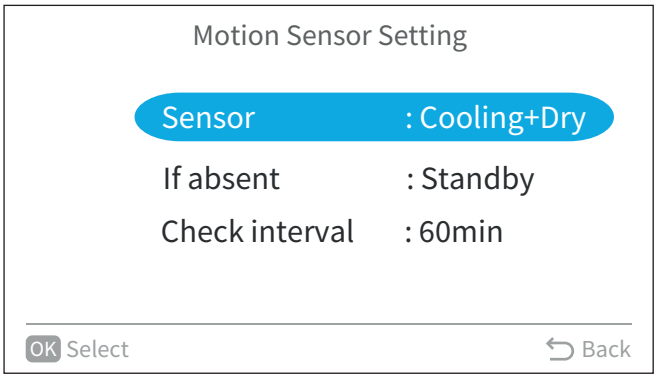
- *Do not use the motion sensor function when a baby or a handicapped person stays by oneself. The motion sensor may detect as absence and the operation may be stopped in the case of staying for long time with a bit motion.*
- *The motion sensor detects the human activity. However, if the level of activity in the room is too low (for example if someone is in a room with bit activity), the motion sensor may detect as absence.*
- *The motion sensor may detect as human activity any moving object generating a temperature difference with the room ambient temperature. Example: auto-swing operation of any heating system installed near the indoor unit equipped with the motion sensor.*
- *In the case that the indoor units are operated by 2 remote control switches, the motion sensor setting is available only from the main remote control switch.*
- *The indoor unit operation can be stopped by the motion sensor control.*
- *While the air conditioning capacity is saved or the operation is stopped by the motion sensor control, "Motion sensor is activated" is displayed on LCD.*
- *In case Auto-Save and Crowd-Sense functions are applied to indoor units that are managed by a Central Controller (CSNET Manager or Central Stations), the following limitations must be considered to avoid unexpected behaviour of the system:*
  - *Do not select "Stop • Detect" setting for the "If absent" mode when indoor units remote controller settings are locked by the Central Controller (partial lock or full remote controller lock).*
  - *More generally, it is recommended to use "ON" or "Standby" settings for the "If absent" mode when a Central Controller is used on the related VRF system.*
  - *These settings are recommended to avoid unexpected control of the indoor units, such as:*
    - *Indoor unit operation not stopped by the motion sensor control when the "If absent" sequence is engaged.*
    - *Indoor unit operation not resumed by the motion sensor control when human activity is detected.*

### 5.9.1 Motion sensor selection

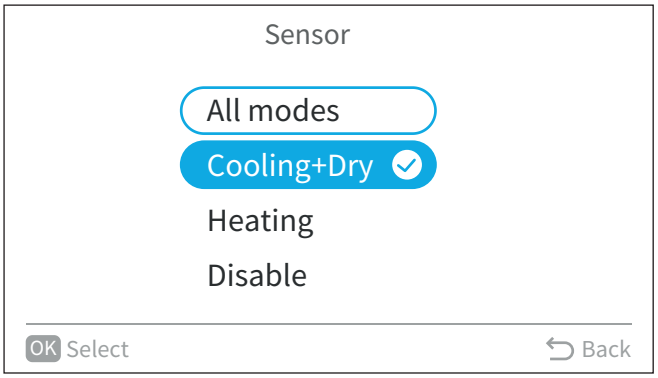
1 Select "Motion Sensor Setting" on the "Function Menu" screen and press "OK".




2 Press "^" or "v" to select "Sensor", and then press "OK".




3 Press "^" or "v", the sensor changes as follows:
"All modes" ↔ "Cooling+dry" ↔ "Heat" ↔ "Disable".
Select the sensor and press "OK".
Press "⮌" to return to the "Function Menu" screen.



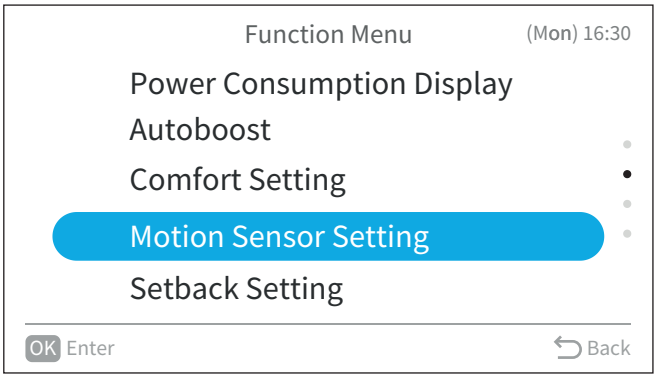

- All modes: The operating control function by the motion sensor is activated when HEAT, COOL or DRY mode is selected.
- Cooling+Dry: The operating control function by the motion sensor is activated when COOL or DRY mode is selected.
- Heating: The operating control function by the motion sensor is activated when HEAT mode is selected.
- Disable: The operating control function by the motion sensor is not activated.

### 5.9.2 Absent setting selection

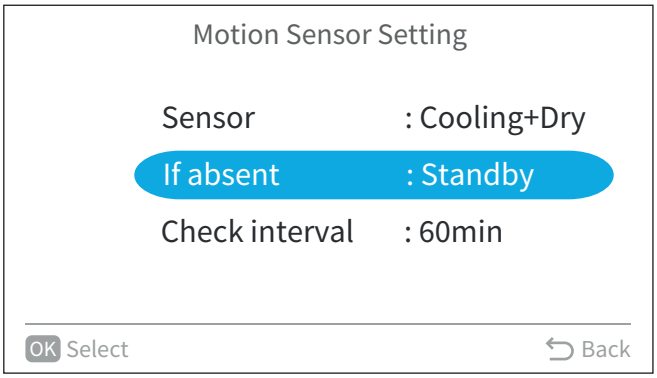
The “If absent” setting defines the operation mode of the indoor units when “Auto-Save” function enters in the “If absent” control sequence. This sequence is activated when the motion sensor detects an absence during the time set by the “Check interval” setting

- **ON**
  The operation continues with saving the capacity after being detected as an absence. If human activity is detected over a period of time, normal operation is performed again.
- **Standby**
  Indoor units are set to forced Thermo-OFF and the fan speed to “Low” speed. If human activity is detected for a period of time, normal operation is performed again.
- **OFF**
  The operation is stopped by the wired controller and the indoor units are not restarted automatically by the sensor even if activity is detected again.
- **Stop • Detect**
  In case several indoor units using a motion sensor are connected to the same wired controller, operation of all the units will be stopped once all the related indoor units will detect the “absence” mode. If human activity is detected for a period of time once this stoppage sequence is engaged, normal operation is then resumed.

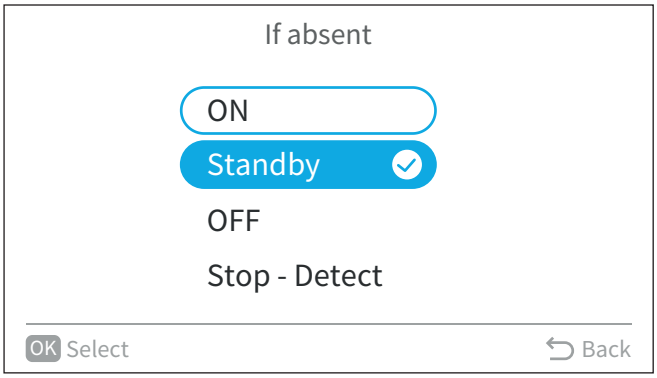
1 Select “Motion Sensor Setting” on the “Function Menu” screen and press “OK”.




2 Press “^” or “v” to select “If absent”, and then press “OK”.




3 Press “^” or “v”, the operation changes as follows:
“ON” ↔ “Standby” ↔ “OFF” ↔ “Stop - Detect”.
Select the operation and press “OK”.
Press “⮌” to return to the “Function Menu” screen.

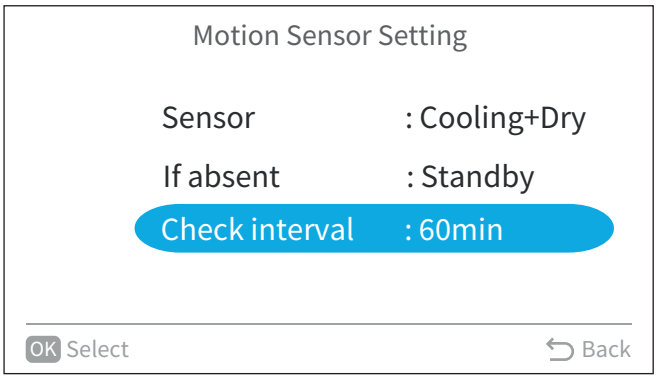



### 5.9.3 Check interval time setting

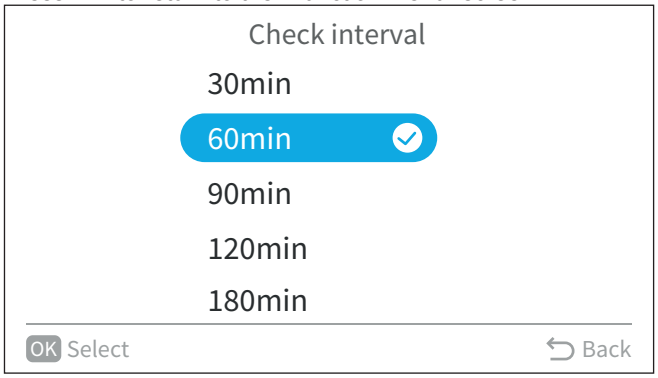
When the motion sensor detects an absence at selected check interval time, the function “If absent” will be executed. The check interval can be set to 30, 60, 90, 120 or 180 minutes (the default setting is 30 minutes).

1 Select “Motion Sensor Setting” on the “Function Menu” screen and press “OK”.

2 Press “^” or “v” to select “Check interval”, and then press “OK”.




3 Press “^” or “v”, to select the interval check time and press “OK”.
Press “⮌” to return to the “Function Menu” screen.



## 5.10 SETBACK SETTING

### 5.10.1 Setback schedule setting

Setback function is designed to maintain a minimum level of comfort in a room when it is not occupied.

Setback operation is made available through the setting of optional functions in the Function Selection menu, which is located in the Test Run menu of the wired controller. In case of using an external input, the setting of the external input in the Test Run menu of the wired controller is also required.

During Setback operation, fan speed is automatically set to LOW The control sensor during Setback operation is the sensor defined by C8 setting (optional function menu).

“Setback” is displayed on the LCD of the wired controller while the Setback control is in operation.

There are several modes available for the Setback function:

Setback Input
In hotel rooms, Setback Temperature Control is activated when the card key is taken out from the card holder. As soon as the card key is inserted again, the normal control is restored.

Setback Schedule
Setback Temperature Control works during a period determined by the users, such as during night time. The normal control is restored once the scheduled period is over.

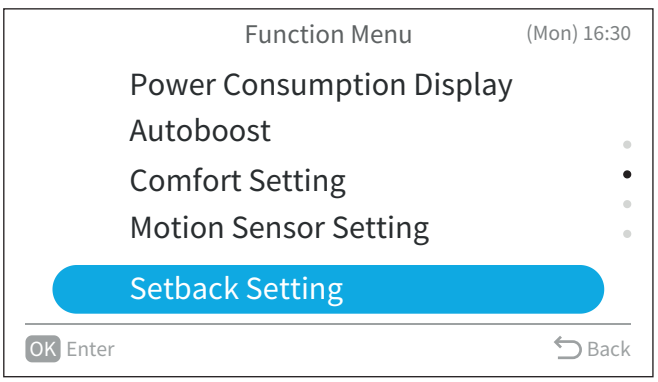
Setback Manual
Setback Temperature Control is activated manually by the user when he is leaving the room. The normal control is restored when Setback Temperature Control is turned off manually.

To select the Setback mode, set the optional parameter “qE” from the Function selection menu. The following settings are also useful for the configuration of the SetBack function: C8, qb, rE, rF, qC, qd, qF and r9.

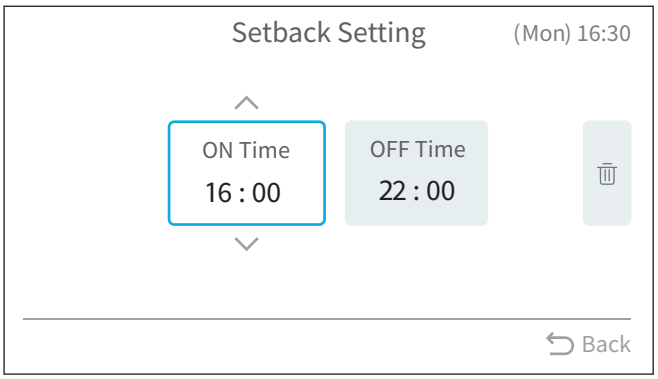
To get more details about these settings, refer to the chapter “Function selection”.

This function is used to start/stop setback mode at desired time. It is available only when setback mode is set as Schedule mode. To change the setback mode, select another mode at the function selection setting. Contact your distributor for detailed information. The items cannot be set/modified if indoor unit does not support this function.

1 Select “Setback Setting” on the “Function Menu” screen and press “OK”.
If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.

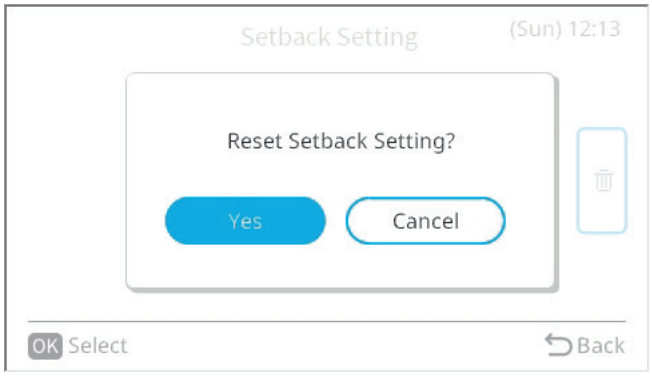



2 Press “<” or “>” to select the settings, and the selected item changes as follows:
"ON Time" ↔ "OFF Time" ↔ “🗑”.




3 Press “^” or “v” to select the setting. After setting, press “⮌” to confirm the settings and then the screen returns to the “Function Menu” screen.

- When ON Time / OFF Time is selected,
The time changes every 30 minutes. If you press and hold “^” or “v”, the number will increase or decrease continuously.
- Do not set the same time for ON Time and OFF Time.
It's unavailable if ON time or OFF time is not set.
- When “🗑” is selected, the confirmation screen is displayed.
Select "Yes" and press "OK" to delete the settings and the screen returns to Step2.
If select "Cancel", the screen returns to the "Setback Setting" screen.




**NOTE**

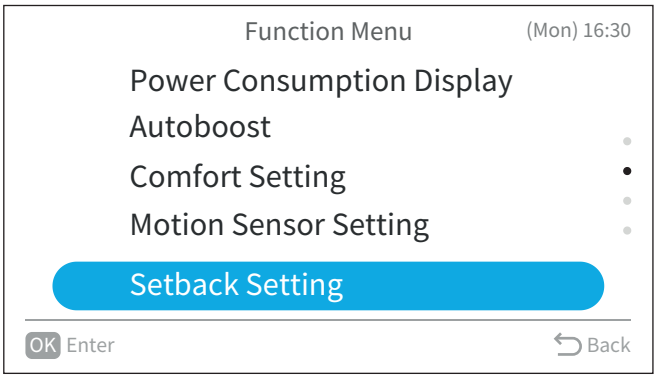
*In the following instances, the schedule operation is NOT available.*

- *When the operation is prohibited by the controller and is set from the central controller.*
- *If the icon “📅” is displayed, the schedule control is NOT activated because the Date/Time is not specified yet. To specify the Date/Time setting, refer to “7.1 Adjusting date / time” for details.*

### 5.10.2 Setback manual setting

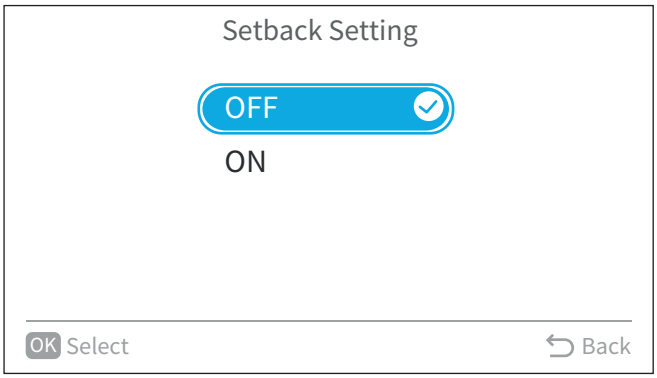
This function is used to temporarily activate Setback operation. It is available only when Setback mode is set as Manual mode; this function is normally used to set a long vacation.
The items cannot be set/modified if indoor unit does not support this function.

1 Select “Setback Setting” on the “Function Menu” screen and press “OK”.




2 Press “^” or “v” to select “ON”. Press “OK”and the screen returns to the “Function Menu” screen.

- The indicator turns on when schedule operation is ON.
- The indicator turns off when schedule operation is OFF.




**NOTE**

*Setback operation cannot be ON/OFF while wired controller operation is prohibited.*

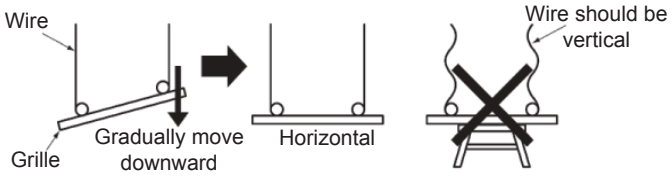
## 5.11 ELEVATING GRILLE

This function is used to raise and lower grille when the air filter and grille need to be cleaned.

It is available only when the elevating grille is equipped with the air panel.

**NOTE**

- *In order to enable this function there are specific settings to be done for the input/output contacts. See “6.1.15 Elevating grille Setting” to configure the needed settings. If these settings are not set, this function cannot work.*
- *When the air inlet grille is set inside the air panel, ensure that the air inlet grille is horizontal and the wire is suspended tightly without loosening.*

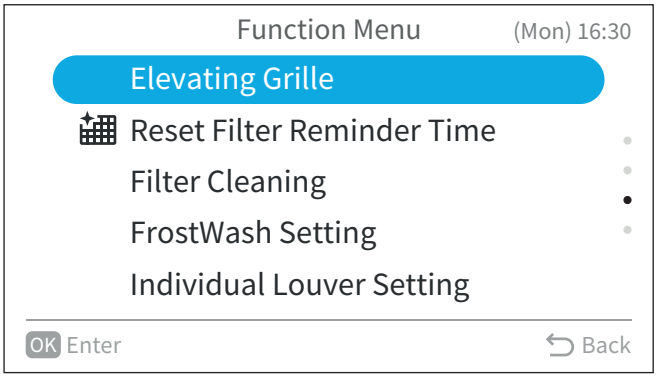



- *After the above is ensured, set the air inlet grille. If the air inlet grille is inclined and the wire is loosened, they may be caught in the pulley. It may lead to a failure of the pulley or pulley block. If the worst happens, it may cause personal injury if the air panel falls open.*
- *This function is available only for indoor unit elevating grille.*
- *Make sure that the unit operation is stopped before using the elevating grille.*
- *The elevating grille function is not available when the unit is operating.*
- *One wired controller can control the grille of several indoor units only if the related indoor units are connected to the A/B line of this wired controller.*

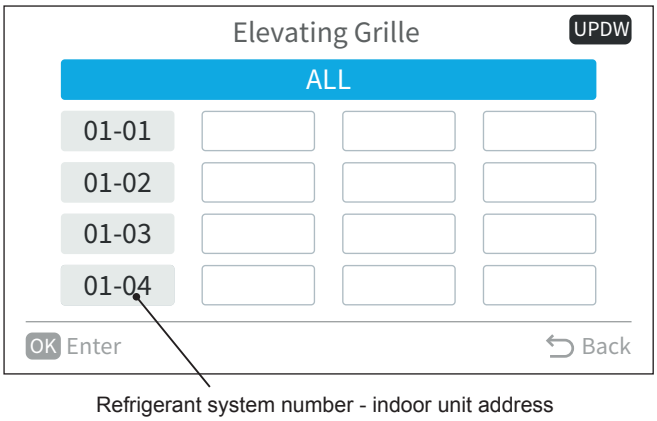
**Use the elevating grille function**

1 Select “Elevating Grille” on the “Function Menu” screen and press “OK”.

- If there is only one indoor unit, the elevating grille operation screen in Step3 is displayed.



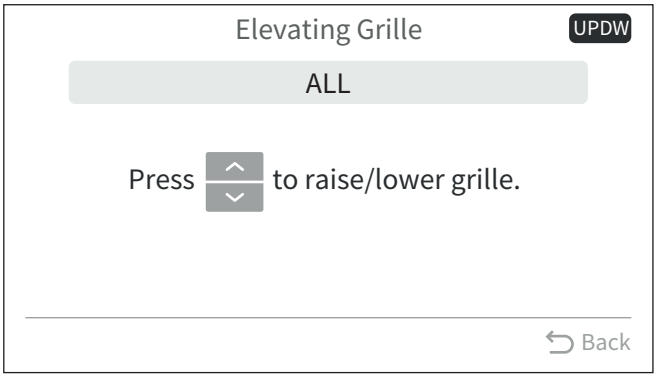

2 Press “^”, “v”, “<”, or “>” to select the indoor unit(s) for which the grille has to be raised or lowered. Press “OK”.




Refrigerant system number - indoor unit address

3 Press "﹀" to lower the grille until it's lowered to the set distance.

- If it is necessary to further lower the grille (more than the set value), press "﹀" again.
- Each press lowers the grille by 20in (50cm).
- Pressing "﹀" can stop the grille at any position while it is lowering.




4 After cleaning the air filter, install the air filter and press "﹀" to raise the grille. Once the grille is stored inside the unit, it will stop after approximately 3 seconds.

- If the grille is tilted when stored, press "﹀" again until the tilt is corrected.
- Pressing "﹀" can stop the grille at any position while it is raising.

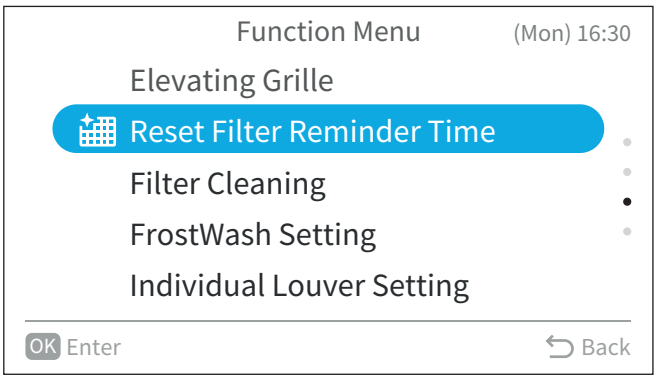
5 Press"⮌" to return to the indoor unit selection screen.
To operate other indoor units, perform the operations of above Step2.
To end the operation, press "⮌" again to return to the "Function Menu" screen.

- If there is only one indoor unit, the screen returns to the "Function Menu" screen.

## 5.12 FILTER REMINDER RESET SETTING

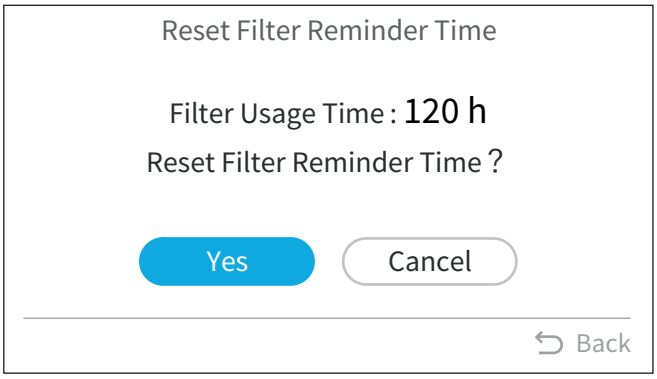
This function is used to turn off the filter reminder indication and to reset the time of use for the filter.

1 Select "Reset Filter Reminder Time" on the "Function Menu" screen and press "OK".

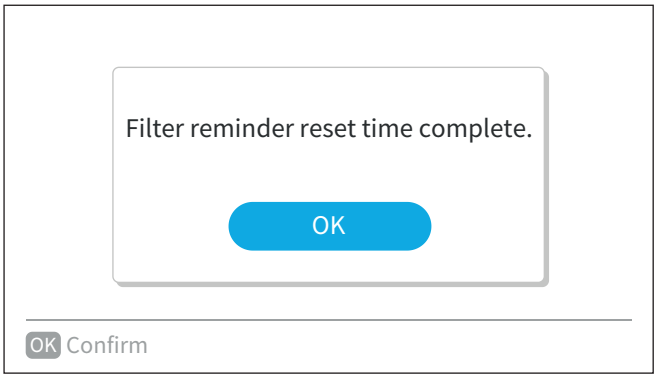



2 Press "﹤" or "﹥" to select "Yes", and then press "OK".

- The screen returns to the "Function Menu" screen depending on the type of the indoor unit.




3 Press "OK" and the screen returns to the "Function Menu" screen.



## 5.13 FROSTWASH

FrostWash is available when applicable outdoor units and indoor units are connected. To use this function in VRF system, outdoor unit function selection item “F1” need to be configured on outdoor units.

Please configure function selection F1 on the outdoor units, and then set the wired remote controller.

Please contact the distributor or service personnel for availability and configuration of this function.

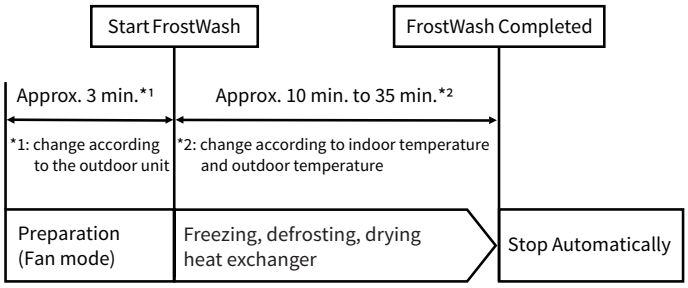
### 5.13.1 About FrostWash

- Regarding the noise upon freezing and defrosting
  - Cracking noise may be heard during the freezing or defrosting phase due to temperature change. Refrigerant flow noise may also be heard. The noise may be heard relatively louder in a quiet environment. It is recommended to set the “Auto-FrostWash Schedule” when the room is not occupied.
  - Choose not to use the FrostWash function in places such as hotel rooms and hospitals, where consistent quietness is expected.
- Ice fog may come out from air outlet during the FrostWash operation.
- Ice fog could happen in a humid environment such as the room humidifier is used in a small room.
- FrostWash is available when the outside temperature is in the range of (1°C - 43°C), and the indoor temperature is in the range of (15°C - 30°C).
- Also refer to technical documents of outdoor units because outdoor temperature range may vary depending on outdoor units’ type.
- The temperature around the indoor unit may drop slightly during FrostWash operation.

### 5.13.2 Start FrostWash

Generate frost on the coil and then melt the frost to wash the coil.

FrostWash setting is not enabled as factory setting. This function has to be activated from the outdoor unit first (refer to *“5.13.5 FrostWash Setting”* fore more information) and then controlled from the wired controller.




- Press “OK” on the wired controller to cancel FrostWash in the middle of an operation.
- After a cancellation, frost on the heat exchanger needs to be defrosted and the heat exchanger needs to be dried. The system cannot start operation for at least 8 minutes after cancellation.
- You cannot start another FrostWash immediately after a FrostWash operation completes. Run either cooling operation, heating operation or dry operation for approx. 60 minutes. Then, start another FrostWash operation.

**NOTE**

*Do not open or remove the air inlet grille during the FrostWash operation. It may cause injury or damage of units.*

### 5.13.3 FrostWash setting on outdoor unit

To use this function in the VRF system, function selection F1 needs to be configured on the outdoor units. FrostWash setting is disabled on the factory default setting. Set Function Selection F1 according to the following table.

| "F1" Setting Condition | Auto-FrostWash | | Manual FrostWash |
|---|---|---|---|
| | "Interval" Time Duration | Start-up Timing | Operation |
| 0 | Factory Setting (Default): Not available FrostWash | | |
| 1 | Total Comp. Operation Hour: 500h | 2 hours after system stopped | Operate outdoor unit PSW |
| 2 | Total Comp. Operation Hour: 1000h | | |
| 3 | Total Comp. Operation Hour: 500h | Within the time zone scheduled by Main Wired Controller*1,2 | |
| 4 | Total Comp. Operation Hour: 1000h | | |
| 5 | Total Indoor Unit Fan Operation Hour: Depending on Main Wired Controller Setting | Within the time zone scheduled by Main Wired Controller*1,2 | Operate from Main Wired Controller*1 or operate outdoor unit PSW |

*1: Only one “Main Wired Controller” exists in the same refrigerant cycle, and all the others are “Sub Wired Controller”.

Refer to *“6.1.12 Main Remote Setting”* in this manual for the details of Main Wired Remote Controller setting.

*2: You can set the schedule for the FrostWash operation from the Main Remote Controller. Otherwise, the FrostWash operation will start soon after the system is stopped.

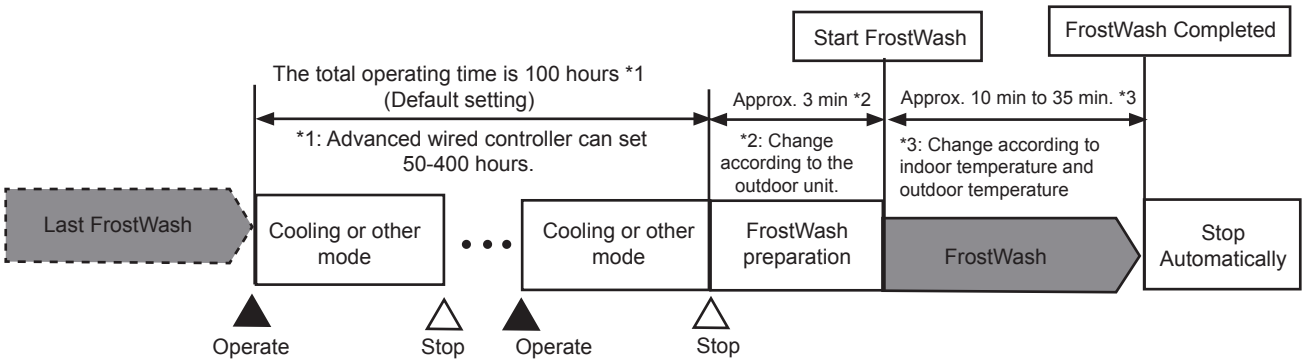
This function suppresses a clog on the heat exchanger.

First, freeze the indoor unit heat exchanger when whole system is under stoppage. Then defrost it to remove the dust with drain water. Auto-FrostWash and Manual FrostWash are selectable.

**NOTE**

- *This function cannot be set when the indoor unit and the outdoor unit do not support this function.*
- *Depending on the outdoor unit, the settings on the outdoor unit may be required.*
- *Cracking noise may be heard during freezing or defrosting phase due to temperature change. Refrigerant flow noise may also be heard. The noise may be heard relatively louder in a quiet environment. It is recommended to set "Auto-FrostWash Schedule" when room is not occupied.*
- *Ice fog may come out from air outlet during FrostWash operation. Ice fog could happen in a humid environment such as the room humidifier is used in a small room.*
- *This function is not available to operate where the outside temperature is lower than 1°C or higher than 43°C.*
- *This function is not available to operate where the room temperature is lower than 15°C or higher than 30°C.*
- *The level of dust removed is depend on usage environment.*
- *Limitations and settings are required when using this feature in a VRF system.*

### 5.13.4 Auto-FrostWash Flow



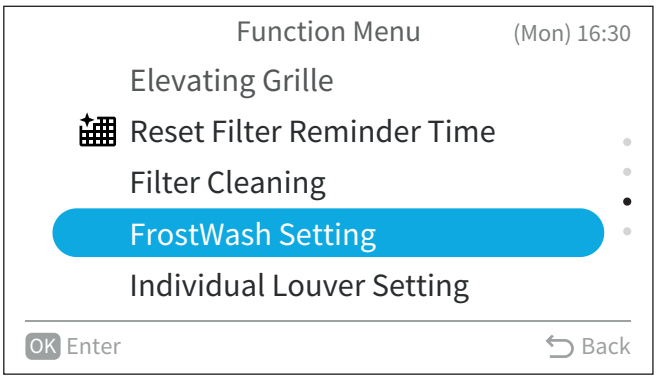

- Auto-FrostWash is disabled in default setting. To enable this function, set the Auto-FrostWash be enabled.
- If the Auto-FrostWash is stopped, the total operating time will be reset.

**NOTE**

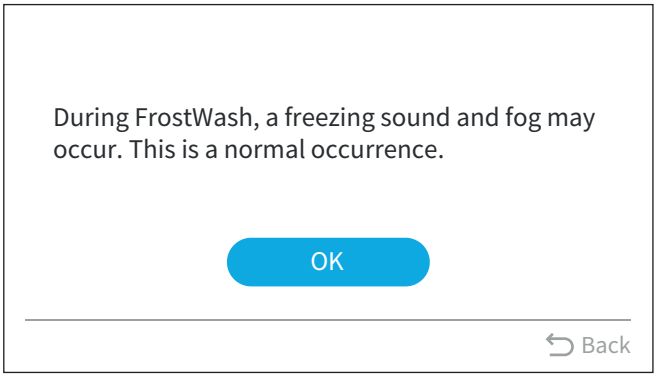
*In the case of 2 remote controllers, FrostWash can be set only on the primary wired remote controller.*

### 5.13.5 FrostWash Setting

1 In order to access FrostWash settings, select “FrostWash Setting” in Function Menu, and press “OK”.




2 Press “OK”.



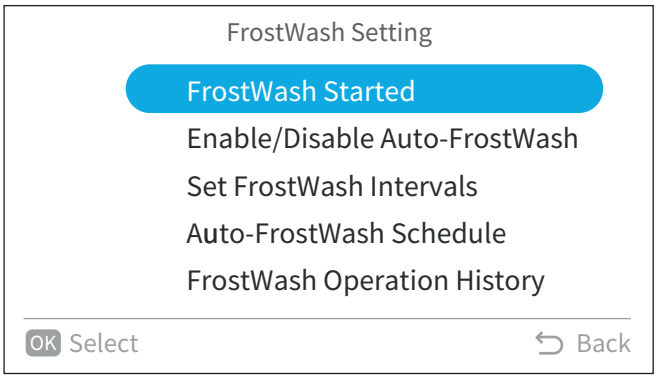

#### ◆ Manual FrostWash

**NOTE**

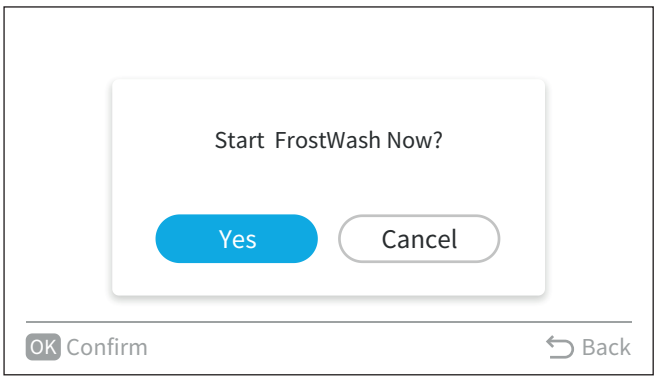
- *The icon disappears when performing Manual FrostWash or when enabling the Auto-FrostWash.*
- *Manual FrostWash may not be performed when the unit is used continuously in fan mode, despite the display of the icon. After operating the unit in cooling, heating or dry mode, manual FrostWash can be performed.*

This function is to perform FrostWash at your favourite timing, such as when you have not used Cooling or another mode for a while.

1 Press “^” or "v" to select "FrostWash Started" and press "OK".




2 Press ”<”, or “>” to select “Yes” and press “OK”. Manual FrostWash is started.



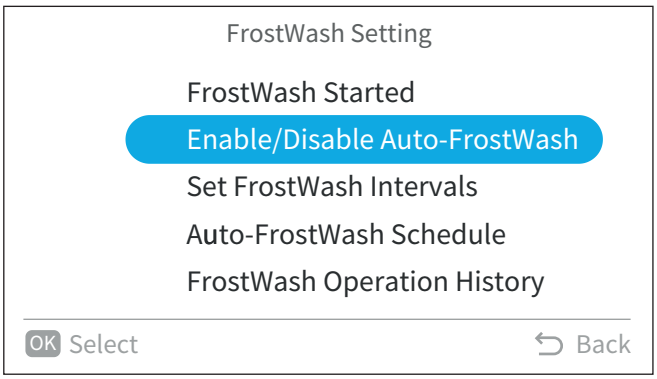
## ◆ Auto-FrostWash

**NOTE**

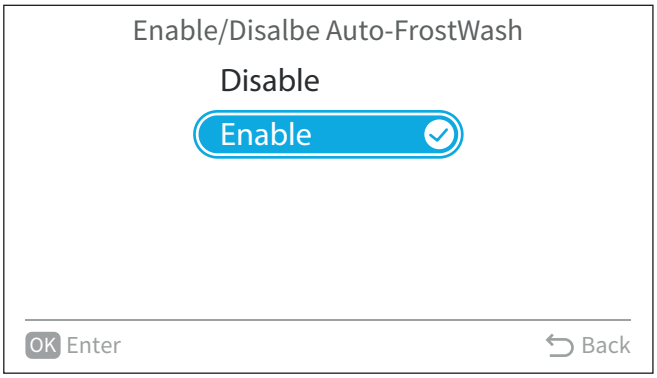
*The icon disappears when performing Manual FrostWash or when enabling Auto FrostWash.*

This function automatically starts FrostWash when the indoor unit operation is stopped and the set time interval has elapsed.

**1** Press "^" or "v" to select "Enable/Disable Auto-FrostWash" and press "OK".

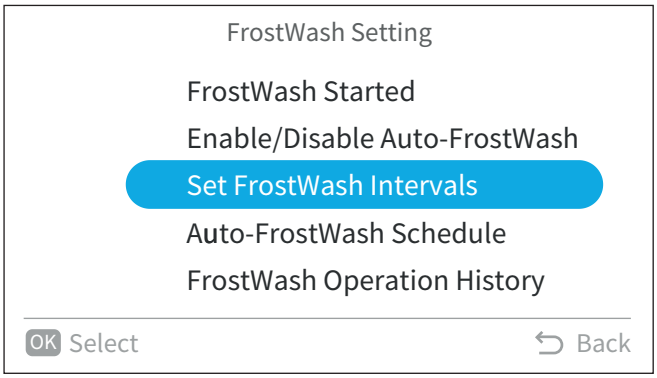



**2** Press "^" or "v" to select "ON" and press "OK". Press"⮌" to return to Step1.

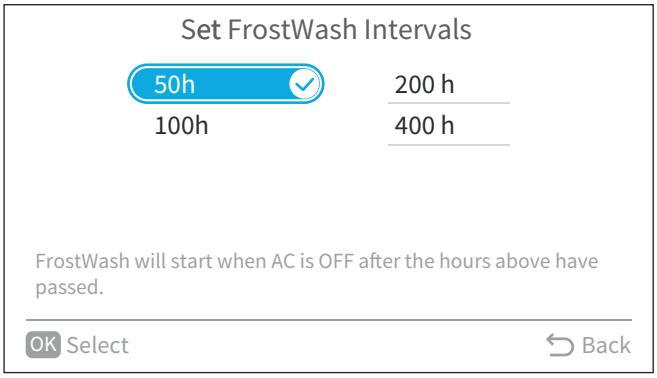



## ◆ FrostWash Intervals

**1** Press "^" or "v" to select "Set FrostWash Intervals" and press "OK".




**2** Press "^", "v", "<", or ">" to select interval time and press "OK".



## ◆ Auto-FrostWash Schedule

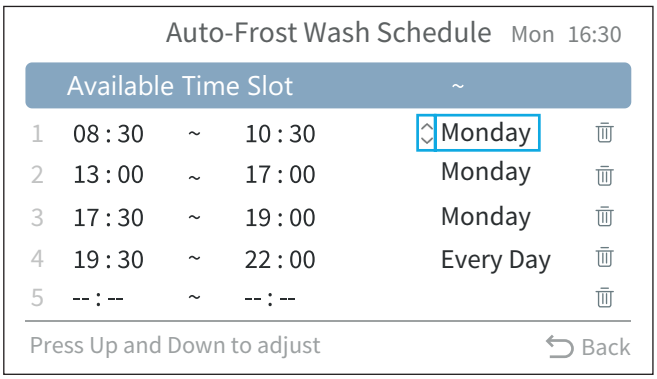
**1** Press "^" or "v" to select "Auto-FrostWash Schedule" and press "OK".

- If the current time is not set, the time setting screen *"7.1 Adjusting date / time"* is automatically displayed.




**2** Press "^" or "v" to select from schedule "1" to "5". Press"< " or ">" to select "Start time", "End time", "Weekday". Then press "^" or "v" to adjust.

- Press and hold the "^" or "v" to increase or decrease continuously.
- Select "🗑" and press "OK" to delete the schedule. Select schedule "1" to "5" and press "⮌" to confirm the Auto-FrostWash schedule.

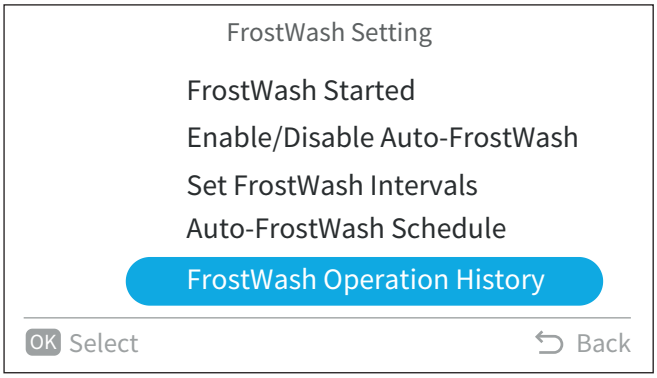



## ◆ FrostWash Operation History

**NOTE**

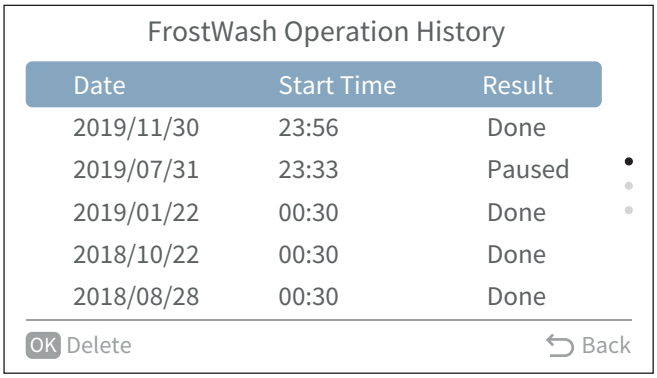
- *If the current time is not set, the date will be "- -".*
- *The start time is the time when FrostWash is being prepared.*

**1** Press "^" or "v" to select "FrostWash Operation History" and press "OK".



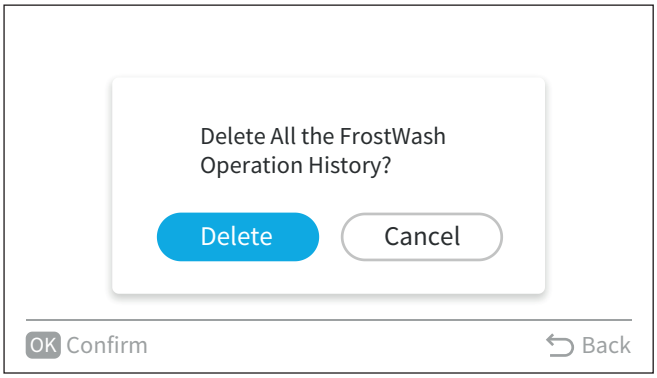

**2** Press the "^" or "v" to show the FrostWash history.

- "Done" or "Paused" is displayed as the result.
- Up to 15 records can be saved.




**3** To delete the FrostWash history, press "OK" to display the confirmation screen.

- Select "Delete" and press "OK" to clear the FrostWash history and return to Step2.
- Select "Cancel", the screen returns to Step2.



### 5.13.6 Display during FrostWash

During FrostWash operation, the following screens sequences are displayed:

① FrostWash in prepration




② FrostWash in progess




③ Complete FrostWash



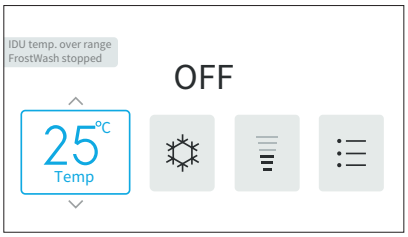

The display of compeleted FrostWash will disappear when one of the remote controllers is operated after the backlight is turned on.

**NOTE**

- *In each screen display, the backlight turns off after a certain period of time (The default setting is 15 seconds.) after operation, so it may be difficult to see the screen display.*
- *If the display is difficult to see, press any switch to turn on the backlight. At that time, if you press the "OK", the screen will change to the ①②*
  *- 1 FrostWash pause screen.*

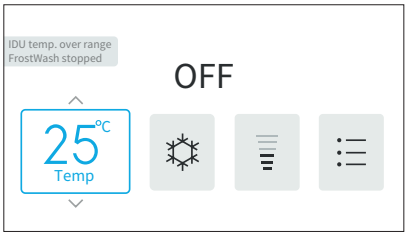
If the indoor or outdoor temperature does not meet the conditions for FrostWash, the following is displayed.

①- 1 When the indoor unit is out of the temperature range




If the room temperature is outside the range of 15°C to 30°C, FrostWash will not be performed and the pause screen is displayed. The display will disapper when one of the remote controllers is operated after the backlight is turned on.

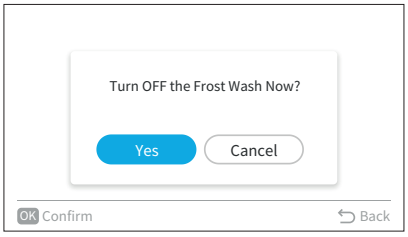
①- 2 When the outdoor unit is out of the temperature range




If the room temperature is outside the range of 1°C to 43°C, FrostWash will not be performed and the pause screen is displayed. The display will disappear when one of the remote controllers is operated after the backlight is turned on.

If FrostWash is paused, the following is displayed.

①②- 1 Press "OK" (Turn off the FrostWash)




①②- 2 FrostWash off screen




The above display will continue for about 8 minutes. Please note that no operation can be done at that time.

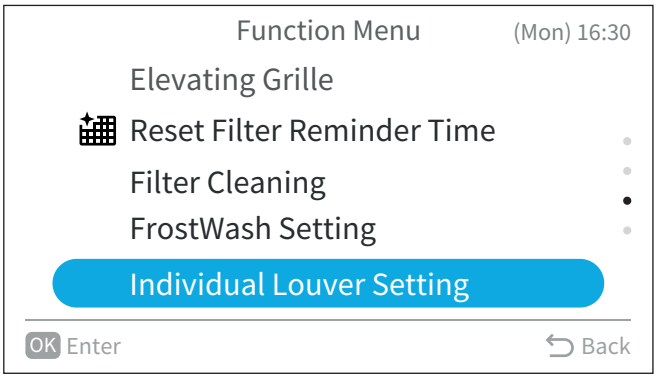
## 5.14 INDIVIDUAL LOUVER SETTING

This function is to individually set the air direction of multiple air outlets.

**NOTE**

- *This function is available when the indoor unit supports individual louvers.*
- *It cannot be set while the air conditioner is stopped.*
- *The fan speed changes to "LOW" while this function is being set. After the setting is completed, the unit operation is back to normal.*
- *As for "Start-up of Heating Operation", "During Defrost Operation" and "Activation of Thermo-Controller", all the louver angles are automatically secured horizontally when this function is activated.*
- *This function is not available if two remote controllers (including a combination of wired controller + wireless controller) are used.*

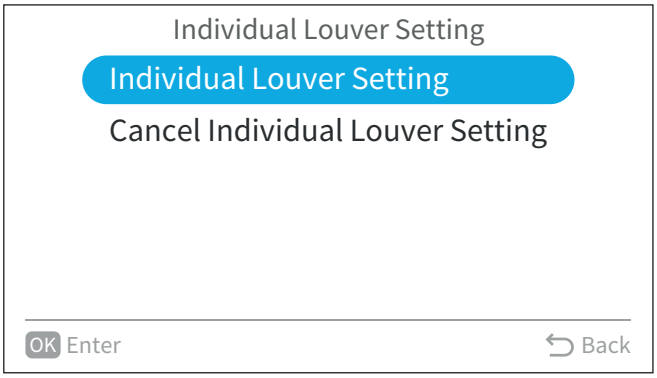
**1** Select “Individual Louver Setting” on the “Function Menu” and press “OK”.




**2** Select “Individual Louver Setting” and press “OK”.

**NOTE**

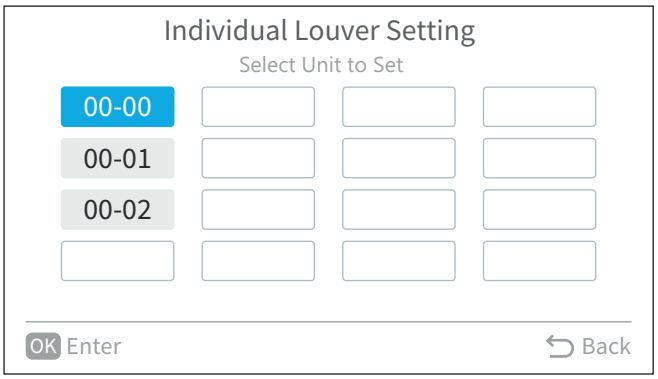
*If there is one indoor unit connected with the controller, Step4 is displayed.*



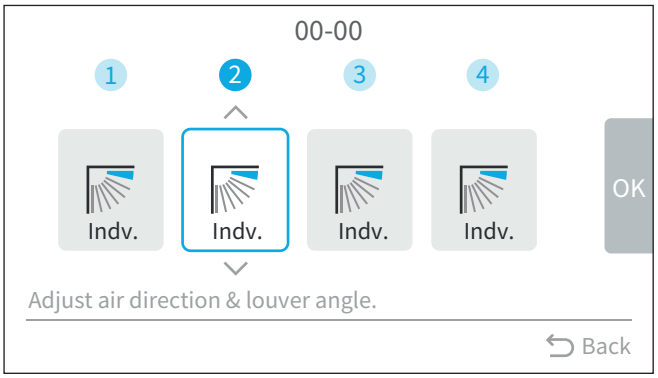

**3** Press”^”, “v”, “<”, or “>” to select the indoor unit to change the louver direction, and press “OK”.

**NOTE**

*The indoor unit displayed on the screen flashes if an individual louver is set.*




**4** Press “<” or “>” and select the louver from 1 to 4.
The selected louver is opened while the unselected louvers are closed.




**5** Press”^” or “v” to select the louver angle and press "OK".
Return to Step3.
The louver angle is changed as follows.

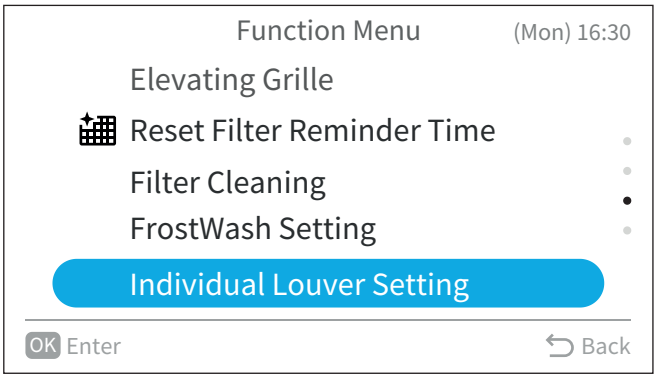



**6** Ensure that individual "Indv." is turned on at the Louver on the home screen.



## 5.15 CANCEL INDIVIDUAL LOUVER SETTING

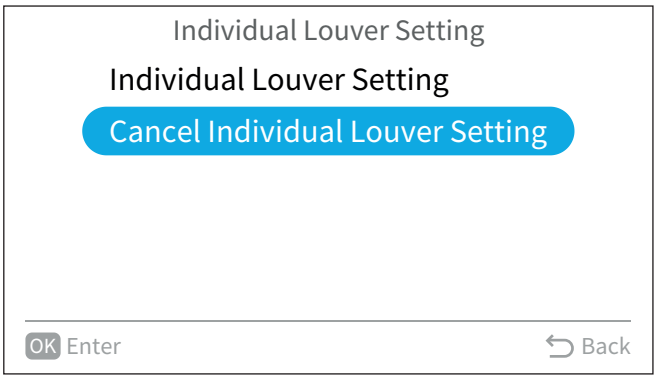
1 Select “Individual Louver Setting” on the “Function Menu” and press “OK”.




2 Select “Cancel Individual Louver Setting” and press “OK”.

**NOTE**

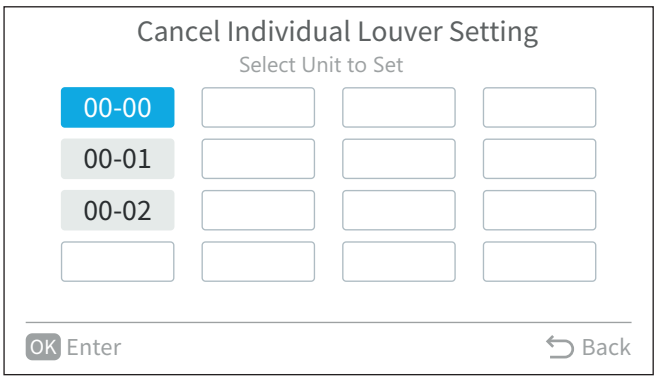
*If there is one indoor unit connected with the controller, Step4 is displayed.*




3 Press”^”, “v”, “<”, or “>” to select the indoor unit to cancel the louver direction, and press “OK”.

**NOTE**

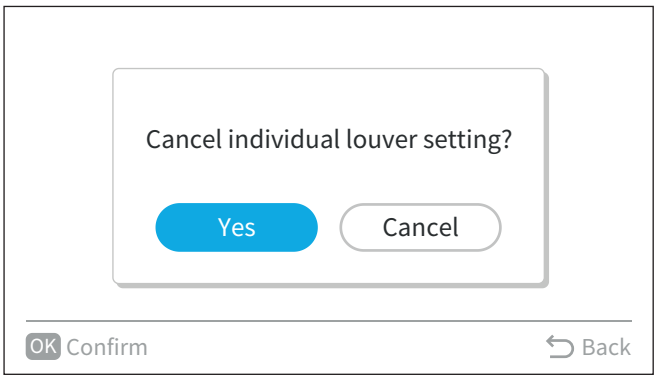
*The indoor unit displayed on the screen flashes if an individual louver is set.*




4 Press “<” or “>” to select “Yes” and press “OK”. Cancel the individual louver setting and return to Step3.

**NOTE**

*All the individual louver settings are cancelled.*



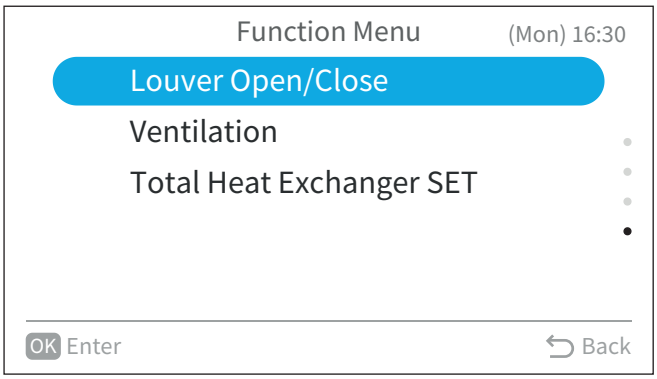

## 5.16 LOUVER OPEN/CLOSE

This function can be used to fully open the air louvers of one specific indoor unit, in order to easily identify this unit on site.

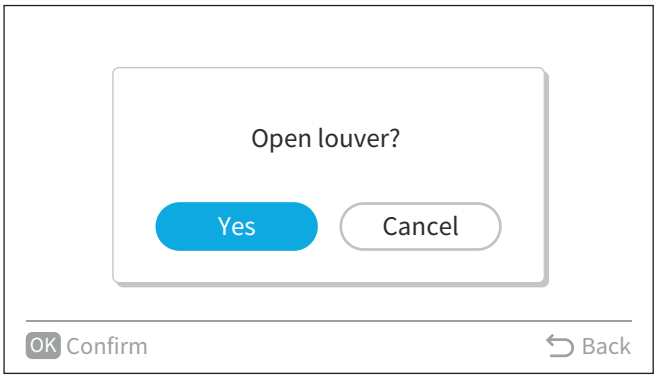
**NOTE**

- *This function cannot be set when the air conditioner is ON.*
- *This function is invalid depending on the indoor unit type. Refer to the user manual of indoor unit for details.*

1 Select “Louver Open/Close” on the “Function Menu” and press “OK”.



2 Press “<” or “>” to select "Yes" and press "OK" to open/close air outlet of indoor units.



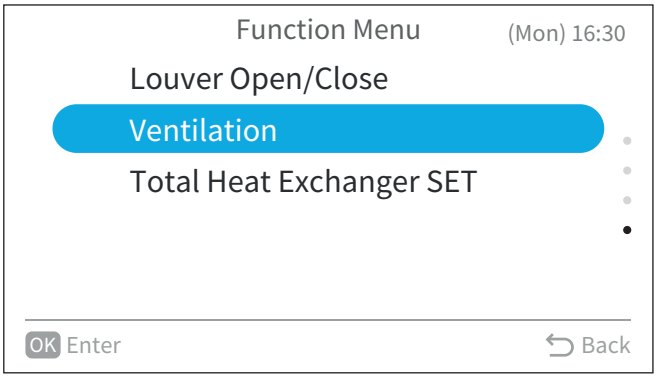

## 5.17 VENTILATION

| Operation Mode | Action |
|---|---|
| A/C | Operate the air conditioner individually. |
| Ventilation | Operate the total heat exchanger individually. |
| A/C + Ventilation | Operate the air conditioner and the total heat exchanger together. |

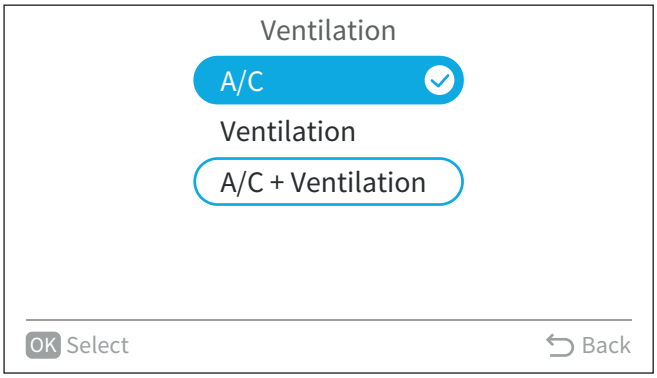
**NOTE**

*This function is available only when the total heat exchanger is connected.*

1 Select “Ventilation" on the “Function Menu” and press “OK”.




2 Press “^" or "v" to select the operation mode and press “OK” to confirm. The item changes as follows: “A/C” ↔ “Ventilation” ↔ “A/C + Ventilation”.
Press"⮌" to return to Function Menu.



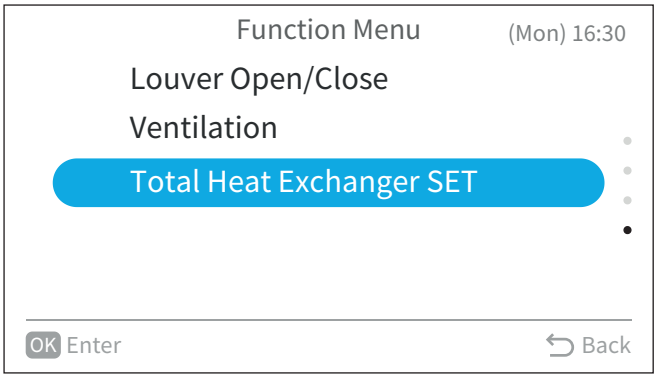

## 5.18 TOTAL HEAT EXCHANGER SETTING

This function is used to change the ventilation mode (Venti. Mode) of the total heat exchanger.

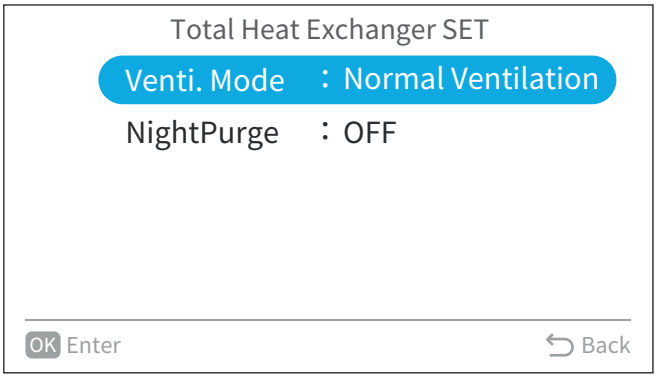
**NOTE**

- *This function is available only when the total heat exchanger is connected.*
- *This function cannot be set when the air conditioner is ON.*

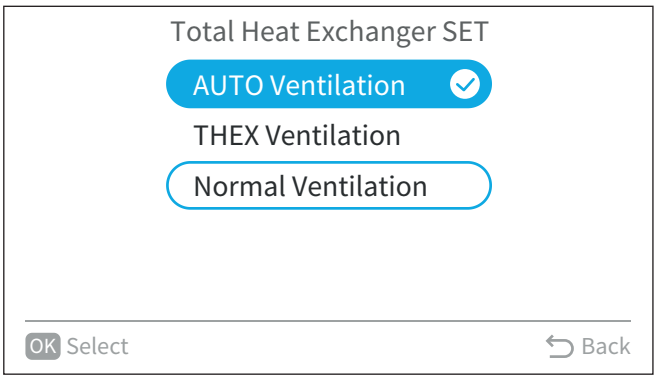
1 Select “Total Heat Exchanger SET” on the “Function Menu” and press “OK”.



2 Press “^” or "v" to select "Venti. Mode" and press "OK".




3 Press “^” or "v" to select the operation mode and press “OK” to confirm. The item changes as follows: “AUTO Ventilation” ↔ “THEX Ventilation” ↔ “Normal Ventilation”.
Press”⮌” to return to Step2.

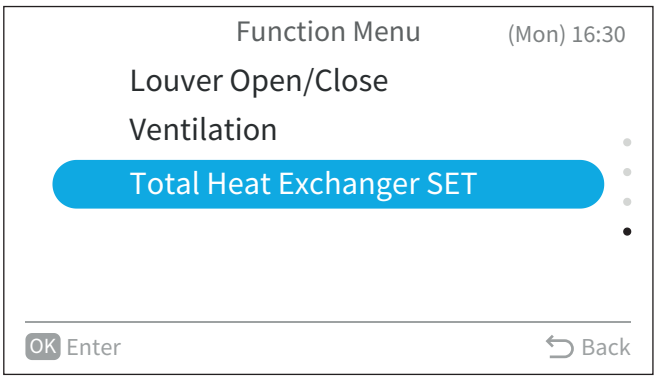



### 5.18.1 Night Purge

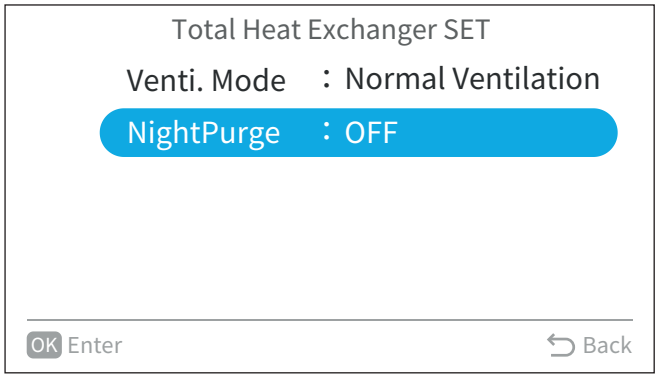
This function is not yet available in current units sold in the Europe market.

When there is a temperature difference between indoor and outdoor, this function can reduce the cooling load on next morning by automatically exhausting the hot air inside the room at night.

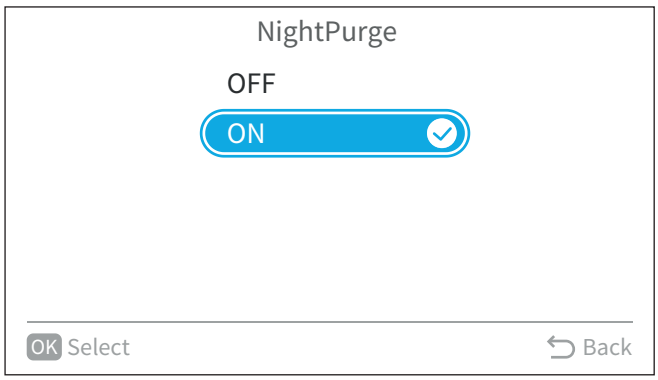
1 Select “Total Heat Exchanger SET” on the “Function Menu” screen and press “OK”.




2 Press “^” or "v" to select "Night Purge" and press "OK".

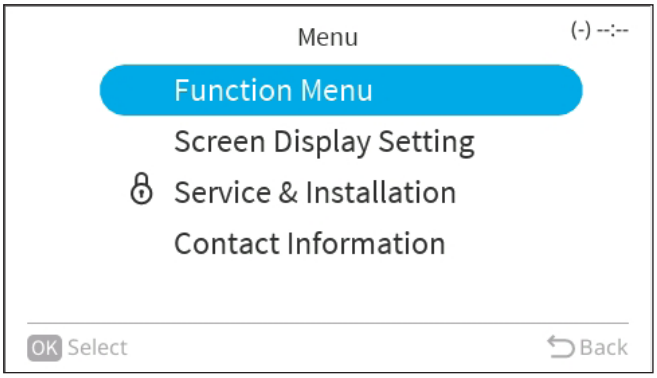



3 Press “^” or "v" to select "ON" and press “OK”.
Press”⮌” to return to Step2.

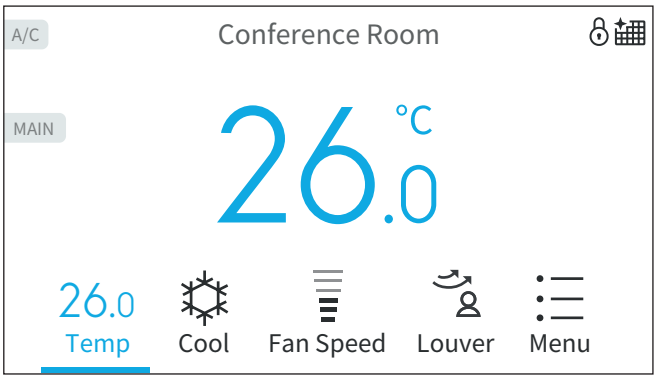


# 6 SERVICE & INSTALLATION MENU

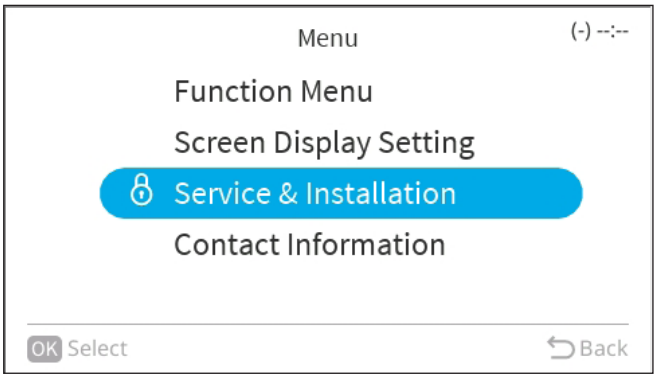
**1** While the air conditioner is OFF, press “>” to select “Menu” and press “OK”.



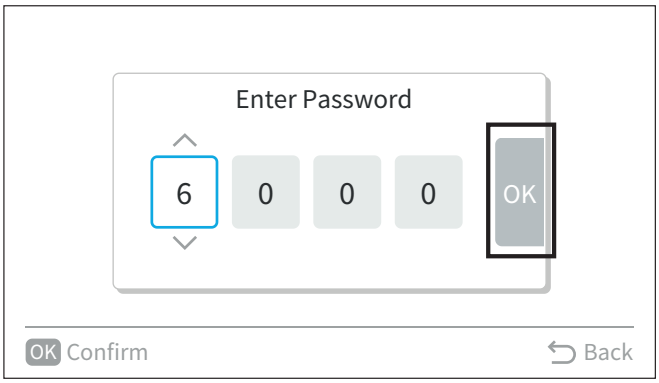

**2** While the air conditioner is ON, press “>” to select “Menu” and display the Menu screen.




**3** Select “Service & Installation” and press “OK”.

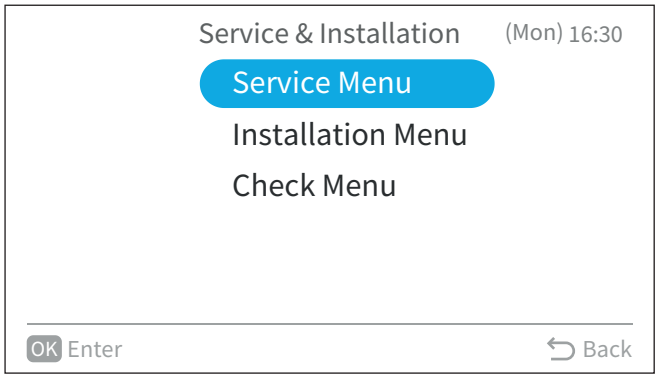



**4** Input password by pressing “^”, “v”, “<”, or “>”, select “OK”. Then press “OK”.
Password is required to prevent unintentional operations. The default user password is “0000”.




Service & Installation Menu screen is displayed.

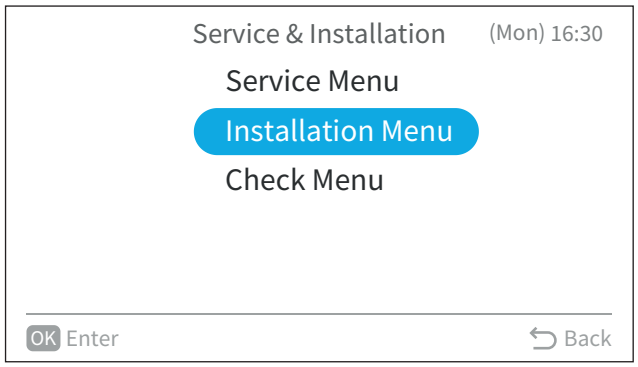
**5** If Password Input Effective Time is set, the password is cancelled and inputting password is not needed during the set period. See *“6.2.2 Password Setting”* for password settings.



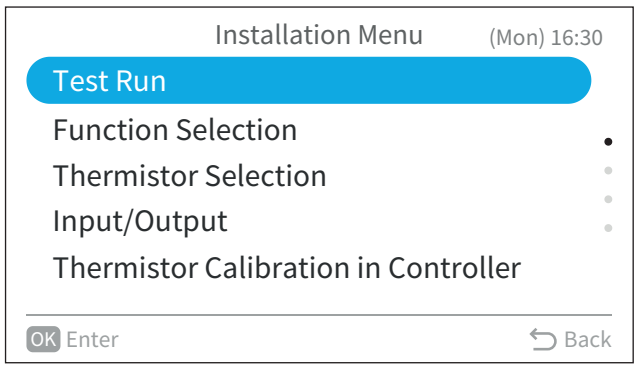
## 6.1 INSTALLATION MENU

### 6.1.1 Test Run

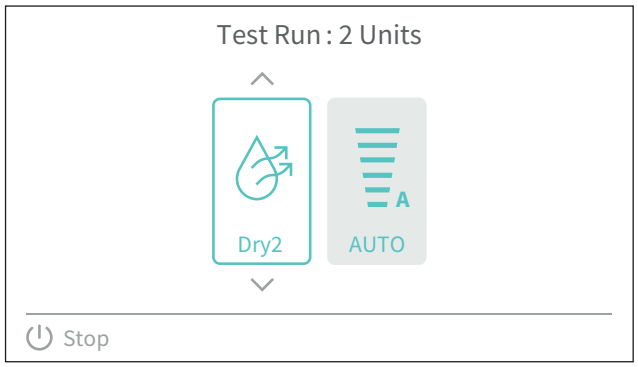
1 Select “Installation Menu” and press “OK”.




2 Select “Test Run” and press “OK”.




3 The total number of the indoor units connected to the wired controller or to the system is indicated on the screen.




(“2 units” is indicated for a twin combination, “3 units” for a triple, and “4 units” for a quad, etc.)

4 If the number of indoor units displayed on the screen is not matching with the real quantity of units connected to this controller, follow the procedure below.

Turn OFF the power supply, check the following items and perform the correct connection. (Do not repeat turning ON and OFF within 10 seconds).

- The power supply to the indoor unit was not turned ON or there is an incorrect wiring issue.
- There was an incorrect connection issue regarding interconnecting cables between indoor units or of the controller cable.
- There was an incorrect setting of the rotary switch and DIP switches (the settings were overlapped), on the printed circuit board (PCB) for the indoor unit.

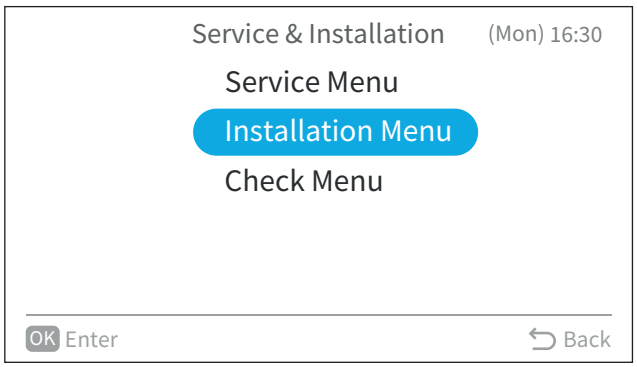
5 Cancel “Test Run” Mode

- When the unit is not in operation, press “⮌”.
- When the unit is in operation, press “⏻” (On/Off).

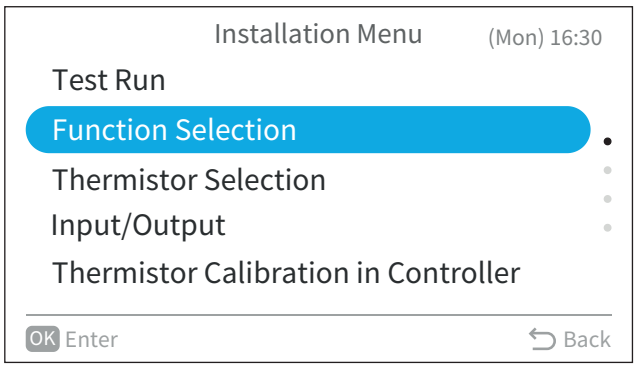
### 6.1.2 Function selection

Function Selection is set from Installation Menu.

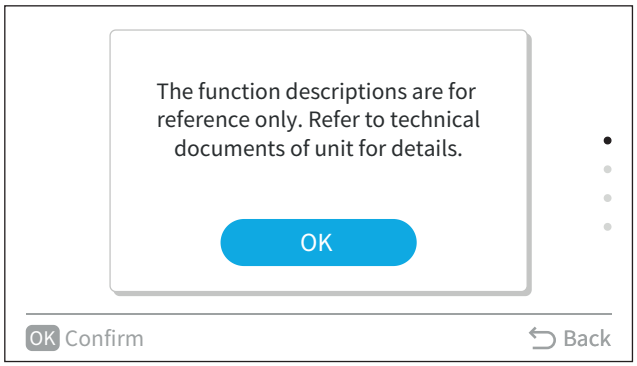
1 Select “Installation Menu” and press “OK" .



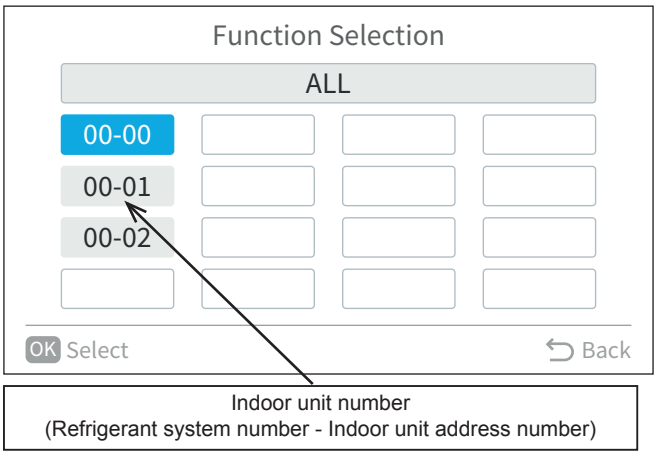

2 Select “Function Selection“ and press “OK”.



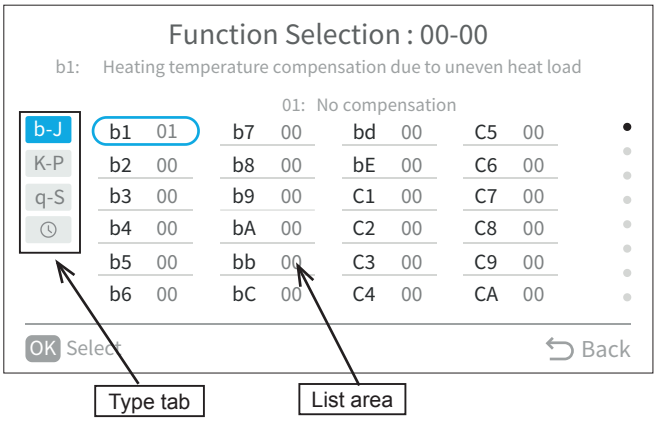

3 Press “OK”.



**4** Press “^”, “v”, “<”, or “>” to select the indoor unit to be set and press “OK”.
This screen is not displayed when only one indoor unit is connected to the wired remote controller (the screen in Step 5 is shown).



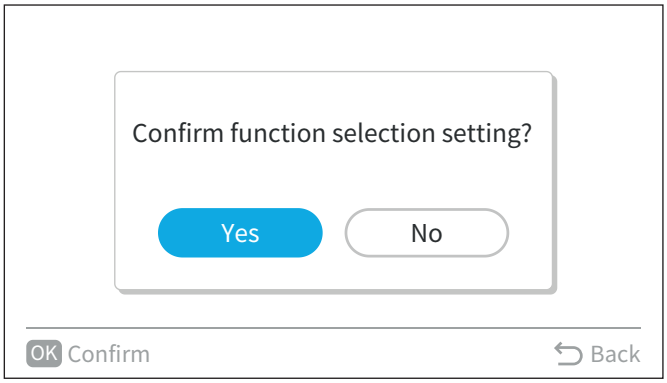

**5** Press “^” or “v” to select the type tab and press “OK”.
→It changes in the order of “b-J” ↔ “K-P” ↔ “q-S” ↔ “🕒”.




**6** Press “^”, “v”, “<”, or “>” to select the item to set from the list area. Press “OK” and press “<” or “>” to change the setting value.
After selecting the setting value, press “⮌” to return to the setting item selection mode.
To return to Step 5, press “⮌” in the setting item selection mode.

**7** To confirm the setting, press “⮌” in the tab selection mode.

**8** Select “Yes” and press”OK” to confirm the setting and return to Step 2.
Select “No” and press”OK” to discard the settings and return to Step 2.
Press “⮌”to return to Step 5.



## ◆ Table A. Optional Setting Items for Function Selection

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| b1 | Heating temperature compensation<br>Models:<br>All indoor units except RPF(I)-FSN2E | O | 00 | Normal (factory setting)<br>(Setting Temperature + 4ºC) | This function is used to adjust the temperature difference between the temperature read by the inlet sensor and the real room temperature.<br>This is useful when the inlet air thermistor is not placed inside the indoor unit or due to uneven heat load.<br>Note:<br>• *The "02", "03", "04" settings may not be available depending on the type of indoor unit.*<br>• *This setting shall be performed separately for each indoor unit, even in case that multiple indoor units are connected to one remote controller.* |
| | | | 01 | No compensation<br>(Setting Temperature) | |
| | | | 02 | Setting Temperature + 2ºC | |
| | | | 03 | Setting Temperature + 3ºC | |
| | | | 04 | Setting Temperature + 1ºC | |
| | Heating temperature compensation<br>Models:<br>RPF(I)-FSN2E | O | 00 | RPF(I)-FSN2E: Normal<br>(factory setting)<br>(Setting Temperature + 2ºC) | |
| | | | 01 | No compensation<br>(Setting Temperature) | |
| | | | 02 | Setting Temperature + 2ºC | |
| b2 | Circulation function at heating Thermo-OFF | O | 00 | Function disabled<br>(factory setting) | This function keeps the fan running during the Thermo-OFF sequence, at the fan speed set on the remote control switch, to prevent the stratification of air in the room. |
| | | | 01 | Function enabled | |
| b3 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| b4 | Change of filter cleaning period | O | 00 | Standard (1200 hours) | This function is used to modify the period of operation after which the air filter cleaning indication is shown in the remote control.<br>For RPK-FSR(H)M models, the factory setting is b4=00: Standard setting 200 hours. |
| | | | 01 | 100 hours | |
| | | | 02 | 1200 hours<br>(factory setting) | |
| | | | 03 | 2500 hours | |
| | | | 04 | No indication | |
| b5 | Locking of operation mode<br>(Not available for models KPI-E4) | X | 00 | Function disabled<br>(factory setting) | This function prevents the modification of the operation mode of the unit from the remote controller and from central controls, once it has been selected. |
| | | | 01 | Function enabled | |
| b6 | Locking of temperature setting | X | 00 | Function disabled<br>(factory setting) | This function prevents the modification of the setting temperature of the unit from the remote controller and from central controls, once it has been selected. |
| | | | 01 | Function enabled | |
| b7 | Setting operation mode as cooling only<br>(Not available for models KPI-E4) | X | 00 | Function disabled<br>(factory setting) | This function is used to limit the operation mode to cooling only and to prevent heating mode from being enabled. |
| | | | 01 | Function enabled | |
| b8 | Automatic COOL/HEAT operation<br>(Not available for models KPI-E4) | X | 00 | Function disabled (factory setting) | This function enables the selection of Auto cool/heat operation mode. If the function is not activated, Auto cool/heat mode cannot be selected on the remote control switch. |
| | | | 01 | Function enabled | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| b9 | Locking of fan speed setting<br>(Not available for models KPI-E4) | X | 00 | Function disabled (factory setting) | This function prevents the modification of the fan speed of the unit from the remote controller and from central controls, once it has been selected. |
| | | | 01 | Function enabled | |
| bA | Not available | X | "- -" permanent | Not available | – |
| bb | Cooling setting temperature correction | O | 00 | No compensation (factory setting) | This function decreases the setting temperature and is used to produce longer cooling periods. |
| | | | 01 | Setting temperature decreased by 1ºC | |
| | | | 02 | Setting temperature decreased by 2ºC | |
| bC | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| bd | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| bE | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| C1 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| C2 | Not available | – | "- -" permanent | - | – |
| C3 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | Only for DX-Interface, KPI-E4E and KPI-X4E:<br>Fan stoppage delay | | 00 | Function disabled (factory setting) | This function keeps the fan in operation for 60 minutes after stop of the KPI unit or DX- Interface. |
| | | | 01 | 60 minutes | |
| C4 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| C5 | Static pressure selection<br>Models<br>RPI(L/H)-FSRE<br>RPI-FSN3(P)E(-f) | O | 00 | Standard static pressure (factory setting) | This function is used to change the static pressure of the RPI units from the remote control. |
| | | | 01 | High static pressure | |
| | | | 02 | Low static pressure | |
| | Increase of fan speed during normal operation (not during heating Thermo-OFF)<br>Models<br>RCI-FSR<br>RCIM-FSRE<br>RCD-FSR<br>RPC-FSR<br>RPK-FSR(H)M<br>RPF(I)-FSN2E | O | 00 | Standard (factory setting) | This function is used to change the fan speed of indoor units installed in high ceilings. |
| | | | 01 | Hi Speed 1 | |
| | | | 02 | Hi Speed 2 | |

| | Fan speed setting on the remote controller | | | |
|---|---|---|---|---|
| C5 | High H | High | Medium | Low |
| 0 | Hi2 | Hi | Me | Lo |
| 1 | Hi2 | Hi1 | Hi | Me |
| 2 | Hi2 | Hi2 | Hi1 | Hi |

(This function C5 is not available for DX-Interface models)

| | | | | | |
|---|---|---|---|---|---|
| C6 | Increase of fan speed at heating Thermo-OFF<br>(Not available for models KPI-E4 and KPI-X4E) | O | 00 | Function disabled (factory setting) | This function is used to increase the fan speed when the thermostat reaches the set temperature in heating according to the setting of function C5. |
| | | | 01 | Function enabled | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| C7 | Cancellation of forced compressor operation for at least 3 minutes | O | 00 | Function disabled (factory setting) | This function is available depending on the setting of function b3. |
| | | | 01 | Function enabled (Compressor operation during 3 minutes is no longer forced) | |
| | Only for KPI-E4E and KPI-X4E<br>$CO_2$ sensor enabled | | 00 | Sensor non enabled (factory setting) | Via 7-segments display set the option Ct (00: ON/OFF Sensor (Default); 01: 4-20mA 02: 0-10V) |
| | | | 01 | Sensor enabled/activated | |
| C8 (1) | Control by the temperature sensor of the remote control switch.(2)<br>**NOTE**<br>*The remote control switch shall be installed in a proper place for the correct detection of room temperature by its temperature sensor.* | O | 00 | Control by the air inlet sensor of indoor units (factory setting) | This function specifies the temperature sensor to be used as control sensor by the indoor unit. |
| | | | 01 | Control by the temperature sensor of the remote control switch | |
| | | | 02 | Control by the average value of the air inlet sensor of indoor units and the temperature sensor of the remote control switch<br>(Air inlet + Remote control switch)/2 | |
| | Control sensor when a remote sensor is connected to the THM4 connector in the indoor unit PCB.(3)<br>**NOTE**<br>*The remote sensor shall be installed in a proper place for the correct detection of room temperature.*<br>Model RPF(I)-FSN2E | O | 00, 01, 02 | When a remote temperature sensor is connected to THM4 on indoor unit main PCB, this remote temperature sensor is used as control sensor, whichever the setting for C8 (factory setting C8=00) | |
| | Control sensor when a remote sensor is connected to the THM4 connector in the indoor unit PCB.(3)<br>**NOTE**<br>*The remote sensor shall be installed in a proper place for the correct detection of room temperature.*<br>All indoor units except RPF(I)-FSN2E | | 00, 02 | Air temperature control using the average value of the air inlet thermistor and the remote controller sensor (factory setting C8=00)<br>(Air inlet + Remote sensor)/2 | |
| | | | 01 | Air temperature control using the remote sensor | |
| C9 | Not available | – | "- -" permanent | – | – |
| CA | Not available | – | "- -" permanent | – | – |
| Cb | Selection of forced stoppage logic | X | 00 | Forced stoppage input: A contact, normally open contact (factory setting) | This function determines the logic operation for the forced stoppage contacts. |
| | | | 01 | Forced stoppage input: B contact, normally closed contact | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| CC | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | Only for DX-Interface, KPI-E4E and KPI-X4E:<br>High ventilation speed | | 00 | Function disabled (factory setting) | This function sets the unit to run in high fan speed regardless the setting from remote control switch. |
| | | | 01 | Function enabled | |
| Cd | Stop of indoor unit fan during cooling Thermo-OFF conditions<br>**NOTE**<br>*For model RPI(L/H)-FSRE and RCD-FSR, this function is NOT available.* | O | 00 | Fan speed during cooling Thermo-OFF: Low (factory setting) | The operation of the indoor unit fan is stopped in cooling Thermo-OFF conditions when using the additional remote temperature sensor THM-R2AE (connected to THM4) or the PC-ARFG-E temperature sensor.<br>C8 must be set to 01 to use the Cd=01 setting. |
| | | | 01 | Indoor unit fan is stopped during cooling Thermo-OFF | |
| CE | Stop of indoor unit fan during heating Thermo-OFF conditions (with remote control switch temperature sensor) | O | 00 | Fan speed setting during heating Thermo-OFF: Low (factory setting) | The indoor unit uses the PC-ARFG-E temperature sensor to monitor the room temperature when the fan is stopped (heating Thermo-OFF fan stop sequence).<br>C8 must be set to 01 to use the CE=01 setting.<br>Control by remote temperature sensor connected to THM4 is not permitted (use E8 function in that case). |
| | | | 01 | Indoor unit fan is stopped during heating Thermo-OFF [4]<br>*(In case that automatic louver is set, the louvers will keep operating in both Thermo-ON and Thermo-OFF conditions)* | |
| CF | Modification of louver swing angle<br>Models:<br>RCI-FSR<br>RCIM-FSRE<br>RCD-FSR<br>RPC-FSR | O | 00 | Standard (7 steps) (factory setting) | This function adjusts the angle of the air outlet louver.<br>*(Changes to the setting of this function are applied after turning the power supply off and on again, or after the automatic louver has made a full cycle in automatic mode).* |
| | | | 01 | Cold draft prevention (5 steps)[5]<br>*(Cannot be set to the lower two steps; lower 2 steps cut off)* | |
| | | | 02 | High ceilings (5 steps) [5]<br>*(Cannot be set the upper two steps; upper 2 steps cut off)* | |
| | Models:<br>RPK-FSR(H)M | | 00 | Standard (7 steps) (5 steps for cooling / dry mode) | |
| | | | 01 | Cold draft prevention (5 steps for heating and fan only)<br>*(Cannot be set to the lower two steps, lower 2 steps cut off)* | |
| | | | 02 | Not used | |
| d1 | Management of indoor unit operation after a power supply cut off - option 1 | O | 00 | Function disabled (factory setting) | When power supply is restored, the indoor units controlled by the wired remote control switch are turned on regardless of their ON/OFF status at the time of the last power cut off. |
| | | | 01 | Function enabled | |
| d2 | Not available | – | "- -" permanent | – | – |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| d3 | Management of indoor unit operation after a power supply cut off - option 2 | O | 00 | Function disabled (factory setting) | When power supply is restored, the indoor units controlled by the wired remote control switch are turned on automatically ONLY if they were already ON at the time of the last power cut off.<br>If indoor units were OFF when power was turned OFF, they remain in OFF status when power is restored. |
| | | | 01 | Function enabled | |
| d4 | Not used | O | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| d5 | Prevention of low air outlet temperature in heating mode | O | 00 | Function disabled (factory setting) | This function prevents the occurrence of an excessively cold air flow in heating mode by decreasing the fan speed during heating operation, also taking into account the setting of function C5 |
| | | | 01 | Function enabled | |
| d6 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| d7 | Econofresh: Minimum opening angle of the outdoor air (OA) damper | O | 00 | 6º (factory setting) | This function is used to set the minimum opening angle of the damper for fresh outdoor air. |
| | | | 01 | 12º | |
| | | | 02 | 18º | |
| | | | 03 | 24º | |
| | | | 04 | 30º | |
| | | | 05 | 36º | |
| | | | 06 | 42º | |
| | | | 07 | 48º | |
| E1 | KPI: Ventilation mode | O | 00 | Automatic ventilation (factory setting) | This function allows the outdoor air damper to be opened in All Fresh operation mode. This mode allows the full opening of the outdoor air damper (according to the control system). |
| | | | 01 | Ventilation with total heat exchanger | |
| | | | 02 | Ventilation with bypass (no total heat exchange) | |
| | DX-Interface:<br>“A” Offset for Thermo-OFF in control by outlet for DX-Interface | | 00 | Disabled (factory setting) | |
| | | | 01 | 2ºC | |
| | | | 02 | 4ºC | |
| | Econofresh: cooling mode | | 00 | Standard process (factory setting) | This function allows the outdoor air damper to be opened in All Fresh operation mode. This mode allows to fully open the outdoor air damper (according to the control system). |
| | | | 01/02 | All Fresh | |
| E2 | KPI: Increase of air supply volume | O | 00 | Disabled function (factory setting) | This function is used to make the room pressure higher or lower than the surrounded room. One of the fans Increases its speed while the other runs according the remote controller.<br>Hi/Me/Lo change to Hi/Hi/Me. |
| | | | 01 | Enabled function | |
| | Econofresh enthalpy sensor | | 00 | Disabled function (factory setting) | This function selects the enthalpy sensor input for Econofresh. |
| | | | 01 | Enabled function | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| E3 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | Only for KPI-E4E and KPI-X4E:<br>Selection of the fan for function E2 | – | 00 | Activated for supply fan | This function selects which fan will increase the speed (when E2 enables this function). |
| | | | 01 | Activated for exhaust fan | |
| E4 | KPI: Pre-cooling / pre-heating period | O | 00 | Disabled (factory setting) | This function delays unit startup with energy recovery |
| | | | 01 | 30 minutes | |
| | | | 02 | 60 minutes | |
| | Econofresh: $CO_2$ sensor | | 00 | Disabled (factory setting) | This function selects the $CO_2$ gas sensor input for Econofresh. |
| | | | 01/02 | $CO_2$ sensor (required setting E1=00) | |
| E5 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | Only for DX-Interface, KPI-E4E and KPI-X4E:<br>High ventilation after switch ON | – | 00 | Disabled (factory setting) | This function forces that the unit will operate in high speed during 60 minutes after fan start. After this time the fan will be changed to setting value. |
| | | | 01 | 60 minutes | |
| E6 | Period of indoor fan operation after cooling operation stoppage | O | 00 | Disabled function (factory setting) | This function prevents the condensation in the unit by keeping the fan running after the unit operation has been turned OFF. |
| | | | 01 | 60 minutes | |
| | | | 02 | 120 minutes | |
| E7 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| E8 | Control for stop of the indoor unit fan during heating Thermo-OFF conditions (with remote sensor THM-R2AE connected to the THM4 connector in the indoor unit PCB) | O | 00 | Fan operation in Low speed | This function stops the fan to prevent cold draughts or overheating.<br>C8 must be set to 01 to use the E8=01 setting.<br>The connection of a THM- R2AE remote temperature sensor to the THM4 port in the indoor unit PCB is required. The remote sensor shall be installed in a proper place for the correct detection of room temperature.<br>(In case that automatic louver is set, the louver will keep operating in both Thermo- ON and Thermo- OFF condition) |
| | | | 01 | Fan stop in Thermo-OFF conditions. | |
| E9 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| EA | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| Eb | Indoor unit fan control during cooling Thermo-OFF conditions | O | 00 | Function disabled (factory setting) | This function decreases speed of the indoor unit fan during cooling Thermo-OFF, to reduce the spread of smells and humidity. |
| | | | 01 | Low | |
| | | | 02 | Slow | |
| EC | Forced Thermo-ON when stopping in cooling operation | O | 00 | Function disabled (factory setting) | This function is used to force Thermo-ON during 6 minutes when stopping in cooling operation. |
| | | | 01 | Enabled | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| Ed | Not used | O | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| EE | Control in “Automatic” indoor fan speed mode | O | 00 | Function disabled (factory setting) | This function limits the speed of the indoor fan when room temperature is close to the setting temperature. |
| | | | 01 | Enabled | |
| EF | Control in “Automatic” indoor fan speed mode (supporting High H)<br>Models:<br>RCI-FSR<br>RCIM-FSRE<br>RCD-FSR<br>RPC-FSR<br>RPI(L/H)-FSRE<br>RPI-FSN3(P)E(-f)<br>RPK-FSR(H)M | O | 00 | Function disabled | This function limits the speed of the indoor fan when room temperature is close to the setting temperature, allowing to reach High H speed. |
| | | | 01 | Function enabled | |
| F0 | Not available | – | “- -” permanent | – | – |
| F1 | Automatic OFF timer setting<br>Models:<br>RCI-FSR<br>RPC-FSR<br>RPK-FSRM<br>RPI(L/H)-FSRE<br>RCD-FSR<br>RCIM-FSRE<br>RPI-FSN3(P)E(-f) | X | 00 | Function disabled (Factory setting) | This function sets an automatic OFF timer to switch OFF the indoor units controlled by the remote control switch (when the units have been started by remote control).<br>*(Do not set the values "0C"-"0F" when two remote control switches are used in the same remote control group).* |
| | | | 01 | 1 hour | |
| | | | 02 | 2 hours | |
| | | | 03 | 3 hours | |
| | | | 04-24 | (04-24) hours | |
| | | | 0A | 30 minutes | |
| | | | 0B | 90 minutes | |
| | | | 0C | 40 minutes } Do not set these when two wired controllers are used. | |
| | | | 0D | 45 minutes | |
| | | | 0E | 50 minutes | |
| | | | 0F | 55 minutes | |
| | Automatic OFF timer setting<br>Models:<br>RPF(I)-FSN2E | X | 00 | Function disabled (Factory setting) | This function is used to set the automatic timer to switch off when the unit has been started by remote control. |
| | | | 01 | 1 hour | |
| | | | 02 | 2 hours | |
| | | | 03 | 3 hours | |
| | | | 04-24 | (04-24) hours | |
| | | | 0A | 30 minutes | |
| | | | 0B | 90 minutes | |
| F2 | Remote control primary-secondary setting | X | 00 | Primary (main remote control) (Factory setting) | This function is used to define which remote control switch is used as primary or secondary, when two remote controllers are connected to one indoor unit. |
| | | | 01 | Secondary (sub remote control) | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| F3 | Automatic reset of setting temperature[6] | X | 00 | Function disabled (Factory setting) | This function is used to limit unit operation and save energy.<br>The setting temperature is automatically set to the value defined with functions "F5" or "F6", according to the current operation mode, after the time set with function "F4" has passed since the last manual change of setting temperature.<br>In case that the values of “F5” or “F6” are out of the limits set with functions "FC" and "Fd", limitations set by "FC" and "Fd" have priority. |
| | | | 01 | Function enabled | |
| F4 | Automatic reset time | X | 00 | 30 minutes (factory setting) | This function sets the automatic reset time delay for function F3. |
| | | | 01 | 15 minutes | |
| | | | 02 | 60 minutes | |
| | | | 03 | 90 minutes | |
| F5 | Automatic reset temperature for cooling | X | 19 | 19ºC | This function defines the default temperature set point for the automatic reset function F3 in FAN/COOL/DRY modes. |
| | | | 20 | 20ºC | |
| | | | 21 | 21ºC | |
| | | | . . . | . . . | |
| | | | 24 | 24ºC | |
| | | | 25 | 25ºC (factory setting) | |
| | | | 26 | 26ºC | |
| | | | . . . | . . . | |
| | | | 28 | 28ºC | |
| | | | 29 | 29ºC | |
| | | | 30 | 30ºC | |
| F6 | Automatic reset temperature for heating | X | 17 | 17ºC | This function defines the default temperature set point for the automatic reset function F3 in HEAT mode. |
| | | | 18 | 18ºC | |
| | | | . . . | . . . | |
| | | | 20 | 20ºC | |
| | | | 21 | 21ºC (factory setting) | |
| | | | 25 | 25ºC | |
| | | | . . . | . . . | |
| | | | 28 | 28ºC | |
| | | | 29 | 29ºC | |
| | | | 30 | 30ºC | |
| F7 | Prevention of operation stoppage due to wrong operation of the remote controller | X | 00 | Function disabled (factory setting) | Operation is stopped by pressing the run/stop switch for 3 seconds. |
| | | | 01 | Function enabled | |
| F8 | Lock function for operation mode selection | X | 00 | Function disabled | This function is used to prevent changes to the operation mode. |
| | | | 01 | Function enabled (factory setting) | |
| F9 | Lock function for temperature setting | X | 00 | Function disabled | This function is used to prevent changes to the temperature setting. |
| | | | 01 | Function enabled (factory setting) | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| FA | Lock function for fan speed selection | X | 00 | Function disabled | This function is used to prevent changes to the fan speed. |
| | | | 01 | Function enabled (factory setting) | |
| Fb | Lock function for swing louver operation | X | 00 | Function disabled | This function is used to prevent changes to the automatic louver operation. |
| | | | 01 | Function enabled (factory setting) | |
| FC | Lower limit of setting temperature for cooling<br>(Minimum value of setting temperature allowed in cooling) | X | 00 | Function disabled<br>19ºC is the standard minimum set point (factory setting) | This function defines the lowest temperature setting value for FAN/COOL/DRY modes. |
| | | | 01 | +1ºC (Lower limit 20ºC) | |
| | | | 02 | +2ºC (Lower limit 21ºC) | |
| | | | 03 | +3ºC (Lower limit 22ºC) | |
| | | | . . . | . . . | |
| | | | 08 | +8ºC (Lower limit 27ºC) | |
| | | | 09 | +9ºC (Lower limit 28ºC) | |
| | | | 10 | +10ºC (Lower limit 29ºC) | |
| Fd | Upper limit of setting temperature for heating<br>(Maximum value of setting temperature allowed in heating) | X | 00 | Function disabled<br>30ºC is the standard maximum set point. (factory setting) | This function defines the highest temperature setting value for HEATING mode.<br><br>Models:<br>RPF(I)-FSN2E<br>up to 20ºC (FC=10) |
| | | | 01 | -1ºC (Upper limit 29ºC) | |
| | | | 02 | -2ºC (Upper limit 28ºC) | |
| | | | 03 | -3ºC (Upper limit 27ºC) | |
| | | | . . . | . . . | |
| | | | 10 | -10ºC (Upper limit 20ºC) | |
| | | | 11 | -11ºC (Upper limit 19ºC) | |
| | | | 12 | -12ºC (Upper limit 18ºC) | |
| FE | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| FF | Not Used | O | 00 | - | Use as 00 conditions |
| | | | 01 | | |
| H1 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| H2 | Indication of hot start<br>(No Indication of operation limitation) | X | 00 | Displayed | This function is used to display or hide the automatic control indication.<br><br>Models:<br>RPF(I)-FSN2E<br>Not available, use at 00 conditions |
| | | | 01 | Hidden | |
| H3 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 / 02 | | |
| H4 | Not Used | – | 00 | - | Use at 00 conditions |
| | | | 01 | - | |
| J1 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| J2 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| J3 | Colour of the run indicator | X | 00 | Green (factory setting) | – |
| | | | 01 | Red | |
| J4 | Override of Start/Stop prohibition at the remote controller | X | 00 | Start/Stop allowed (Factory setting) | When there is a remote control prohibition from a central control device, this function overrides this prohibition allowing the operation of the Run/Stop button of the remote control switch.<br>Models:<br>RPF(I)-FSN2E<br>Not used. Use at 00 conditions |
| | | | 01 | Start/Stop not allowed<br>⚠ **DANGER**<br>***Blocking of Start/Stop shall never be set due to safety concerns.*** | |
| | | | 02 | Only Stop allowed | |
| J5 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| J6 | Error Sound | X | 00 | Once | To produce a sound when unit is on alarm. |
| | | | 01 | Continuous | |
| J7 | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| J8 | Eco-operation [7] | X | 00 | Function disabled (factory setting) | When the unit is restarted by the remote control switch, the temperature automatically changes to the setting temperature of “F5” or “F6”.<br>Models:<br>RPF(I)-FSN2E<br>Not available, use at 00 conditions |
| | | | 01 | Function enabled | |
| J9 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| JA | Display of "Simple maintenance display" menu | O | 00 | Function disabled (factory setting) | Enables the “Simple maintenance display” menu.<br>Models:<br>RPF(I)-FSN2E<br>Not available, use at 00 conditions |
| | | | 01 | Function enabled | |
| Jb | Not used | – | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| Jc | Calibration of remote controller sensor | X | 00 | -0°C | Offset for the remote controller sensor |
| | | | 01 | -0.5°C | |
| | | | 02 | -1.0°C | |
| | | | 03 | -1.5°C | |
| | | | 04 | -2.0°C | |
| | | | 05 | -2.5°C | |
| | | | 06 | -3.0°C | |
| | | | 07 | -3.5°C | |
| | | | 08 | +0.5°C | |
| | | | 09 | +1.0°C | |
| | | | 10 | +1.5°C | |
| | | | 11 | +2.0°C | |
| | | | 12 | +2.5°C | |
| | | | 13 | +3.0°C | |
| | | | 14 | +3.5°C | |
| | | | 15 | -0°C | |
| K1 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| K2 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| K3 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| K4 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| | | | 03 | | |
| K5 | Detection level of the motion sensor kit | O | 00 | Standard (factory setting) | Models:<br>RPF(I)-FSN2E<br>Not available, use at 00 conditions.<br>This parameter defines the sensitiveness of the motion sensor. The amount of activity in the room is assessed according to a different scale based on this setting.<br>Detailed information about the operation of the motion sensor can be found in the technical documentation of the indoor units. |
| | | | 01 | High | |
| | | | 02 | Low | |
| K6 | Selection of allowed operation modes when the control sensor of the indoor unit is set by C8 function | O | 00 | All modes allowed | This function is used to select the operation modes in which the setting of C8 (use of remote control switch sensor or remote sensor on THM4 to control the indoor unit) is enabled. |
| | | | 01 | Only cooling/dry allowed | |
| | | | 02 | Only heating allowed | |
| | | | 03 | All modes allowed | |
| K7 | Radiation Temperature Sensor Calibration | O | 00 | Normal | Only available for units with radiant sensor |
| | | | 01 | Upper | |
| | | | 02 | Lower | |
| | | | 03 | Normal | |
| K8 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| K9 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| KA | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| L1 | Setting Position of Motion Sensor | ○ | 00 | A | - |
| | | | 01 | B | |
| | | | 02 | - | |
| | | | 03 | D | |
| L2 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| | | | 03 | | |
| L3 | Operation of the louvers in energy-saving Thermo- OFF (Cooling / Dry mode) | O | 00 | Direct air blow Low (factory setting) | Power save must be ON in order to use this function (L5 must be set to 01).<br>This function is used to establish louver swinging operation ranging from continuous swing to static operation.<br>Low: Continuous louver swing.<br>Medium: Louver swing with intermittent stops for 20/40 seconds.<br>High: Louver stopped at full opening position, according to the setting of CF. |
| | | | 01 | Direct air blow Medium | |
| | | | 02 | Direct air blow High | |
| | | | 03 | Disabled | |
| L4 | Fan acceleration in energy-saving Thermo- OFF (cooling mode) | O | 00 | Function disabled (factory setting) | This function increases fan speed by one step to prevent the loss of comfort due to the forced Thermo- OFF for energy saving during cooling operation. |
| | | | 01 | Function enabled | |
| L5 | Louver swing operation during energy-saving forced Thermo-OFF | O | 00 | Function disabled (factory setting) | This function is used to enabled the setting of function L3. |
| | | | 01 | Function enabled | |
| L6 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| L7 | Not available | – | “- -” permanent | – | – |
| L8 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| L9 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| LA | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| Lb | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| P1 | Setting temperature in 0.5ºC steps | X | 00 | Enabled (0.5ºC steps) (factory setting) | This function is used to define whether setting temperature is adjusted in 0.5ºC steps (when set to “00”) or in 1ºC steps (when set to “01”).<br>This setting also determines whether the resolution of temperature differential of the thermistor is 0.5ºC (when set to “00”) or 1ºC (when set to “01”). |
| | | | 01 | Disabled (1ºC steps) | |
| P2 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| P3 | Temperature sensor displayed | X | 00 | Inlet air thermistor (Tin) | This function is used to select the thermistor whose temperature is shown when function P4 is set to 01. |
| | | | 01 | Outdoor air thermistor (Tout) | |
| | | | 02 | Remote controller sensor (RCS) | |
| | | | 03 | Remote temperature sensor (connected to THM4 on indoor unit main PCB) (THM4) | |
| P4 | Display of sensor temperature | X | 00 | Hidden | This function is used to display the temperature of the sensor selected with function P3. |
| | | | 01 | Shown | |
| P5 | Display of setting temperature when operation mode is Fan | X | 00 | Shown | This function is used to hide the display of setting temperature during operation in fan mode. |
| | | | 01 | Hidden | |
| P6 | Not available | – | “- -” permanent | – | – |
| P7 | Prohibition of menu screen transition | X | 00 | Function disabled (factory setting) | This function is used to prohibit the access to the menu screens.<br>The text "Display disabled" appears on screen instead. |
| | | | 01 | Function enabled | |
| P8 | Display of Maintenance Explanation | X | 00 | Available | This function is used to display the maintenance explanation on the screen when a maintenance sign is shown. |
| | | | 01 | Not Available | |
| P9 | Display of Alarm Explanation | X | 00 | Available | This function is used to display the alarm explanation on the screen when an alarm occurs. |
| | | | 01 | Not Available | |
| PA | Daylight saving time | X | 00 | 1 hour | This function is used to set the amount of adjustment when daylight saving time is applied. |
| | | | 01 | 2 hours | |
| Pb | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| PC | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| q1 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| q2 | Not used | - | - | - | Not used |
| q3 | Not used | - | - | - | Not used |
| q4 | Not used | - | - | - | Not used |
| q5 | Not used | - | - | - | Not used |
| q6 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| q7 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| q8 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| q9 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| qA | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| qb | Operation mode with setback | X | 00 | Disabled | Operation modes in which setback operation is activated to keep a minimum comfort in the room while it is not occupied. |
| | | | 01 | Cooling | |
| | | | 02 | Heating | |
| | | | 03 | Cooling/Heating | |
| qC | Temperature differential for the setback function | X | 00 | 2.0ºC | Target temperatures for both cooling and heating operation are determined versus a temperature to start setback operation (rE, rF)<br>Target temperature calculation:<br>Target temperature in cooling mode: rF - qC (°C)<br>Target temperature in heating mode: rE + qC (°C) |
| | | | 01 | 3.0ºC | |
| | | | 02 | 4.0ºC | |
| | | | 03 | 5.0ºC | |
| | | | 04 | 1.0ºC | |
| qd | Minimum stop time of setback | X | 00 | 10 minutes | To avoid the frequent activation of setback operation, a minimum off-time shall pass from the end of setback operation until the beginning of the following setback operation.<br>Even if room temperature reaches the setpoint to start setback operation, setback operation does not start until the minimum off-time has expired. |
| | | | 01 | 20 minutes | |
| | | | 02 | 30 minutes | |
| | | | 03 | 40 minutes | |
| | | | 04 | 50 minutes | |
| | | | 05 | 60 minutes | |
| | | | 06 | 70 minutes | |
| | | | 07 | 80 minutes | |
| | | | 08 | 90 minutes | |
| | | | 09 | 100 minutes | |
| | | | 10 | 110 minutes | |
| | | | 11 | 120 minutes | |
| qE | Setback mode | X | 00 | Always | When selecting “01: Input”, it is necessary to set up one input contact (i1 or i2) with the setback function “09”. This operation has to be done in the input/output setting menu of the remote controller.<br>When selecting “02: Schedule” or “03: Manual”, additional settings are required. |
| | | | 01 | Input | |
| | | | 02 | Schedule | |
| | | | 03 | Manual | |
| qF | Operation state after the end of setback operation | X | 00 | Stop | Operation state to switch to upon the end of setback duration. |
| | | | 01 | Run | |
| | | | 02 | Operation state before the beginning of setback | |
| r1 | Dual setpoint | X | 00 | Function disabled (factory setting) | This function allows the setting of independent setpoints for cooling and heating in the automatic cooling/heating mode. |
| | | | 01 | Function enabled | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| r2 | Setting of temperature differential for switching cooling and heating | X | 0.5 | 0.5ºC | This function can only be set when function r1 is set to 01. |
| | | | 1.0 | 1.0ºC | |
| | | | 1.5 | 1.5ºC | |
| | | | 2.0 | 2.0ºC | |
| | | | 2.5 | 2.5ºC | |
| | | | 3.0 | 3.0ºC | |
| r3 | Not used | - | 0.5 | - | Not used |
| | | | 1.0 | | |
| | | | 1.5 | | |
| | | | 2.0 | | |
| | | | 2.5 | | |
| | | | 3.0 | | |
| | | | 3.5 | | |
| | | | 4.0 | | |
| | | | 4.5 | | |
| | | | 5.0 | | |
| | | | 5.5 | | |
| r4 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| r5 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| r6 | FrostWash Manual Setting | X | 00 | Allow | To enable / disable the manual setting of the FrostWash function. |
| | | | 01 | Prohibit | |
| r7 | FrostWash Automatic Setting | X | 00 | Allow | To enable / disable the automatic setting of the FrostWash function. |
| | | | 01 | Prohibit | |
| r8 | Enable/Disable Auto-FrostWash | X | 00 | Disable | To enable / disable FrostWash function. |
| | | | 01 | Enable | |
| r9 | Remote control prohibition during setback operation | X | 00 | Start/Stop allowed (Factory setting) | Manual run/stop from the remote controller can be disabled during setback operation.<br>This function is fixed to 00 (Disabled) when function qE is set to 00 (Always). |
| | | | 01 | Start/Stop not allowed<br>⚠ **DANGER**<br>***Blocking of Start/Stop shall never be set due to safety concerns.*** | |
| | | | 02 | Only Stop allowed | |
| rA | FrostWash Intervals Setting | × | 00 | 100h | This function is used to define the intervals between FrostWash operation. |
| | | | 01 | 200h | |
| | | | 02 | 400h | |
| | | | 03 | 50h | |
| rb | Minimum operation time to allow the change of operation mode in auto cooling/heating mode with dual set point | X | 00 | Disabled | This function is used to define a minimum time of operation in a given mode, in order to avoid too frequent changes of operation mode.<br>Operation mode does not change until the minimum transition time passes, even if the room temperature reaches the setpoint to shift to the other operation mode. |
| | | | 01 | 10 minutes | |
| | | | 02 | 20 minutes | |
| | | | 03 | 30 minutes | |
| | | | 04 | 40 minutes | |
| | | | 05 | 50 minutes | |
| | | | 06 | 60 minutes | |
| | | | 07 | 70 minutes | |
| | | | 08 | 80 minutes | |
| | | | 09 | 90 minutes | |
| | | | 10 | 100 minutes | |
| | | | 11 | 110 minutes | |
| | | | 12 | 120 minutes | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| rC | Maximum outdoor temperature to allow operation mode switch to heating in auto cooling/ heating with dual set point | X | 00 | Disabled | If outdoor ambient temperature is higher than rC, there is no mode transition to heating in automatic cooling/heating operation mode, even if room temperature reaches the setpoint to switch operation mode from cooling to heating. |
| | | | 01 | 20.0ºC | |
| | | | 02 | 21.0ºC | |
| | | | 03 | 22.0ºC | |
| | | | . . . | . . . | |
| | | | 21 | 40.0ºC | |
| | | | 22 | 0.0ºC | |
| | | | 23 | 1.0ºC | |
| | | | 24 | 2.0ºC | |
| | | | . . . | . . . | |
| | | | 41 | 19.0ºC | |
| rd | Minimum outdoor temperature to allow operation mode switch to cooling in auto cooling/ heating with dual set point | X | 00 | Disabled | If outdoor ambient temperature is lower than rd, there is no mode transition to cooling in automatic cooling/heating operation mode, even if room temperature reaches the setpoint to switch operation mode from heating to cooling. |
| | | | 01 | 10.0ºC | |
| | | | 02 | 11.0ºC | |
| | | | 03 | 12.0ºC | |
| | | | . . . | . . . | |
| | | | 31 | 40.0ºC | |
| | | | 32 | -20.0ºC | |
| | | | 33 | -19.0ºC | |
| | | | 34 | -18.0ºC | |
| | | | . . . | . . . | |
| | | | 61 | 9.0ºC | |
| rE | Temperature for the beginning of heating in setback | X | 00 | 15.0ºC | If room temperature becomes lower than this setting, indoor unit operation is resumed in heating mode by the setback function. |
| | | | 01 | 16.0ºC | |
| | | | 02 | 17.0ºC | |
| | | | 03 | 18.0ºC | |
| | | | 04 | 19.0ºC | |
| | | | 05 | 10.0ºC | |
| | | | 06 | 11.0ºC | |
| | | | 07 | 12.0ºC | |
| | | | 08 | 13.0ºC | |
| | | | 09 | 14.0ºC | |
| rF | Temperature for the beginning of cooling in setback | X | 00 | 26.0ºC | If room temperature becomes higher than this setting, indoor unit operation is resumed in cooling mode by the setback function. |
| | | | 01 | 27.0ºC | |
| | | | 02 | 28.0ºC | |
| | | | 03 | 29.0ºC | |
| | | | 04 | 30.0ºC | |
| | | | 05 | 31.0ºC | |
| | | | 06 | 32.0ºC | |
| | | | 07 | 33.0ºC | |
| | | | 08 | 34.0ºC | |
| | | | 09 | 35.0ºC | |
| | | | 10 | 25.0ºC | |
| S1 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| S2 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| S3 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |

| Element | Optional function | Individual setting | Settings | Setting conditions | Description |
|---|---|---|---|---|---|
| S4 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| S5 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| S6 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| S7 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| | | | 03 | | |
| | | | 04 | | |
| | | | 05 | | |
| | | | 06 | | |
| | | | 07 | | |
| S8 | Not used | - | 00 | - | Use at 00 conditions |
| | | | 01 | | |
| | | | 02 | | |
| | | | 03 | | |
| | | | 04 | | |
| | | | 05 | | |
| | | | 06 | | |
| | | | 07 | | |
| | | | 08 | | |
| | | | 09 | | |
| | | | 10 | | |
| | | | 11 | | |
| | | | 12 | | |
| | | | 13 | | |
| | | | 14 | | |
| | | | 15 | | |

## NOTE

- *O: allows for individual setting.*
- *X: the setting is made for all outdoor units.*
- *–: not used.*
- *(1) When J1 is set as activated function, the room temperature indication is the sensor value set at “C8”.*
- *(2) The Remote Control Switch shall be installed in a proper place for the correct detection of room temperature by its temperature sensor.*
- *(3) The Remote Sensor shall be installed in a proper place for the correct detection of room temperature.*
- *(4) In case that automatic louver is set, the louver will keep operating in both thermo-ON and thermo-OFF condition.*
- *(5) 00 standard (7-step operation); 01 draft prevention (cannot be set to the lower two steps); 02 High ceilings (cannot be set the upper two steps).*
- *(6) In case that the set temperature is changed and kept within the set time at “F4”, the temperature is automatically changed to “F5” and “F6”. In case that the set temperature is out of range at “F5” and “F6”, it is applied within upper and lower limit for the set temperature.*
- *(7) When the unit is restarted by the remote control switch, the temperature automatically changes to the setting temperature of “F5” or “F6”.*

## NOTE

- *On modifying the ”CF” (air outlet louver angle change) setting, restore the power supply or allow the automatic louver to make a full cycle in automatic mode to apply the optional setting.*
- *The changes to the optional function settings must be done after 3 minutes have passed after startup.*
- *It is recommended to keep track of the changes made to optional function settings, for further reference.*
- *The optional settings are different according to the indoor and outdoor unit models. Check to ensure that the unit has the optional setting or not.*
- *The optional functions with “X” mark at the individual setting column can change the condition only when “All Rooms” is set.*
- *The following optional functions are disable when RPI Unit with Econofresh are installed: b7, bA, bd, bE, C1, C2, C3, C9, CA, Cd, CF, d6, E3, E5, E7, E9, EA, FE, FF, H1, H3, H4, J2, J4, J7, J8, J9, JA, JB, K1, K2, K3, K4, K5.*

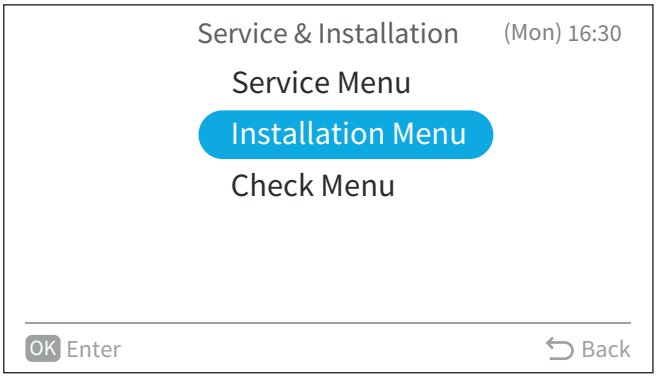
### 6.1.3 Thermistor Selection

This function is used to control the indoor temperature using remote controller sensor instead of Inlet Air Thermistor in the indoor unit.

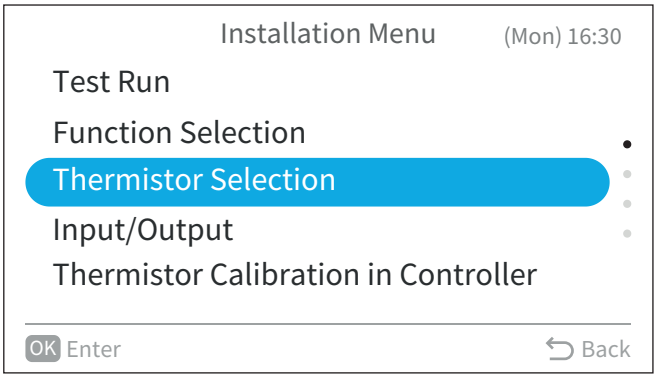
**NOTE**

- *Even if remote controller sensor controls the indoor temperature, the temperature of Inlet Air Thermistor in the indoor unit is used for the protection control such as frost prevention related to Inlet Air Thermistor.*
- *When remote controller sensor controls the indoor temperature and the abnormal temperature is detected due to a failure such as a malfunction of remote controller sensor, the control automatically switches to Inlet Air Thermistor in the indoor unit.*
- *To use remote controller sensor, install the wired remote controller where:*
  - *The average room temperature can be detected.*
  - *The remote controller is not exposed to direct sunshine or direct light.*
  - *The unit is not close proximity to a heat source.*
  - *The wired remote controller is not affected by the outside air due to opening or closing the door and so forth.*
- *If two wired remote controllers are used as the main and sub, only remote controller sensor of the main remote controller is available.*
- *This function is not effective when using the remote temperature sensor (connected to THM4 on indoor unit main PCB). The remote temperature sensor is prioritized excluding outside air processing air conditioners.*

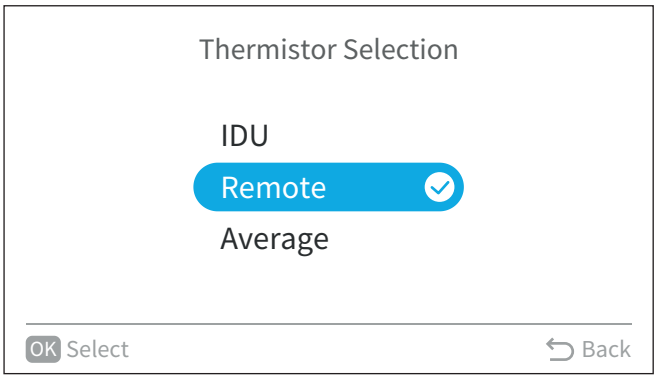
**1** Select “Installation Menu” on the Service & Installation screen and press “OK”.




**2** Select “Thermistor Selection” setting and press “OK”.




**3** If “^” or “v” is pressed, the setting items are selected in the following order: “IDU” ↔ “Remote” ↔ “Average”. Select the setting item and press “OK” to confirm the setting.




Select:

- “Remote” to control the indoor unit with the remote controller sensor.
- “IDU” to control the unit with its air inlet sensor.
- “Average” to control the unit with the average value of the air inlet sensor and the remote controller sensor.

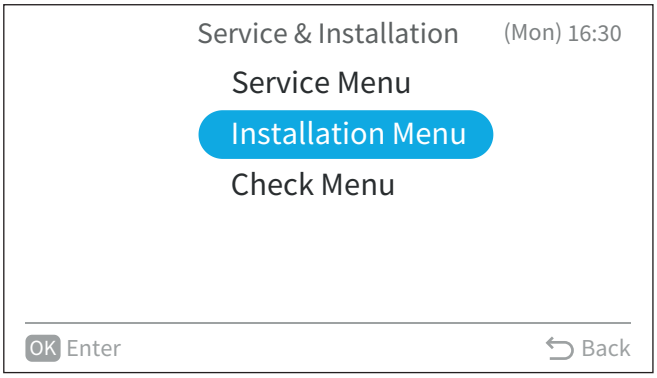
**NOTE**

*This setting and C8 setting in function selection menu have the same impact. Setting a value in the thermistor selection menu automatically updates the value of the value of parameter C8 in the function selection menu and vice versa (refer to element C8 at “Table A. Optional Setting Items for Function Selection” for details).*

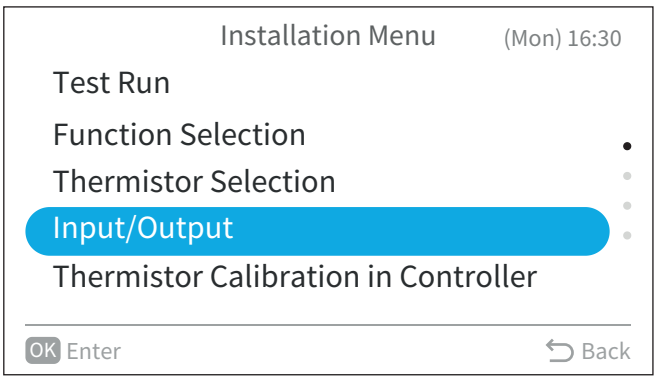
**4** Press “⮌” to return to the “Installation Menu”screen.

### 6.1.4 Input / Output Setting

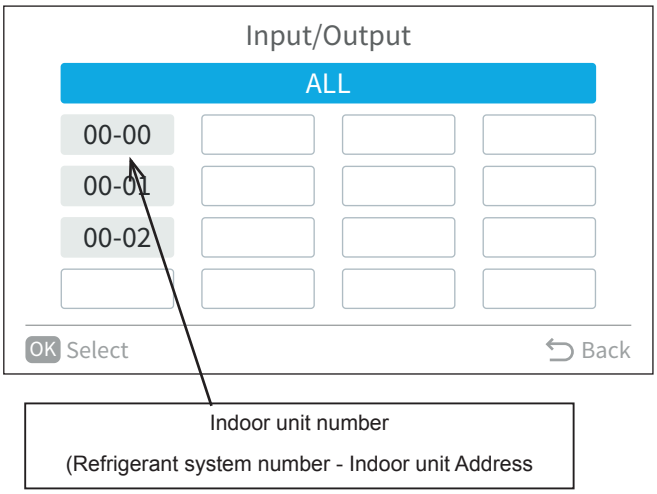
1 Select “Installation Menu” on the Service & Installation screen and press “OK”.




2 Select “Input/Output” setting and press “OK”.

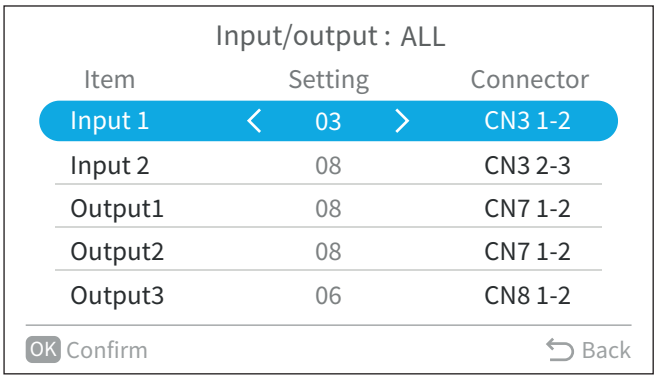



3 Select the indoor unit by pressing “^”, “v”, “<”, or “>” and press “OK”.
This screen is NOT displayed when only one indoor unit is connected with the controller. In this case, “Step4” is displayed.



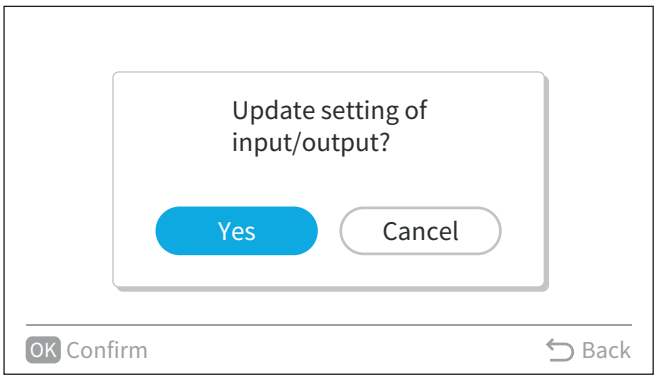

4 Press “^” or “v” to select the item.

5 Press “<” or “>” to change the setting.




6 Press “OK” and the confirmation screen is displayed.

7 Select “Yes” and press “OK” to confirm the setting and the screen returns to Step2.
If “Cancel” is selected, the setting is cancelled and the screen returns to Step2.
If there is more than one indoor units connected to the remote controller, the screen returns to Step3.
Press “⮌” to return to Step4.



## ◆ Input and Output Number Display and Connectors

| Input Number Display | Port | Factory Setting | | Setting |
|---|---|---|---|---|
| Input/Output Indication | | Setting Item | Indication | |
| Input 1 | CN3 1-2 | Remote ON/OFF 1 (Level) | 03 | |
| Input 2 | CN3 2-3 | Prohibiting Remote Control after Manual Stoppage | 06 | |
| Output 1 | CN7 1-2 | Operation | 01 | |
| Output 2 | CN7 1-3 | Alarm | 02 | |
| Output 3 | CN8 1-2 | Thermo-ON for Heating | 06 | |

## ◆ Input and Output Settings and Display Codes

| Code Indicated | Input | Output |
|---|---|---|
| 00 | Not set | Not set |
| 01 | Room Thermostat (for Cooling) | Operation |
| 02 | Room Thermostat (for Heating) | Alarm |
| 03 | Remote ON/OFF 1 (Level) | Cooling |
| 04 | Remote ON/OFF 2 (Operation) | Thermo-ON for Cooling |
| 05 | Remote ON/OFF 2 (Stoppage) | Heating |
| 06 | Forbidding Remote Control after Manual Stoppage | Thermo-ON for Heating |
| 07 | Remote Cooling / Heating Change | Not set |
| 09 | Setback Operation | |

**NOTE**

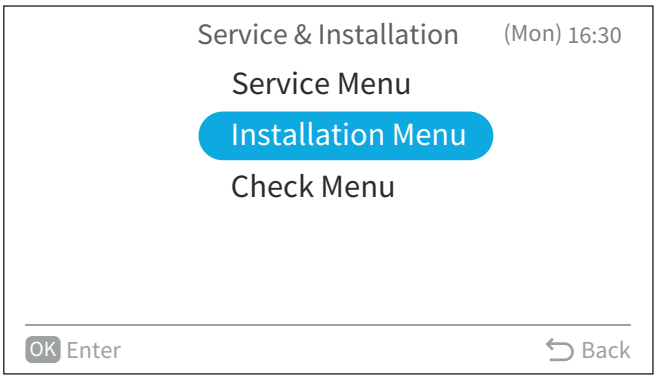
- *Change the optional setting after waiting at least three minutes elapsed time after start-up.*
- *Do not set the elevating grille for the total heat exchanger.*
- *Record the setting conditions for each input and output in the “Setting” column of the table.*

### 6.1.5 Thermistor Calibration in Controller

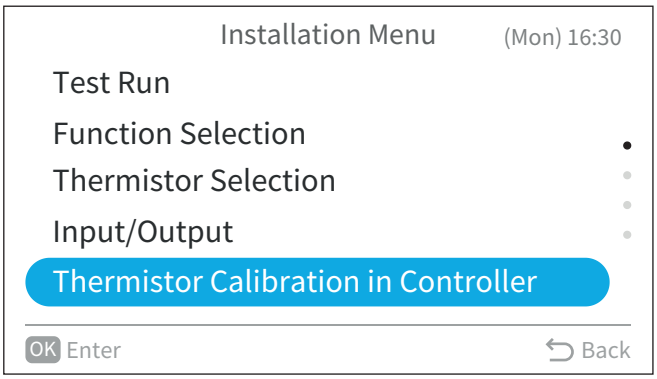
This function is used to calibrate the temperature sensor embedded into the wired remote controller

The temperature compensation value can be set in 0.5°C increments within a range of ±3.5°C.

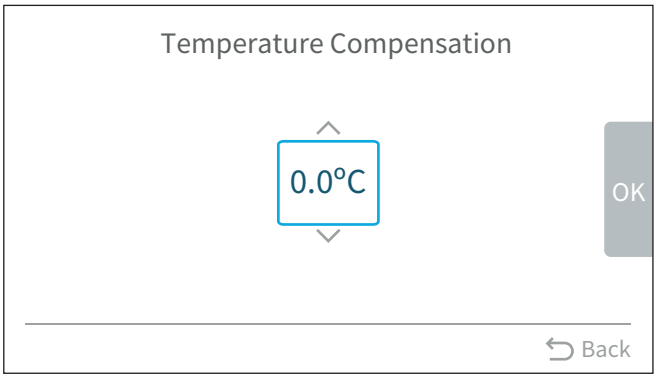
1 Select “Installation Menu” on the Service & Installation screen and press “OK”.




2 Select “Thermistor Calibration in Controller” setting and press “OK”.




3 Select the temperature compensation value by pressing “^”, “v” and press “OK”.

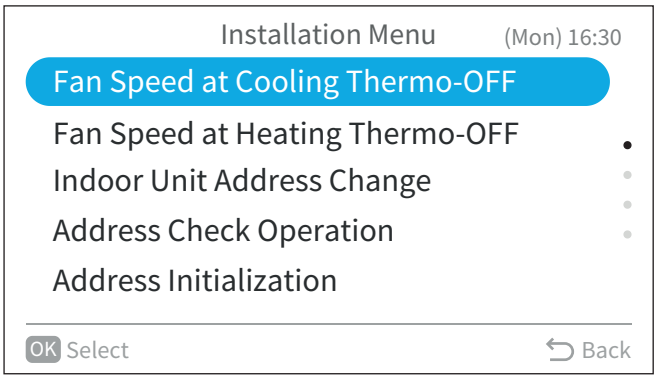



4 Press “<” or “>” to select “OK “. Press “OK”, the screen returns to the “Installation Menu”.

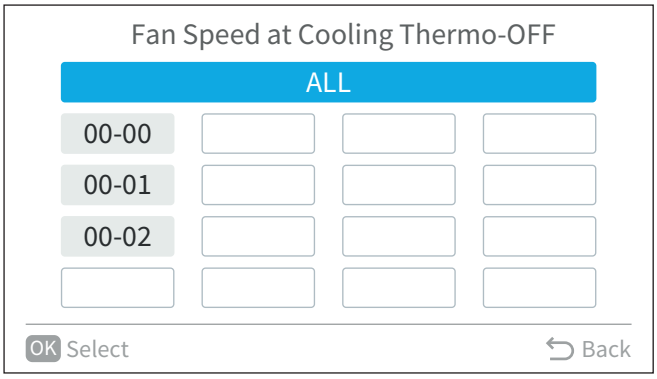
### 6.1.6 Fan Speed at Cooling Thermo-OFF

This function is used to set the fan speed of the indoor unit at Cooling Thermo-OFF.

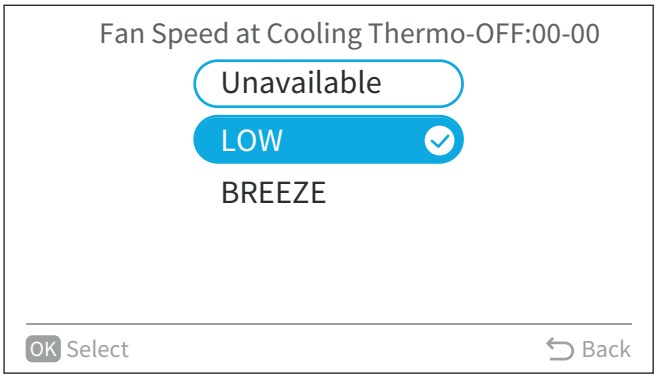
1 Select “Fan Speed at Cooling Thermo-OFF”on the “Installation Menu” screen and press “OK”.




2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the Step3 screen is shown).




3 If “^” or “v” is pressed, the fan speed is selected in the following order: “Unavailable” ↔ “Low” ↔ “BREEZE”. Select the fan speed and press “OK” to confirm the setting.




4 Press“⮌” to return to the “Installation Menu” screen.

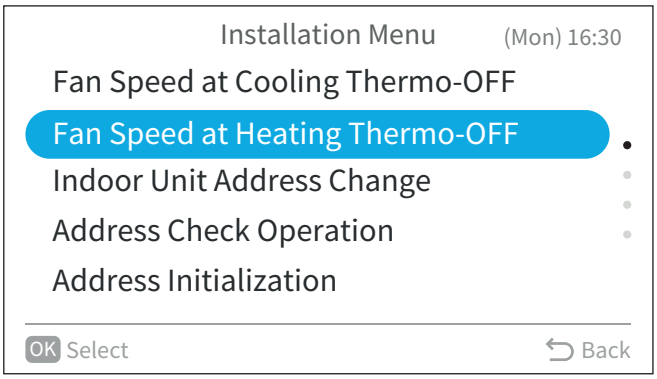
**NOTE**

- *This menu is a shortcut to set the optional function setting Eb*
- *This menu is not allowing to stop the fan during Cooling Thermo OFF. Refer to the optional function parameters Cd for such option.*

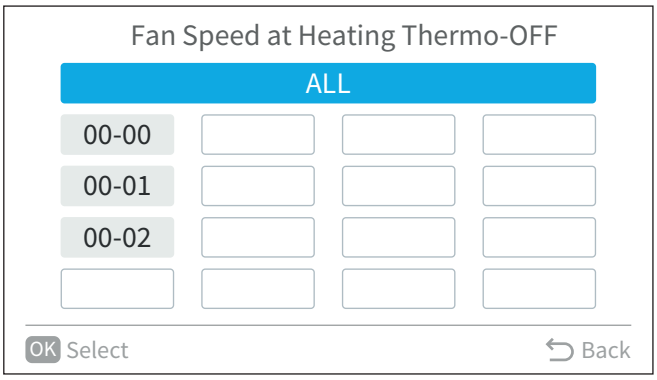
### 6.1.7 Fan Speed at Heating Thermo-OFF

This function is used to set the fan speed of the indoor unit at Heating Thermo-OFF.

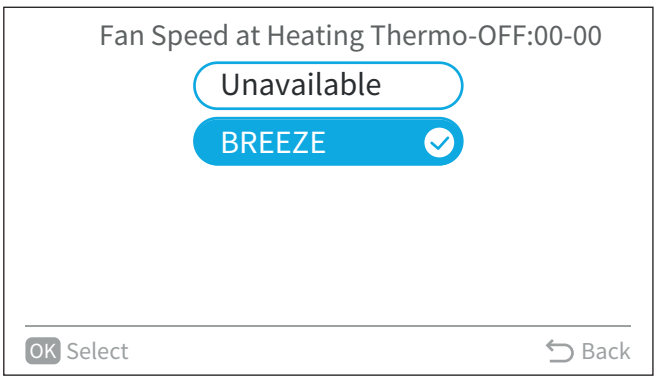
1 Select “Fan Speed at Heating Thermo-OFF”on the “Installation Menu” screen and press “OK”.




2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the Step3 screen is shown).




3 If “^” or “v” is pressed, the fan speed is selected in the following order: “Unavailable” ↔ “BREEZE”. Select the fan speed and press “OK” to confirm the setting.




4 Press“⮌” to return to the “Installation Menu” screen.

**NOTE**

- *This menu is a shortcut to set the optional function setting E8, with no remote temperature sensor (connected to THM4 on indoor unit main PCB).*
- *This menu is not allowing to stop the fan during Heating Thermo OFF. Refer to the optional function parameters E8 or CE to get more control options.*

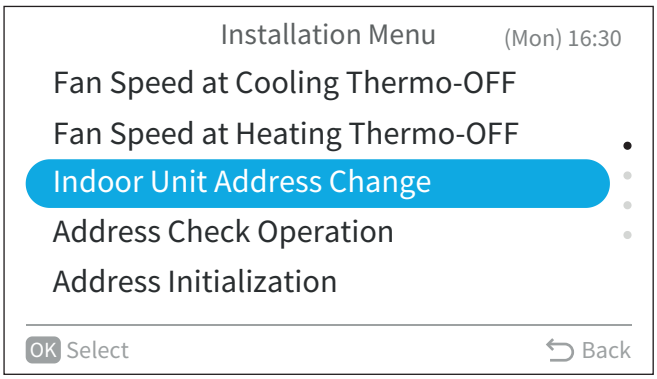
### 6.1.8 Indoor Unit Address Change

This function is used to change the indoor unit address.

**NOTE**

- *Refrigerant system “99” is used to temporarily save the address when the refrigerant system number or address number of the indoor unit are all used (there is no vacant space).*
- *After setting Refrigerant System “99”, be sure to change the address within the normal range.*

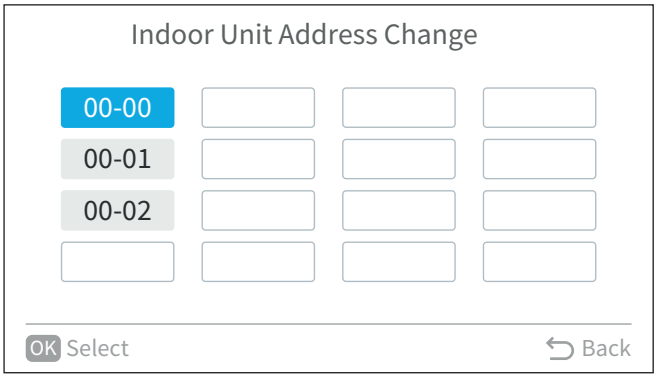
1 Select “Indoor Unit Address Change”on the “Installation Menu” screen and press “OK”.




2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”.

**NOTE**

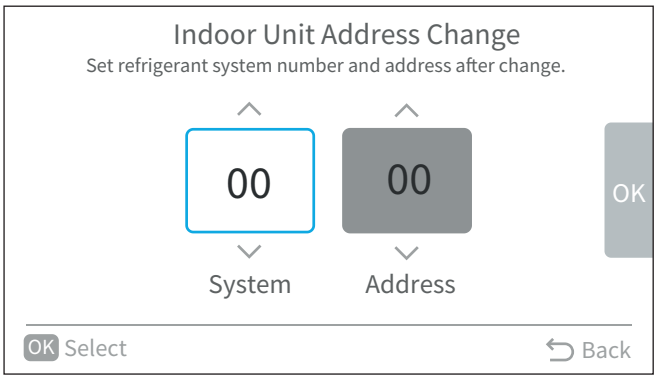
*Only the indoor units compatible with the indoor unit address change function can be selected.*



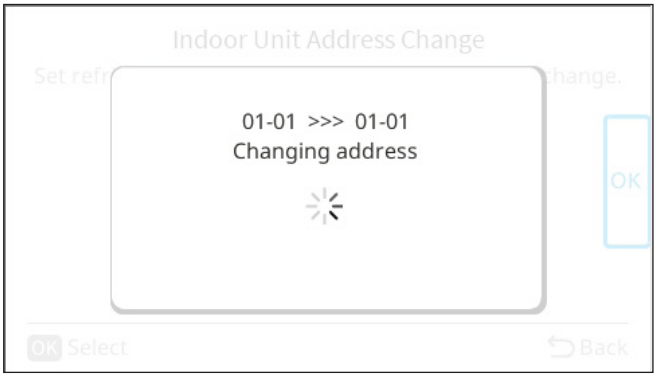

3 Select the changed address.

4 Press the “^” or “v” to switch the refrigerant system number within the range of 00 to 63,99. Then switch address number within the range of 00 to 63.

5 Select “OK “, then press “OK”.

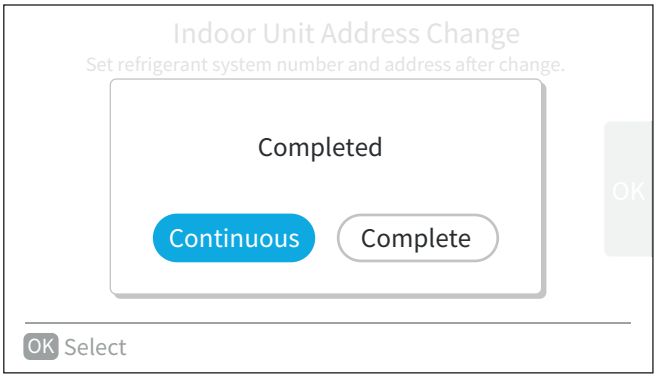


6 Press "⮌" and select "Yes". The address change processing starts. The result is displayed after a few seconds.




If the address is changed successfully, the word "Completed" is displayed. Otherwise, the process may have failed. Verify the settings.

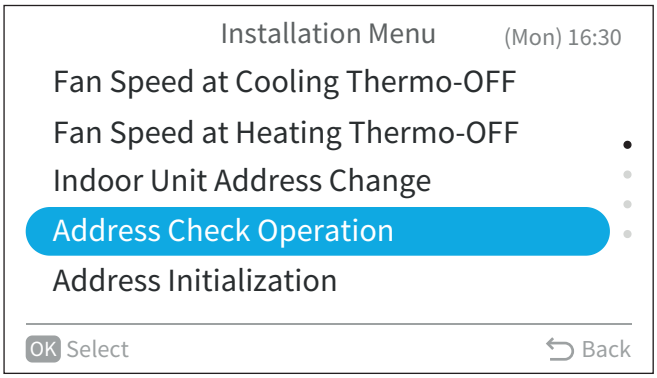
7 When changing multiple indoor units' address, select "Continuous" and press "OK". When finishing, select "Complete" and press "OK".



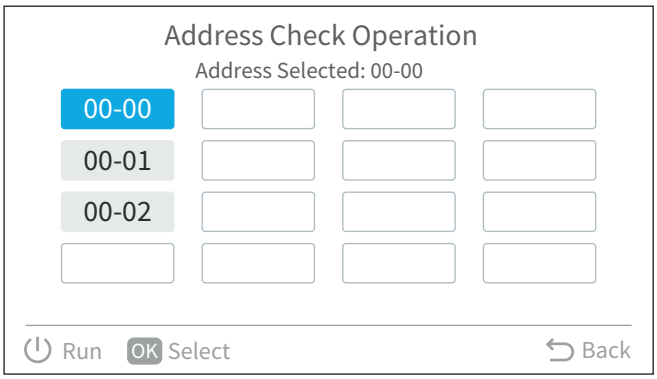

### 6.1.9 Address Check Operation

This function allows the user to check the addresses of indoor units when several units are controlled from the same wired remote controller. Using this function, the user can operate individually each indoor unit after having selected a specific unit address.

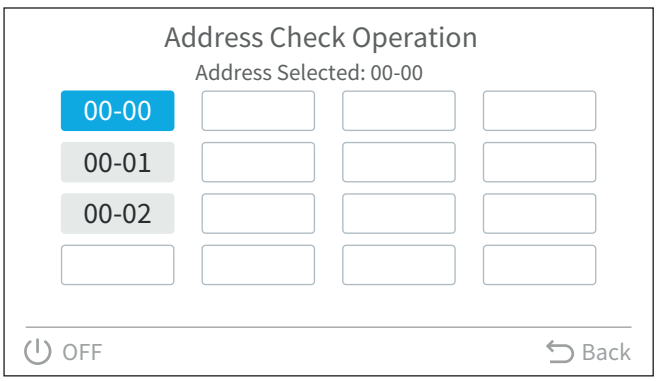
1 Select "Address Check Operation"on the "Installation Menu" screen and press "OK".




2 Press "^", "v", "<" or ">" to select the indoor unit. Press "OK".




3 Once the indoor unit is selected, press the "⏻" button to operate the unit. Check that the selected address is matching with the desired indoor unit on the installation. Once done, press again the "⏻" button to stop the unit. Select another unit and repeat this sequence if necessary.




4 When the air conditioner is OFF, press "⮌", the screen returns to the "Installation Menu" screen.

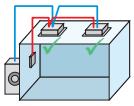
### 6.1.10 Address Initialization

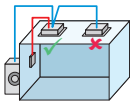
This function can be used to initialize the indoor units addresses, cancelling the settings done with the “Indoor Unit Address Change” function.

Using this function, the indoor units addresses will be restored as the addresses set physically on the indoor units PCB by DSW setting. In case DSW settings have not been done, temporary automatic addresses will be attributed to the units.

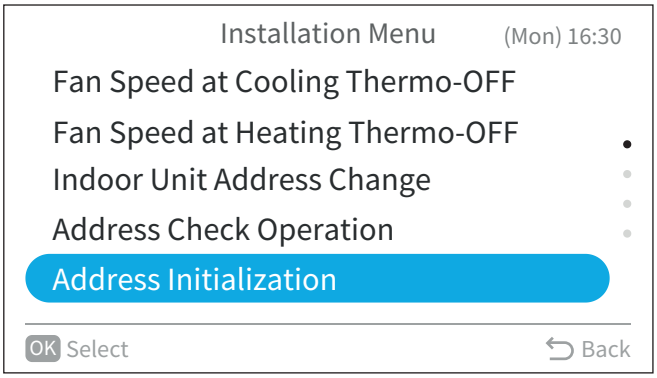
**NOTE**

- *After the indoor address is initialized, turn off the power of the indoor unit. After all indicators on the remote controller are OFF, turn ON the power of the indoor unit again.*
- *Address initialization cannot be performed for indoor units that are not connected physically to the remote controller through the A/B terminals (remote controller without remote control line).*

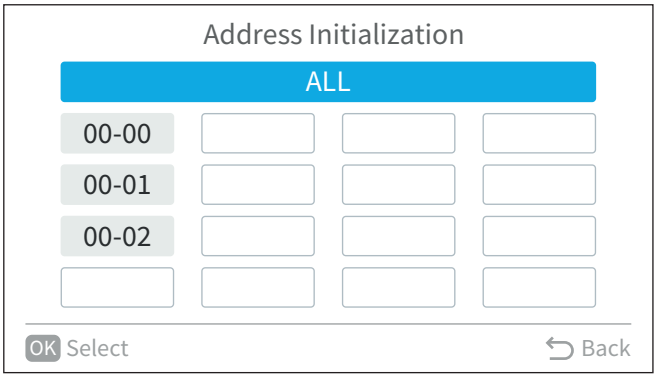




1 Select “Address Initialization”on the “Installation Menu” screen and press “OK”.



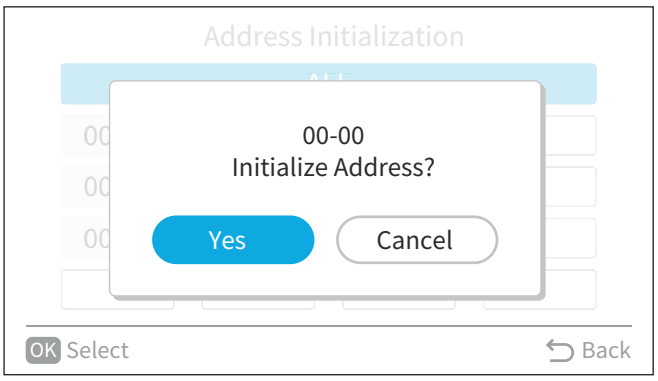

2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”.




**NOTE**

- *Only the indoor units compatible with “Address initialization” function can be selected.*
- *Even if “All” is selected, the address of the indoor unit that does not support the Address Initialization function cannot be initialized.*

3 Select “Yes” and press “OK”. The address initialization processing starts.




**NOTE**

*When the indoor unit address is changed successfully, connection checking process starts.*

4 Select “Complete” and press “OK”.




5 Step5. To initialize another indoor unit address, select “Continue” and press “OK” to return to Step2.

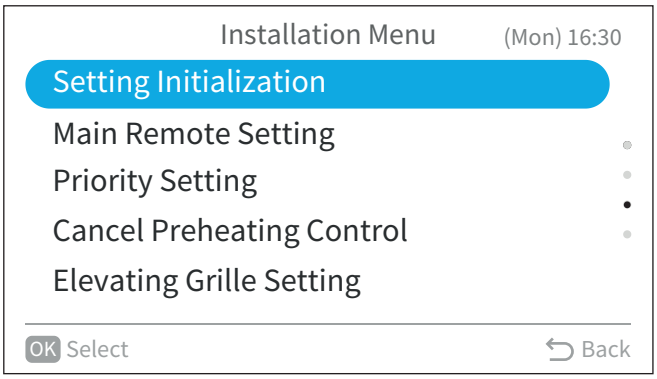
### 6.1.11 Setting Initialization

This function is used to restore the factory default settings of Function Selection and Input/Output.

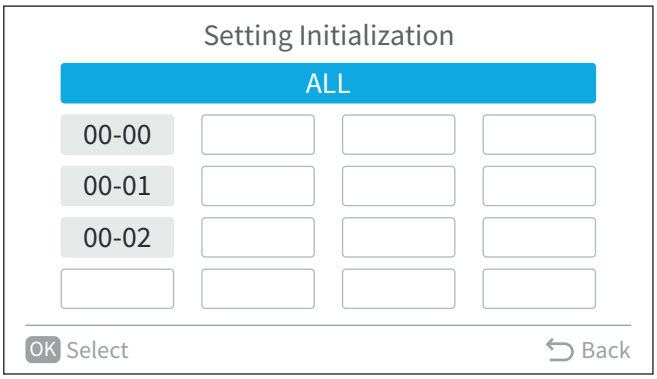
**NOTE**

- *The history display on the "Function Selection" screen is also updated to the factory default setting.*
- *If the indoor unit that does not support Setting Initialization is selected, "No Function" is displayed.*
- *Even if "All" is selected, the settings of Function Selection and Input/Output for the indoor unit that does not support Setting Initialization cannot be initialized to the factory default settings.*

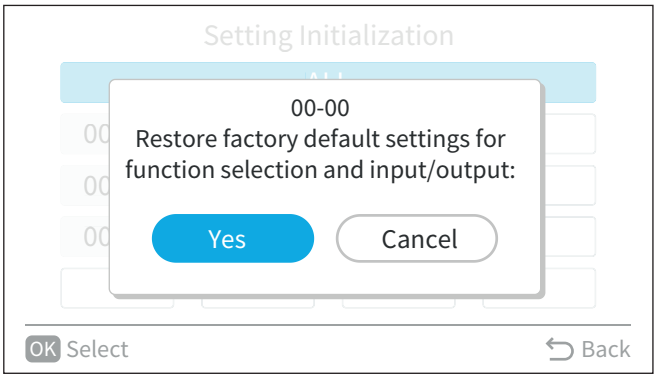
**1** Select "Setting Initialization"on the "Installation Menu" screen and press "OK".




**2** Press "^", "v", "<" or ">" to select the indoor unit. Press "OK". If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the screen in Step 3 is shown).



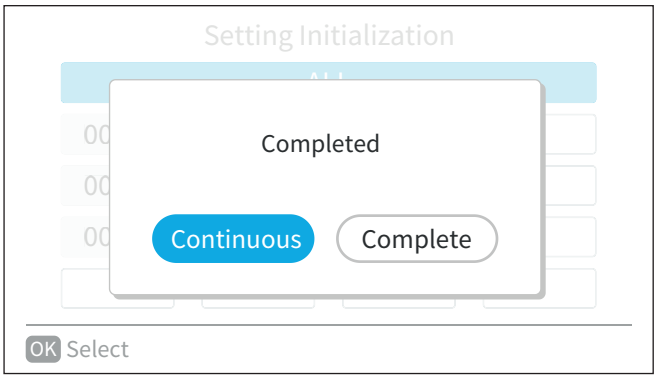

**3** Select "Yes" on the confirmation screen and press "OK". Wait for approximately 30 seconds.




**NOTE**

*Before using this function, make sure that restoring factory settings will not cause issues or inconvenience.*

**4** Select "Complete" and press "OK". To initialize another setting of Function Selection and Input/Output, select "Continue" and press "OK" to return to Step2.

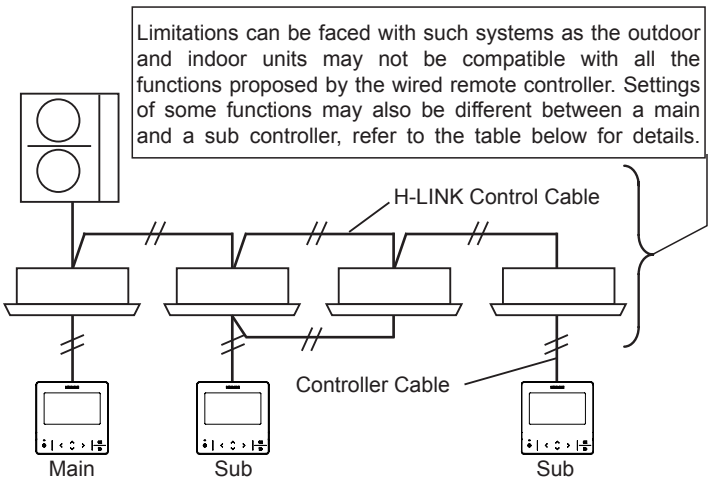


## 6.1.12 Main Remote Setting

If multiple remote control groups exist in the same outdoor system, main/sub setting is automatically allocated. Set the desired Wired Remote Controller as the “Main” remote controller.

Using this function, a sub remote controller can be set as main.

### ◆ Example of a refrigeration system containing a group of multiple controllers




| | | |
|---|---|---|
| Main Controller | — | Only One Controller in Same Refrigerant System |
| Sub Controller | — | Controller in addition to the Main Controller in the same Refrigerant System |

### ◆ Relation between Main/Sub controller and function settings

**NOTE**

*Concerning main and sub controllers, the range of settings may differ for the functions shown below.*

| Function | | Main | Sub |
|---|---|---|---|
| Power Saving Details Setting | | ○ | × |
| Outdoor Unit Capacity Control | Details Setting | ○ | × |
| | Power Savings Level Switch | ○ | × |
| Indoor Unit Rotation Control | Details Setting | ○ | × |
| | ON/OFF | ○ | ○ |
| Intermittent Control | Details Setting | ○ | ○ |
| | Power Savings Level Switch | ○ | ○ |
| Night Quiet Operation | | ○ | × |
| Power Savings Schedule | Outdoor Capacity Control | ○ | × |
| | Intermittent Control | ○ | ○ |
| Night Quiet Operation Schedule | | ○ | × |
| Power Up Setting | | ○ | × |
| Autoboost | | ○ | ○ |

○: *Available*
×: *Not Available*

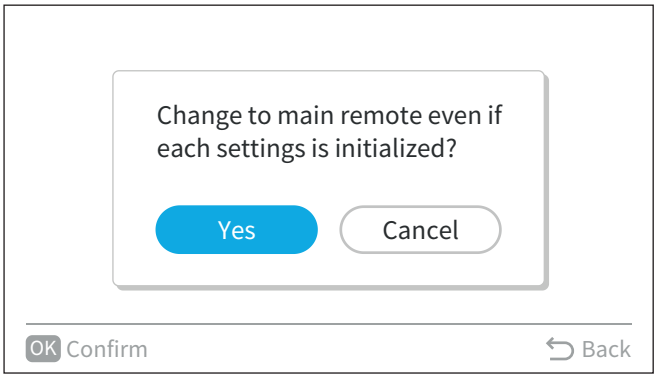
### ◆ Changing from the sub controller to the main controller

1 Select “Installation Menu” on the “Service & Installation” screen by pressing “﹀” and press “OK”.

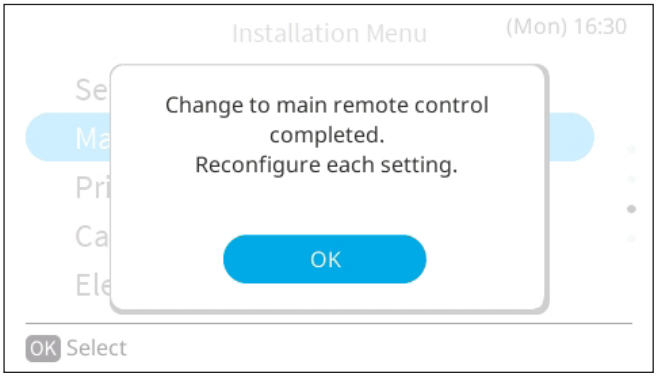
2 Select “Main Remote Setting” by pressing “∧” or “﹀” and press “OK”.

3 Select “Yes” and press “OK” to change to the main remote. “Change to main remote” is displayed on the screen. Select “Cancel” to return to Step2.

When setting the remote controller to main, the settings of several functions are reset to their default settings:
- Power savings mode (set to “No Setting”)
- Power Saving/Night Quiet schedule
- Night Quiet operation
- Priority setting
- Power up Setting




4 When the change to main remote control is completed, the “Reconfigure each setting” screen is displayed.




5 Press “OK” on the confirmation screen to return to Installation Menu.

**NOTE**

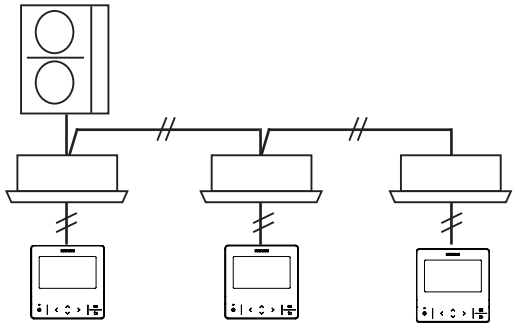
- *When using two controllers, only the primary controller can be set as the main controller. In cases where two controllers are both sub controllers, the “Main Remote Setting” is only accessible from the primary controller.*
- *In case the primary controller is a “Main Controller” and the secondary controller is a “Sub Controller”, when the primary controller and the secondary controller are changed by the function selection, Main and Sub controllers will also be switched simultaneously.*
- *In case only sub controllers are setup for one refrigerant cycle system, the main remote controller may not operate normally. In this case, check the connection wiring on the related wired controller.*
- *If a remote control group is operating with multiple refrigerant systems, the ECO function may not operate normally.*

### 6.1.13 Priority Setting

Thanks to this function, the operation mode and the temperature settings of the indoor units belonging to the same refrigerant cycle can be set from a specific remote controller (the main one), without having to use a central controller.

The settings on the sub controllers can be decided by the priority setting from the main controller. Power saving details are set only from the main controller.

Example




List of operations that can be performed when priority is set

| Priority Setting | | Remote Selection | | |
|---|---|---|---|---|
| | | Controller A (Main) | Controller B and C (Sub) | |
| | | Operation Mode Temperature Setpoint | Operation Mode | Temperature Setpoint |
| Without Priority | | ○ | ○ | ○ |
| With Priority | Operation Mode | | ▲ | ○ |
| | Operation Mode + Temperature Setpoint | | ▲ | × |

○: Selection Possible

▲: Selection Possible Partially
Operation Mode + FAN set by Controller A (Main)
Only when COOL mode COOL↔DRY

×: Selection not possible (Temperature setting is imposed by controller A (main))

**NOTE**

- *The factory default "Priority Setting" is: "Not available". This can be set in "Priority Setting" in the Test Run menu.*
- *It is not possible to set a priority for setting temperature only. When operation mode is set as "priority", and operation mode in MAIN is set in Auto Cool/Heat then operation mode change is possible in all indoor units under auto Cool/Heat control.*
- *When using 2 remote controllers on the same indoor unit, it is not possible to set priority*
- *This function cannot be used in case that any of the following devices is connected to the same refrigerant cycle:*
  - *Outdoor unit or indoor unit not supporting power saving functions.*
  - *Receiver Kit.*
  - *Central Station, CS-NET Manager and BMS gateways.*
  - *A remote controller with activated function for fixed operation mode (b5), fixed setting temperature (b6) or fixed cooling-only (b7).*
  - *Cooling/Heating CH-Box.*

#### ◆ Set Operation Mode and Temperature Priority

1 Select "Installation Menu" on the Service & Installation screen and press "OK".

2 Select "Priority Setting" and press"OK".

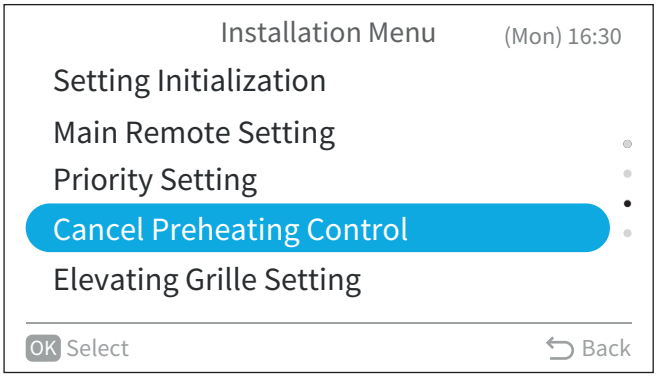
3 Press "^" or "v" to change in order the "No Setting" ↔ "Operation Mode" ↔ "Operation Mode + Set Temp". Select the setting and press "OK" to display the confirmation screen.

4 Press "⮌" to return to the Installation Menu.

### 6.1.14 Cancel Preheating Control

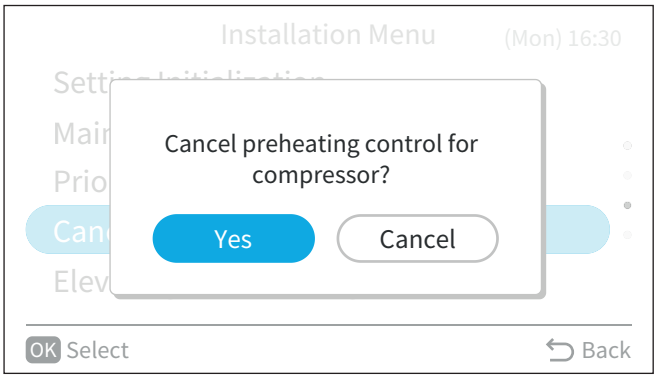
To cancel preheating control for compressor.

1 Select "Cancel Preheating Control"on the "Installation Menu" screen and press "OK".




2 Select "Yes" and press "OK".

3 When "Cancel" is selected, the screen returns to the "Installation Menu".




**NOTE**

*It is not recommended to cancel the compressor preheating control in normal operation, as the compressor may be damaged. This function shall be used only in case of maintenance operation carry out by technical specialist or Hitachi Service team.*

### 6.1.15 Elevating grille Setting

In order to activate the elevating grille function for the related indoor units, some specific settings must be set for input/output contacts (refer to *"Table A. Optional Setting Items for Function Selection"* for details).

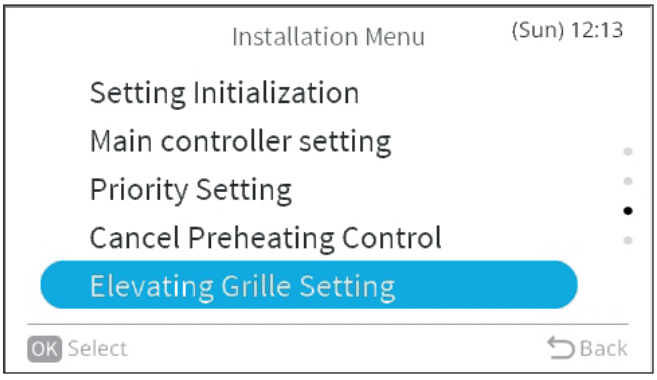
- *input i2 = 08*
- *output o1 and o2 = 08*
- *optional parameter (descent distance) d7 = 01*

These settings can be easily set in one go using the "Elevating Grille Setting" menu.

By selecting "Elevating Grille Setting", the necessary optional parameters will be applied automatically.

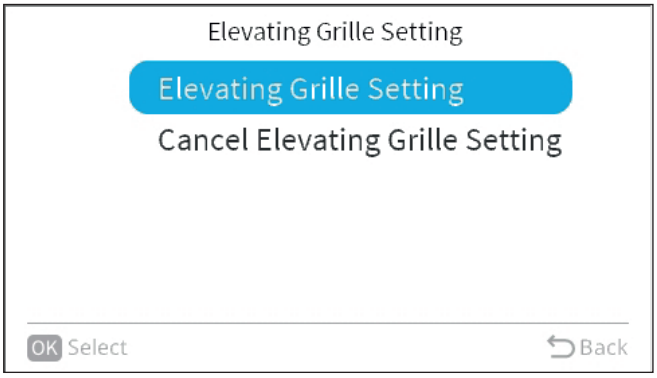
By selecting "Cancel Elevating Grille Setting", the default values for the related optional parameters are restored.

1 Select "Elevating Grille Settings" on the "Installation Menu" and press "OK".




#### ◆ Set the Elevating Grille

1 Select "Elevating Grille Settings" on the "Elevating Grille Setting" menu and press "OK".




2 These settings can be done in one step for one or several units. Press "^", "v", "<" or ">" to move and select the desired indoor unit by pressing "OK".




3 Select "Yes" and press "OK" to confirm the configuration

4 When "Cancel" is selected, the screen returns to the "Elevating Grille Setting" menu.

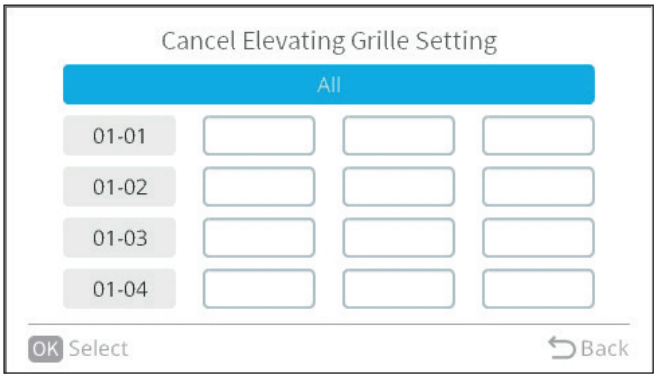



#### ◆ Override the Elevating Grille

1 Select "Cancel Grille Settings" on the "Elevating Grille Setting" menu and press "OK".




2 The elevating grille function can also be cancelled in one step for one or several units. Press "^", "v", "<" or ">" to move and select the desired indoor unit by pressing "OK".




3 Select "Yes" and press "OK" to confirm the configuration.

4 When “Cancel” is selected, the screen returns to the “Elevating Grille Setting” menu.



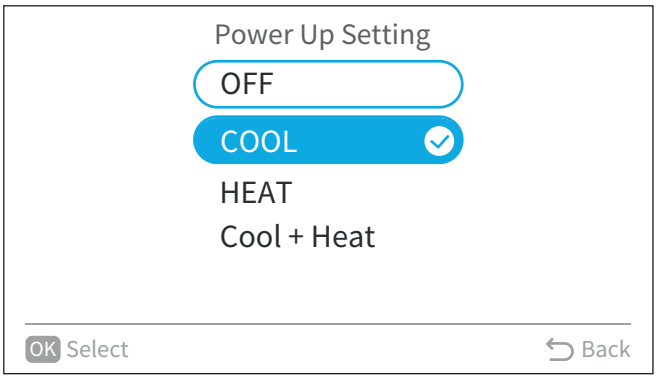

### 6.1.16 Power Up Setting

This function is used to set the maximum compressor frequency and the target compressor frequency higher than usual. Power up operation is performed after starting operation in the selected operation mode (COOL only - HEAT ONLY - COOL+HEAT). This function is available only for the compatible HLINK 2 outdoor units.

Please check the relevant technical information of the unit in order to know if is compatible for this function.

1 Select “Power Up Setting”on the “Installation Menu” screen and press “OK”.

2 If “^” or “v” is pressed, the settings are selected in the following order: “OFF” ↔ “COOL” ↔ “HEAT” ↔ “Cool + Heat” Select the setting and press “OK” to confirm the setting.

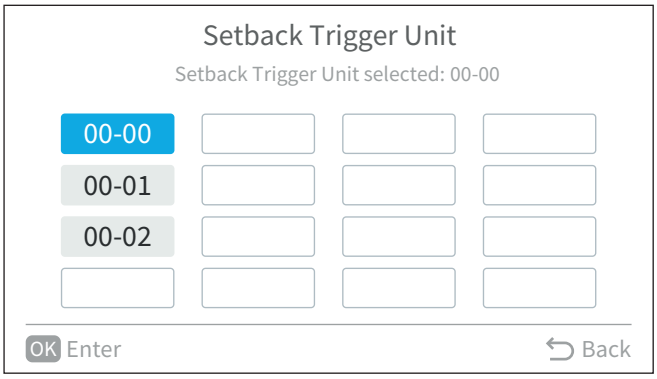



3 Press “⮌” to return to the Installation Menu.

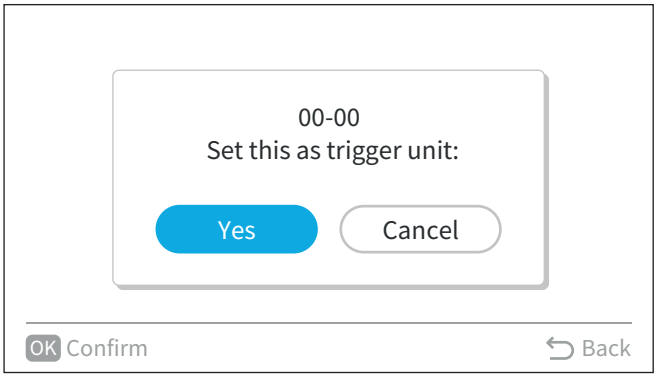
### 6.1.17 Setback Trigger Unit

The setback trigger unit can be set from the Installation Menu.

1 Select the indoor unit by pressing “^”, “v”, “<”, or “>” and press “OK” to display the confirmation screen.

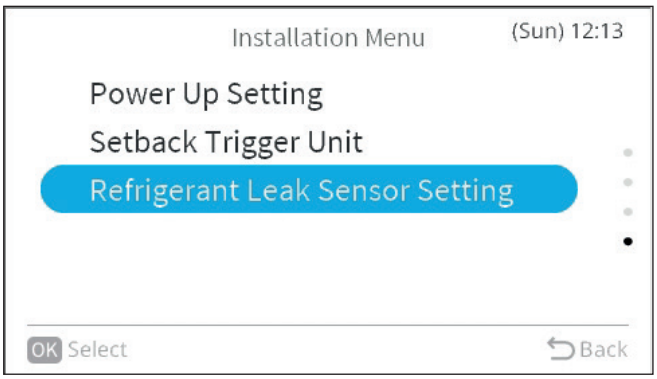



2 Select “Yes” and press “OK” to confirm the setting. Then, please wait a moment until the screen shows “Completed” or “Setting Disabled”.
If “Cancel” is selected, the screen returns to the Setback Trigger Unit screen.



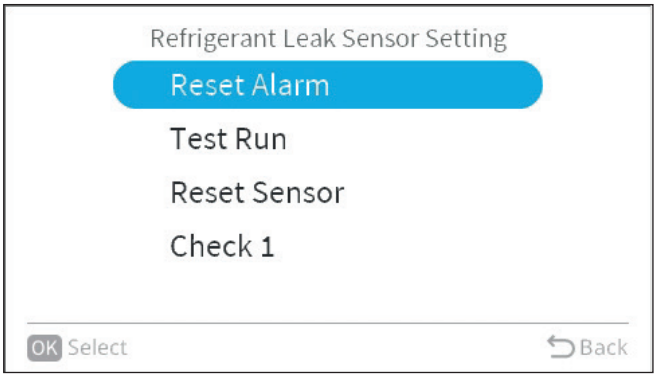
### 6.1.18 Refrigerant Leak Sensor Setting

Function only available for those indoor units that are equipped with refrigerant leak sensor. Current European indoor units series are not equipped yet with this device, then the refrigerant leak sensor menu will have no action.
Select “Refrigerant Leak Sensor Setting” on the “Installation Menu” and press “OK”.

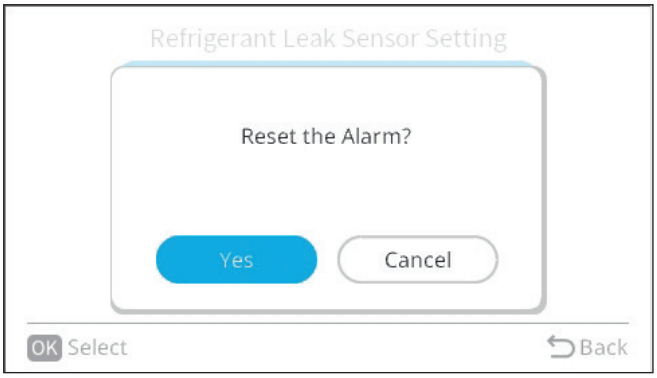



#### ◆ Reset Alarm

1 Select “Reset Alarm” on the “Refrigerant Leak Sensor Setting” menu and press “OK”.

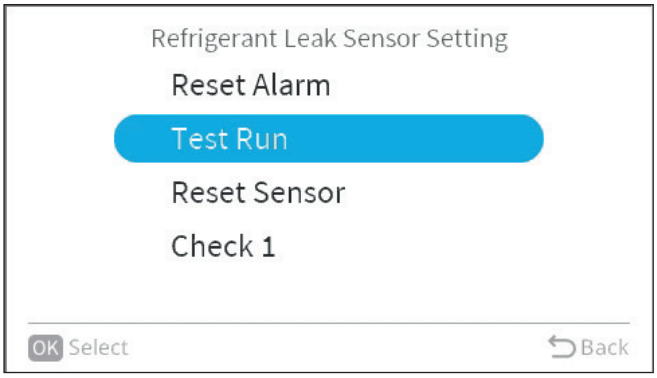



2 Select “Yes” on the confirmation screen and press “OK”.

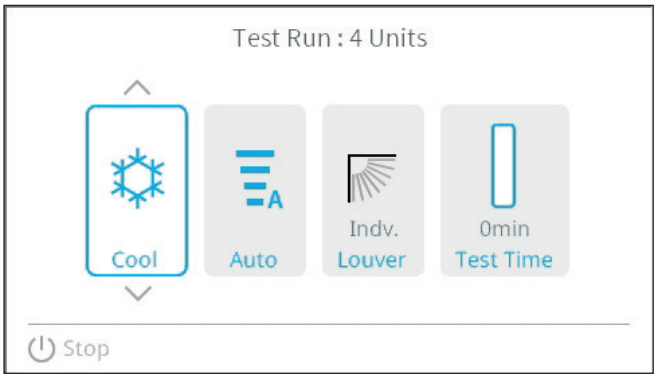



#### ◆ Test Run

1 Select “Test Run” on the “Refrigerant Leak Sensor Setting” menu and press “OK”.



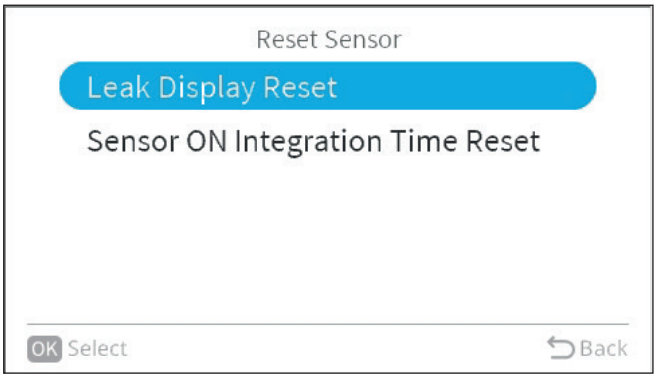

2 By pressing “<”, or “>” move between “Operation Mode”, “Fan speed”, “Louver” and “Test Time” controls.
By pressing “^” or “v” change the setting of the selected control.



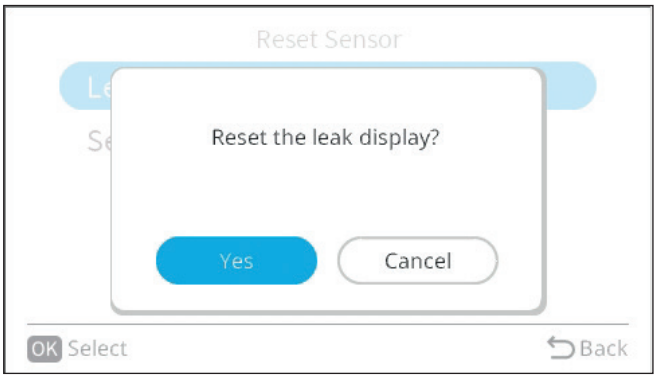

3 Press “⮌” in order to set the test run and to return to the “Refrigerant Leak Sensor Setting” menu.

### ◆ Reset Leak Display

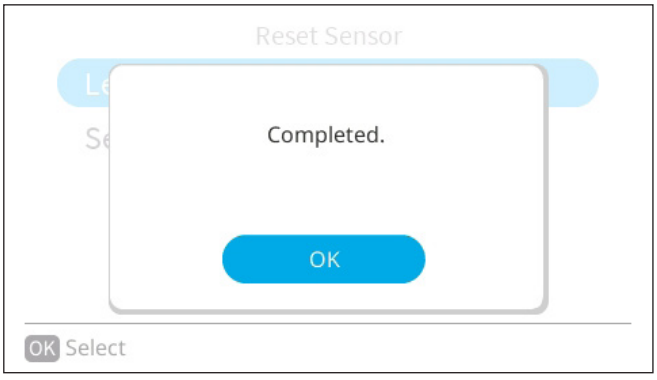
1 Select “Reset Sensor” on the “Refrigerant Leak Sensor Setting” menu and press “OK”.
2 Select “Leak Display Reset” on the “Reset Sensor” screen and press “OK”.




3 Select “Yes” on the confirmation screen and press “OK”.

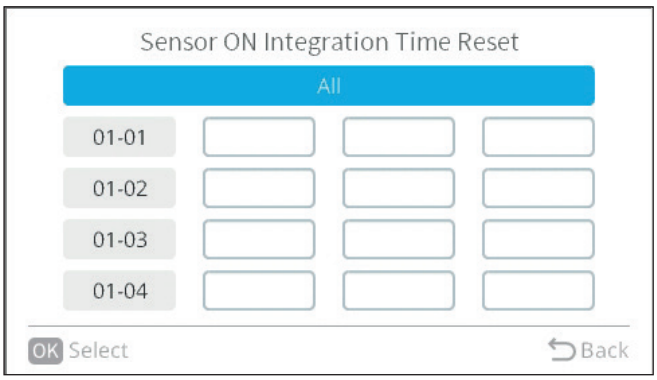



4 Wait for the process to complete. Press “OK” when the message “Completed” appears in order to get back to the “Reset Sensor” screen.

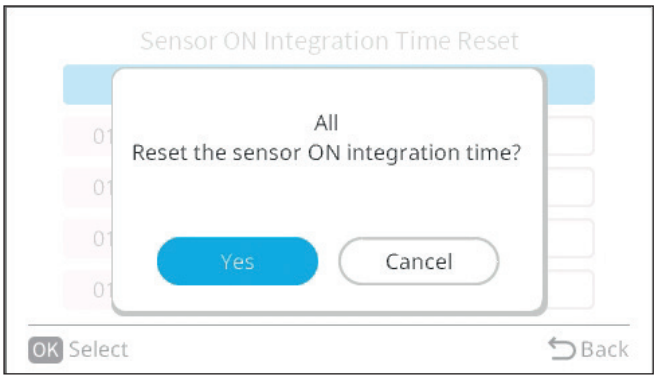



### ◆ Sensor ON Integration Time Reset

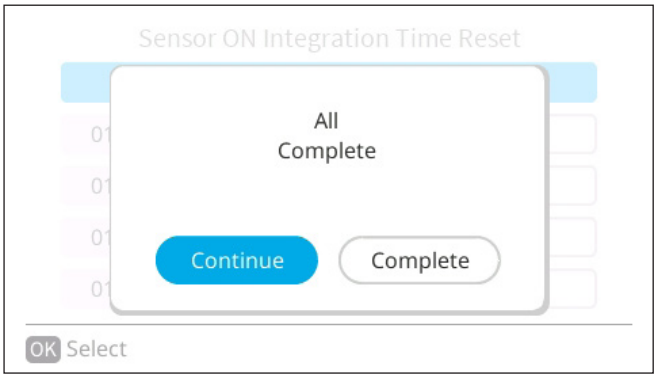
1 Select “Reset Sensor” on the “Refrigerant Leak Sensor Setting” menu and press “OK”.
2 Select “Sensor ON Integration Time Reset” on the confirmation screen and press “OK”.Select the desired indoor unit by pressing “^”, “v”, “<”, or “>” and press “OK” to display the confirmation screen.




3 Select “Yes” on the confirmation screen and press “OK”.

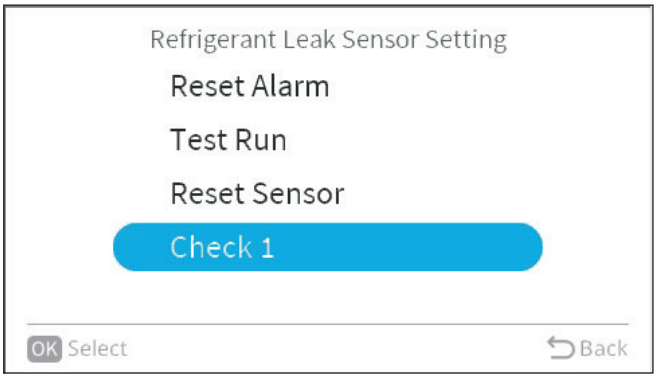



4 Wait for the process to complete. When “Complete” screen appears, by selecting “Continue” and pressing “OK” the screen gets back to the “Sensor ON Integration Time Reset” menu. By selecting “Complete” and pressing “OK”, the screen returns back to the “Reset Sensor” menu.

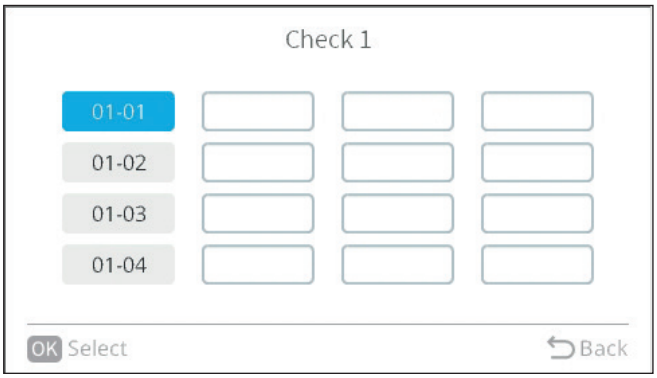


### Check 1

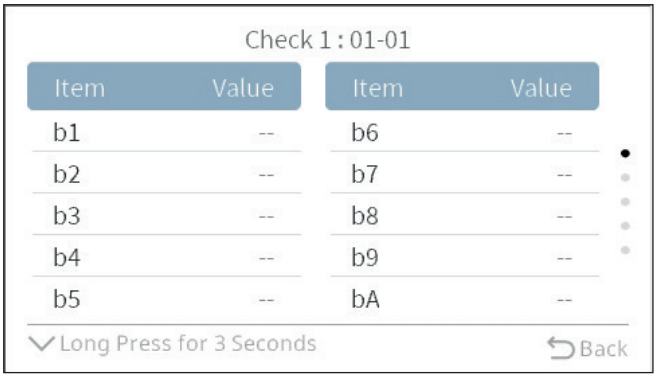
1 Select “Check 1” on the “Refrigerant Leak Sensor Setting” menu and press “OK”.




2 Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the screen in Step 3 is shown).

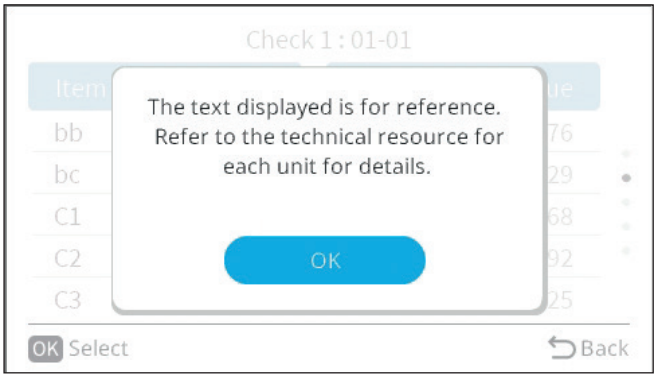



3 Press “^” or “v” to change the page of check data.

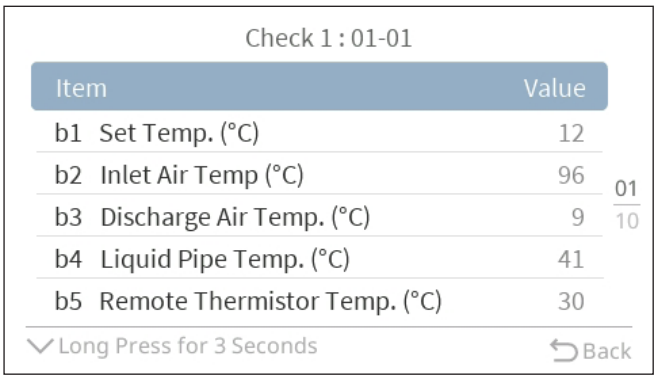



By pressing and holding “v” for 3 seconds or longer, the items are displayed with a description, translated in the selected language. The text displayed is for reference. Refer to the technical resource for each indoor unit for details.

4 Press “OK” to get pass the information screen.




5 A list of items will be displayed with the corresponding item description and its value. Short press “”v“” to browse through the items. By pressing “⮌” once, the display returns to the first items list screen. By pressing “⮌” again the display returns back to the “Check 1” screen.



## 6.2 SERVICE MENU

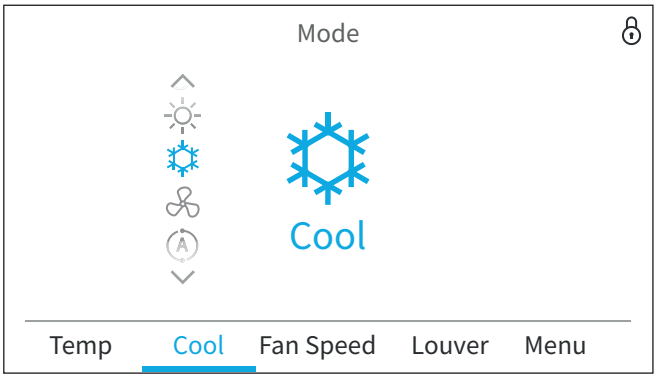
### 6.2.1 Operation Lock/Unlock Setting

This function allows to lock one or several operation settings of the indoor unit from the remote controller.

On the setting menu, when the lock icon "🔒" is getting displayed, that means this setting is locked and cannot be changed by the user using the "^" or "v" buttons.

The following settings can be locked:

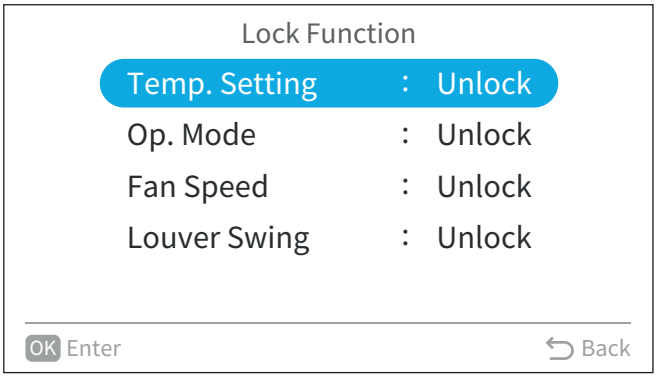
- Temperature setting (Temp)
- Operation mode (Mode)
- Fan speed
- Louver swing (Louver)




1 In "Service & Installation", select "Service Menu" and press "OK".

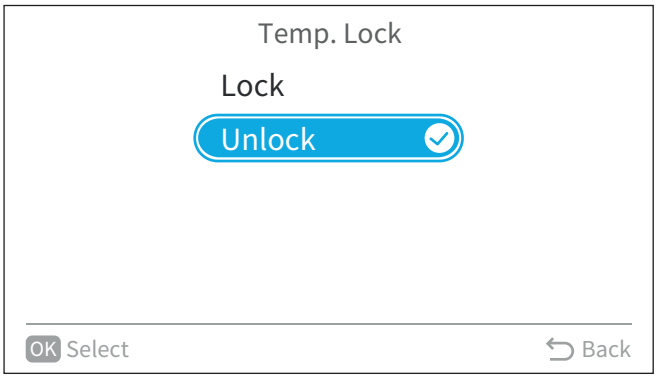
2 Select "Lock Function".

3 Press"^" or "v"and press "OK".
The operation changes as follows:
"Temp. Setting" ↔ "Op. Mode" ↔ "Fan Speed" ↔ "Louver Swing".




4 Press "^" or "v" to select "Unlock" and press "OK" to confirm the setting.

5 Press "⮌" to return to Step3.




**NOTE**

- *Parameters F8, F9, F1 and FB must be set to 01 (available) in order to get the related setting available in the Lock Function menu. If not, the related settings cannot be locked by this function.*
- *In case a central controller is connected to the HLINK system, it is recommended to not use simultaneously the Lock function from the wired controller and the remote control operation "prohibition" function from the central controller.*
- *The remote control operation "prohibition" from the Central Controller will always have priority over the "Operation Lock" function on the individual wired controller.*
- *When using Central Stations PSC-A32MN or PSC-A64GT, setting the remote control operation from "all prohibited" to "all permitted" may also unlock all settings locked with the "Operation Lock" from the individual wired controller.*

### 6.2.2 Password Setting

The initial user password can be changed. If you forget the changed user password, a supervisor password can be used to set the user password again. The supervisor password is "5567".

The password input effective time can be set also.

It is not necessary to enter the password for a certain period after setting the password input effective time.

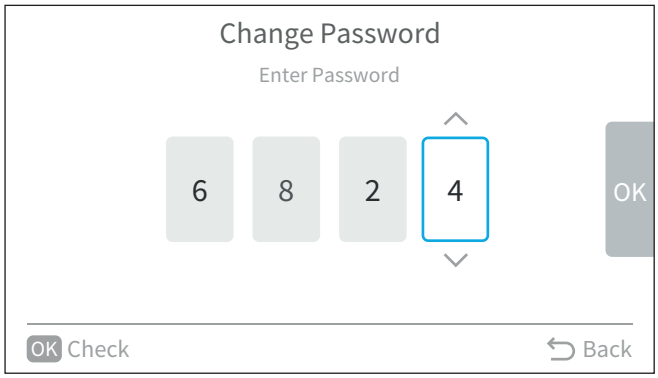
#### ◆ Change Password

1 Select "Service Menu" on the Service & Installation screen and press "OK".

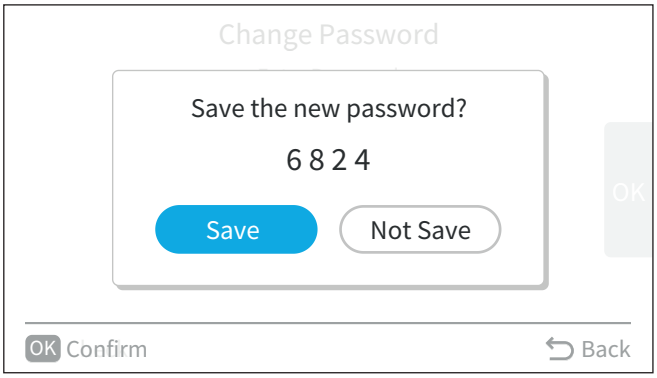
2 Select "Password Setting" and press "OK".

3 Select "Change Password" and press "OK".

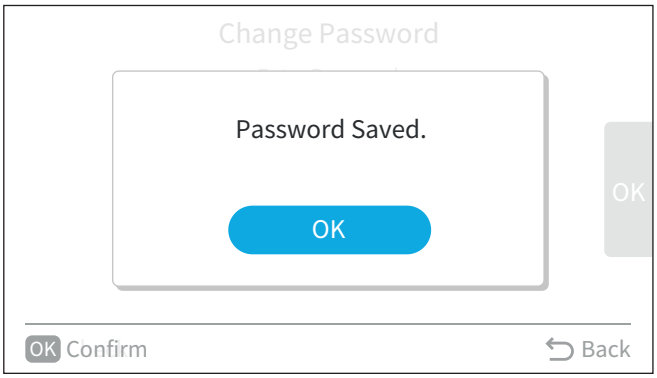
4 Use "^", "v", "<", or ">" to enter the password you want to set, select "OK" and press "OK".



5 Press "^" or "v" to select "Save" and press "OK" to change password.
Select "Not Save", the screen returns to Step3.
Press "↩", the screen returns to Step2.

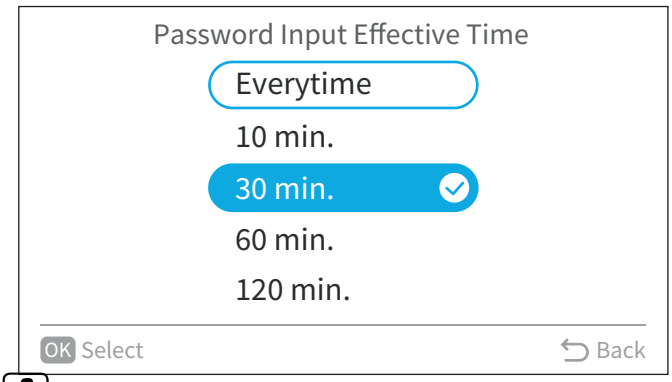



6 Press "OK", the screen returns to Step2.




### ◆ Set Password Input Effective Time

1 Select "Service Menu" on the Service & Installation screen and press "OK".
2 Select "Password Setting" and press "OK".
3 Select "Effective Time"and press "OK".
4 Press "^" or "v" to select the setting item and press "OK" to confirm the setting. The item changes as follows:
"Everytime" ↔ "10 min" ↔ "30 min" ↔ "60 min" ↔ "120 min".
Press "↩" and it returns to Step3.




**NOTE**

- *The default password is "0000", and the supervisor code is "5567".*
- *If you forget the password, use the supervisor code to change the password.*
- *The supervisor code can't be changed.*
- *For two remote controllers, the passwords are not synchronized automatically. For each remote controller, the password needs to be set individually.*

## 6.2.3 Hotel Mode Setting

This setting enables or disables the hotel mode.

1 Select "Service Menu" on the Service & Installation screen and press "OK".
2 Select "Hotel Mode" and press "OK".
3 Press "^" or "v" to select enabled setting.
4 After selecting, press "OK".
5 Select "Yes" and press "OK" to confirm the settings and display the completion screen.
6 If you select "Cancel", the screen returns to Step3.

**NOTE**

*Refer to "Hotel Mode Setting" in "9 Hotel Mode Setting".*

## 6.2.4 Power Saving Details Setting

This chapter provides the details about the available settings related to the power saving function.

There are 3 power saving modes available: outdoor unit capacity control, indoor unit rotation control and intermittent control. Settings for these 3 power saving modes are available from this menu.

**NOTE**

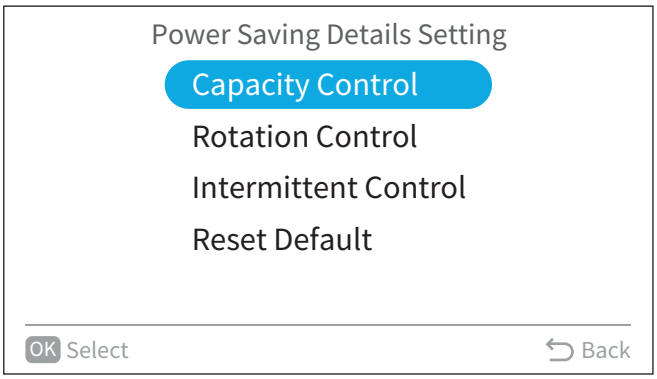
*Go to Power Savings Setting from Function Menu. Also refer to "Power Savings Setting" in "5.3.1 Power Savings Mode Setting" for details.*

| Item | Function |
|---|---|
| Capacity Control | Capacity control deals with the outdoor unit capacity, the aim of the function is to reduce the running current of the system to match with the capacity control setting. Set control mode and power savings level with its corresponding value. |
| Rotation Control | Interlock with indoor units of the same outdoor unit system and switch to FAN operation in sequence. Set control mode and fan mode time. |
| Intermittent Control | Cooling/heating mode and fan mode are repeated at regular intervals. Set power savings level. |
| Reset Default | Initialize the power saving settings. |

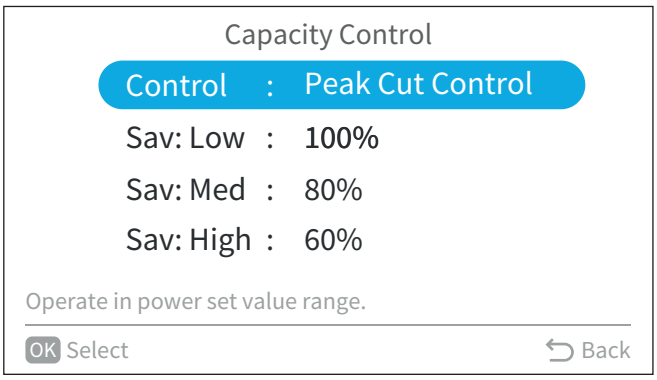
### ◆ Outdoor Capacity Control Setting

| Item | Description |
|---|---|
| Control Method | The "Peak Cut Control" reduces the power consumption range when it exceeds the value of the power setting. On the basis of the current air conditioning capacity, the "Moderate Control" is used to moderate the air conditioning capacity as well as the peak. |
| Power Savings (Low/Med/High) | Assign the corresponding capacity control values to the low, medium, and high power savings levels. |
| Change Level | The power saving level can be set. |

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Power Saving Details Setting” and press “OK”.
3 Select “Capacity Control” and press “OK”.

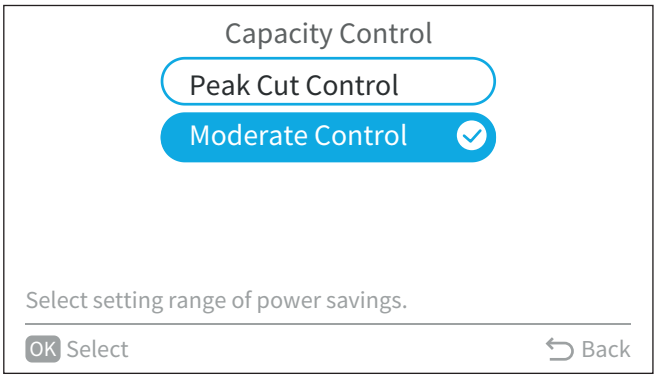



4 Press “^” or “v”.
The items “Control” ↔ “Sav: LOW” ↔ “Sav: MED” ↔ “Sav: HIGH” are displayed in order.
Press “⮌” to move to *“Change level”*.



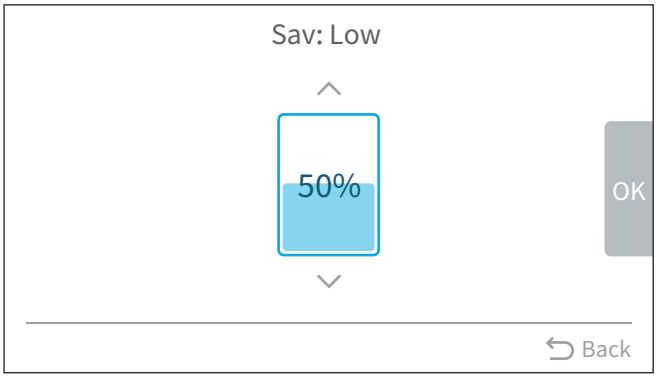

### Change the Control Method

Select “Control”and press”OK”.
Press “^” or “v” to select the item to set and press “OK”.
It changes between “Peak Cut Control” and “Moderate Control”.
Press “⮌” to return to Step 4.



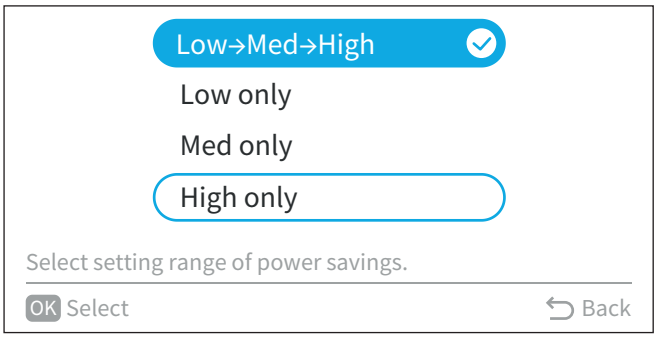

### Change the power savings level

Select “Sav: LOW (MED/HIGH)” and press “OK”.
Press “^” or “v” to set the level.
→ The level changes as follows: [100%] ↔ [90%] ↔ [80%] ↔ [70%] ↔ [60%] ↔ [50%] ↔ [40%] ↔ [0%].
After setting, select “OK” and press “OK” and it returns to Step3.




### Change level

Press “^” or “v” to select the item to set and press “OK”.
It changes in the order of “LOW → MED → HIGH” ↔ “LOW only” ↔ “MED only” ↔ “HIGH only”.
Press “⮌” to return to Step 3.




**NOTE**

- *For the sub remote controller, only the level switching order can be set.*
- *If some settings are changed in the “Power Saving details Settings” menu, the power saving function using the related control mode is automatically set to OFF in the Function menu. It is necessary to set it ON again manually once the settings are done.*
- *The cooling/heating capacity can decrease when using the “Power Savings” function.*

## ◆ Indoor Unit Rotation Control Setting

| Item | | Description |
|---|---|---|
| Control Method | Address Order | Indoor units are set to Fan mode in ascending order, one by one, depending on their H-link address. |
| | Temperature Order | Indoor units are set to Fan mode according to the temperature difference between the temperature set point and the air inlet temperature, in ascending order: units for which Tset is closer to the setting temperature are the first to be switched to fan mode. |
| | Sensor Order(*) | If the motion sensor is used, Fan mode will be applied to the indoor unit that has the lowest activity detected. Once the fan mode operation time is elapsed, this unit returns to heating/cooling (previous operation) mode and fan mode is applied to another indoor unit with the lowest activity. |
| Change Level | | It is possible to change the timing of the operation mode switch to fan mode, for the concerned indoor units. |

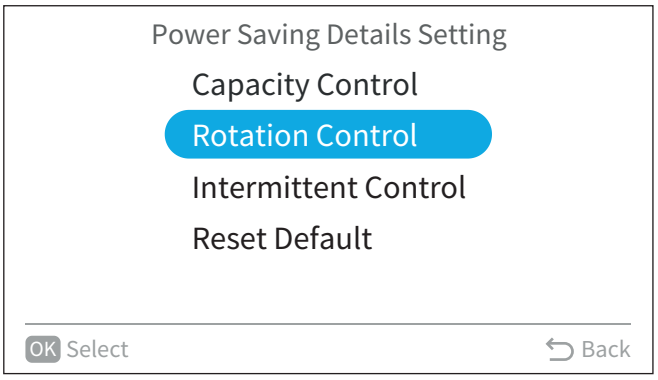
**NOTE**

*(*)Cannot be set if the indoor/outdoor unit does not support this function.*

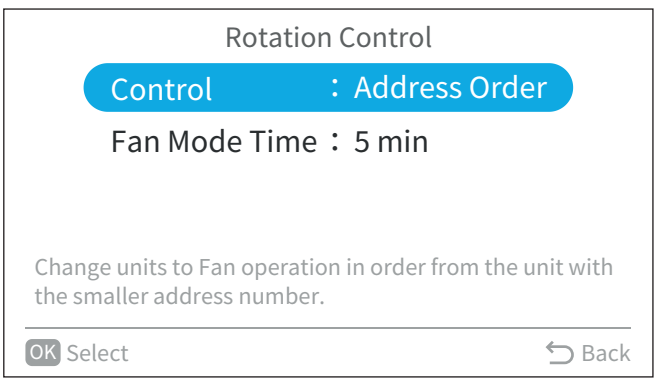
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Power Saving Details Setting” and press “OK”. Power Saving Details Setting screen is displayed.

3 Select “Rotation Control” and press”OK”.




4 Press “^” or “v” to select the setting item. The items “Control” and “Fan Mode Time” are displayed in order.

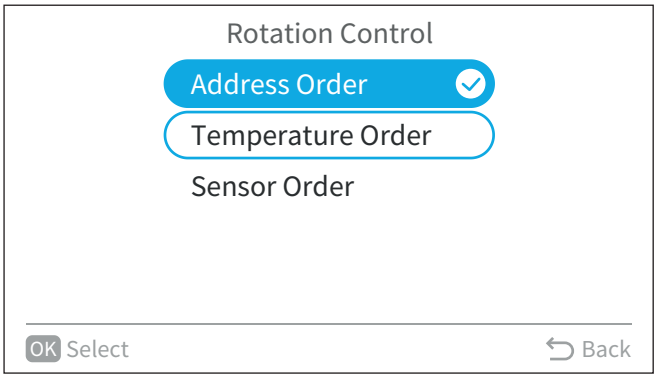



### Change the Control Method

- Select “Control” and press “OK”.
- Press “^” or “v” to select the item to set and press “OK”. It changes as follows: “Address Order” ↔ “Temperature Order” ↔ “Sensor Order”.
- Press “⮌” to return to Step4.

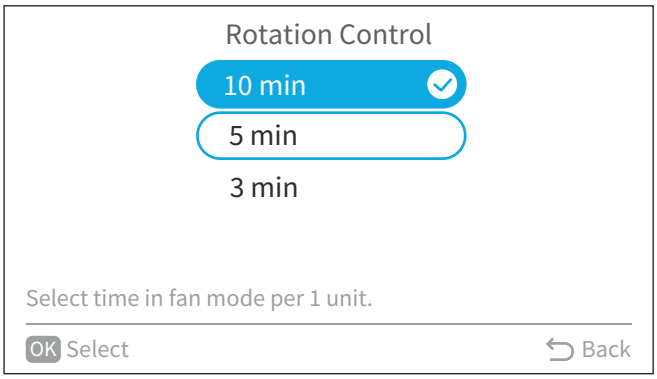
**NOTE**

*Cannot be set if the indoor/outdoor unit does not support this function.*




### Change the Fan Mode Time

- Select “Fan Mode Time” and press “OK”.
- Press “^” or “v” to set the fan mode time. Press “OK” to confirm the setting. It changes as follows: “10 min” ↔ “5 min” ↔ “3 min”.
- Press “⮌” to return to Step4.




**NOTE**

- *Indoor rotation control cannot be set from the sub remote controller.*
- *If some settings are changed in the “Power Saving details Settings” menu, the power saving function using the related control mode is automatically set to OFF in the Function menu. It is necessary to set it ON again manually once the settings are done.*
- *This function can be used only when the operation mode is cooling/heating.*
- *The cooling/heating capacity can decrease when using the “Power Saving” function.*

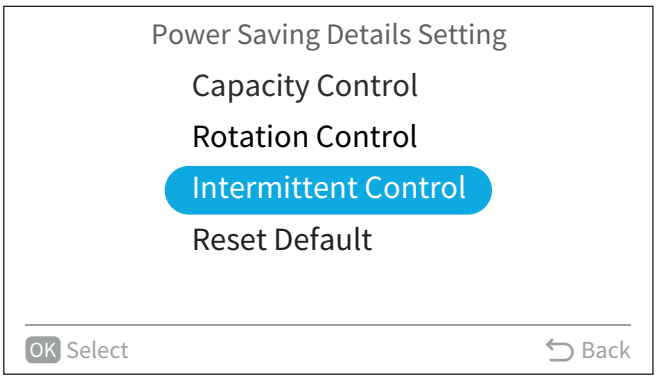
## ◆ Intermittent Control Setting

| Item | Description |
|---|---|
| Level Change | The power saving level can be set. |

1 Select “Service Menu” on the Service & Installation screen and press “OK”.

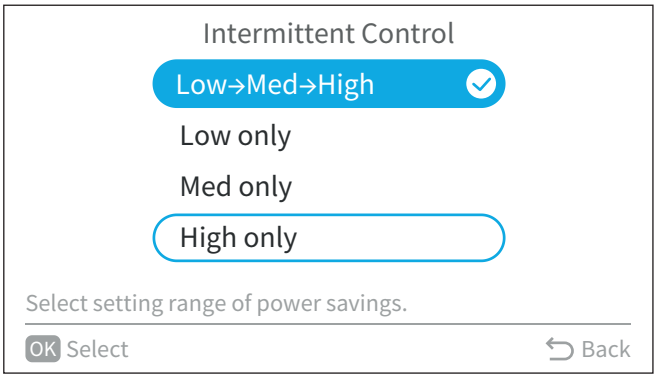
2 Select “Power Saving Details Setting” and press “OK. Power Saving Details Setting screen is displayed.

3 Select “Intermittent Control” and press “OK”.




### Change level

- Press “^” or “v” to select the level and press “OK”.
- It changes as follows: “LOW → MED → HIGH” ↔ “LOW only” ↔ “MED only” ↔ “HIGH only”.
- Press “⮌” to return to Step3.




**NOTE**

- *This setting not only serves to change the level of the power saving details setting, but also selects the energy saving levels available for the Intermittent control in the energy saving settings menu (see “5.3.1 Power Savings Mode Setting”). For example, if “low only” is selected, the user will only be able to select this “low” level from the energy saving menu.*
- *This function cannot be set when only the total heat exchanger is connected.*
- *When Intermittent Control mode is selected, operations of the related indoor units will follow the sequences detailed below, according to the power saving level selected:*

| | Cool/Dry Mode | Heat Mode |
|---|---|---|
| Power Saving : LOW | Normal Mode 20 minutes ⇔ Fan Mode 10 minutes | Normal Mode 25 minutes ⇔ Fan Mode 5 minutes |
| Power Saving : MED | Normal Mode 17 minutes ⇔ Fan Mode 13 minutes | Normal Mode 20 minutes ⇔ Fan Mode 10 minutes |
| Power Saving : HIGH | Normal Mode 15 minutes ⇔ Fan Mode 15 minutes | Normal Mode 15 minutes ⇔ Fan Mode 15 minutes |

- *If some settings are changed in the “Power Saving details Settings” menu, the power saving function using the related control mode is automatically set to OFF in the Function menu. It is necessary to set it ON again manually once the settings are done.*
- *The cooling/heating capacity can decrease when using the “Power Saving” function.*

## ◆ Reset method

Reset power saving details setting to default values

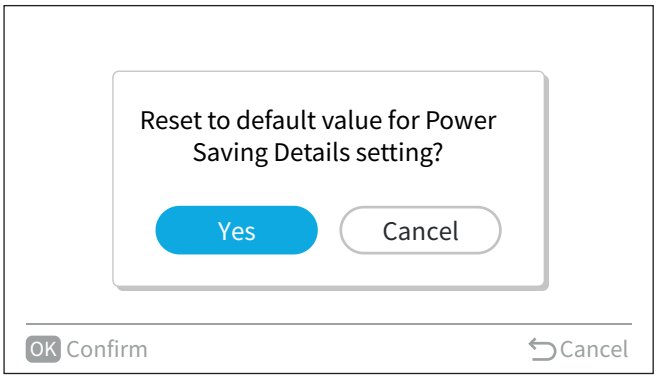
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Power Saving Details Setting” and press “OK.

3 Select “Reset Default” and press “OK”.

4 Select “Yes” and press “OK”, reset the power saving details to default and return to Step2.

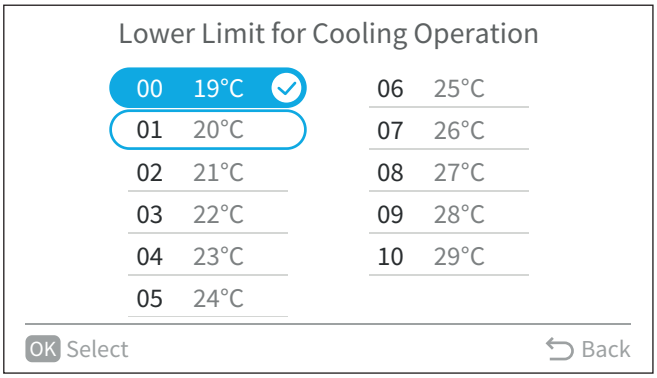
5 Select “Cancel” and press “OK”, return to Step2.



### 6.2.5 Temperature Range Restriction

The temperature range can be set by operating the remote controller.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Temperature Range Restriction” and press “OK”.
3 Select “Lower Limit for Cooling Operation” or “Upper Limit for Heating Operation” and press “OK”.
4 Press “^”, “v”, “<”, or “>” to select the setting value and press”OK”.
5 Press “⮌” to return to Step3.




**NOTE**

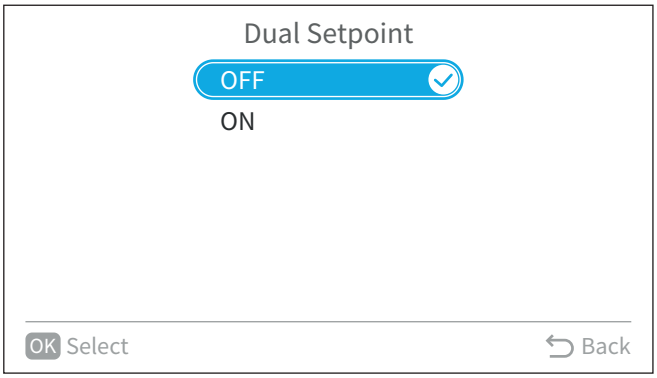
*Settable temperature range varies depending on the type of indoor unit or outdoor unit.*

### 6.2.6 Dual setpoint setting

When Auto Cool/Heat operation mode is selected, this function can be used to set specific temperature set point for cooling operation mode and for heating operation mode.

To use this function, Auto Cool/Heat operation mode shall be activated on the wired remote controller. Refer to the optional parameter b8 in the function selection menu for details.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Dual Setpoint” and press “OK”.
3 Press “^” or “v” to select “ON” or “OFF”.
4 Press “OK” to confirm the setting.
5 Press “⮌” to return to Step2.




### 6.2.7 Main/Sub Display Setting

The display of the main / sub setting of the remote controller can be deactivated from this menu.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Main/Sub Display” and press “OK”.
3 Press “^”, “v”, “<”, or “>” to select “Not Display”.
4 Press “OK” to confirm the setting.
5 Press “⮌” to return to Step2.




| With Priority Setting | Without Priority Setting |
|---|---|
| Main | No icon |
| Sub | |

### 6.2.8 Room Name Setting

Register the installation location of the controller.

1 Select “Service Menu” on the “Service & Installation” screen and press “OK”.

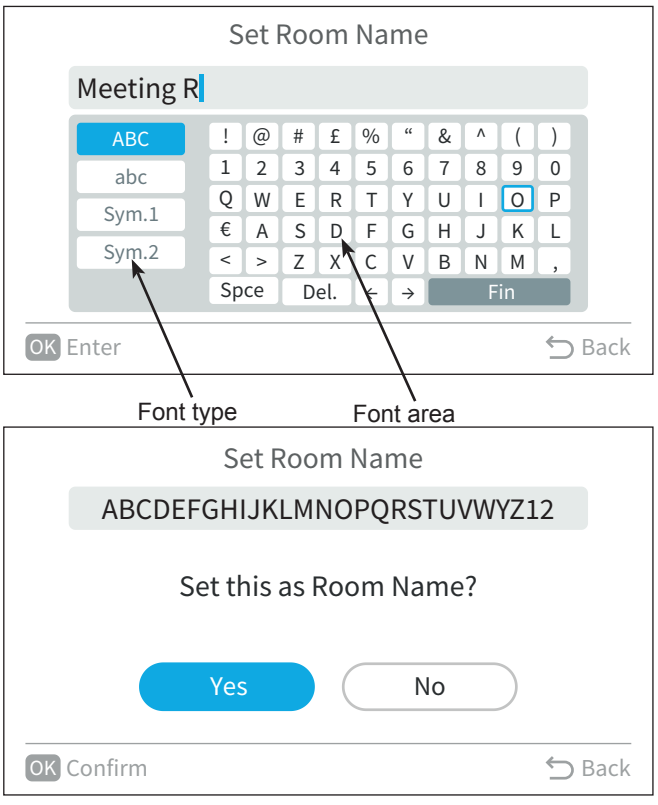
2 Select “Set Room Name” and press “OK”.

3 Press “<” to move cursor to font type. Press “^” or “v” to select the font type. Each time you want to change the font type, move cursor to the first character on the fist line at the upper left corner of the screen, then press “<” to select the font type.

4 Press “>” to move the cursor to the font area. Press”^”, “v”, “<”, or “>” to select the font and press “OK” to register it (up to 32 characters can be registered).

5 After registration, select “Fin” and press “OK”.

6 The confirmation screen is displayed. Select “Yes” and press “OK” to confirm the settings and Step2 is displayed.
If “No” is selected, the screen returns to Step3.




### 6.2.9 Contact Information Registration

Register a service contact (service address and service telephone number are recommended).

1 Select “Service Menu” on the “Service & Installation” screen and press “OK”.

2 Select “Set Contact Information” and press “OK”.

3 “Contact Information1” screen is displayed. Press “<” to move cursor to font type. Press “^” or “v” to select the font type. Each time you want to change the font type, move cursor to the first character on the fist line at the upper left corner of the screen, then press “<” to select the font type.

4 Press “>” to move cursor to the font area. Press”^”, “v”, “<”, or “>” to select the font and press “OK” to register it (up to 60 characters can be registered).

5 After registration, select “Fin” and press “OK”.

6 “Contact Information2” screen is displayed, repeat Step3, Step4 and Step5.

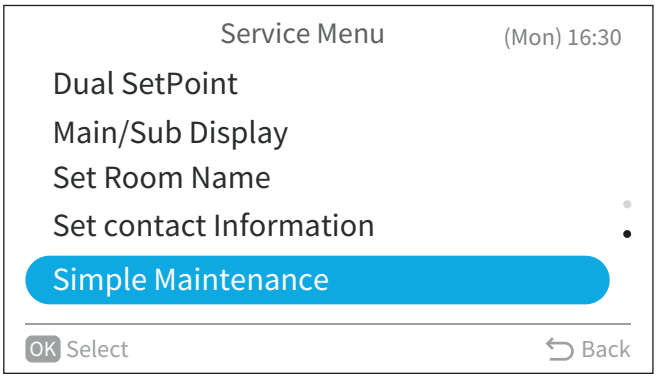
7 Select “Yes” and press “OK” to confirm the setting and Step2 is displayed.
If “No” is selected , the screen returns to Step3.



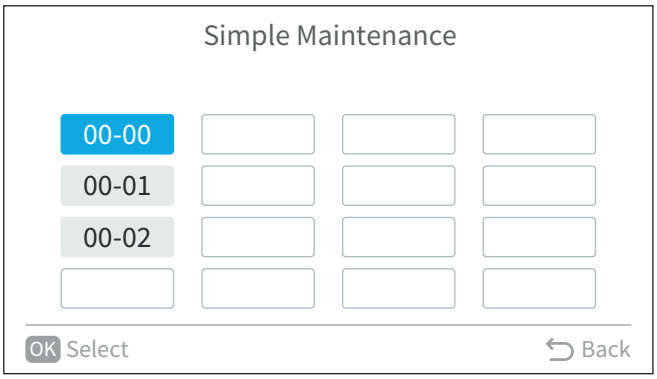
### 6.2.10 Simple Maintenance

This menu is available if the optional setting “JA” is set to 01 from the function selection menu. From this menu, some parameters like operating times and some items of the check mode can be displayed from the “Service Menu”.

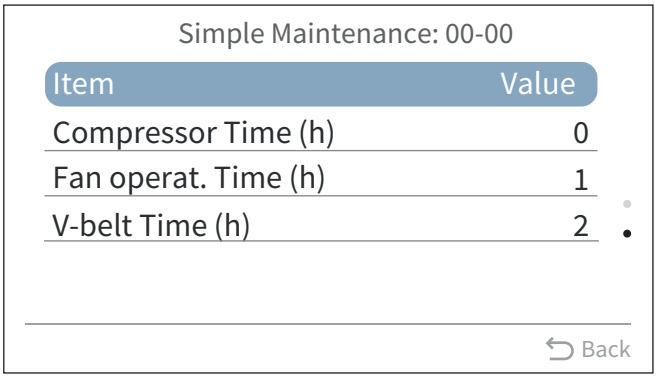
1 Select “Simple Maintenance” on the “Service Menu” screen and press “OK”.




2 Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the screen of Step3 is shown).




3 Press “^” or “v” to change the page of Simple Maintenance data




#### ◆ List of Simple Maintenance Function

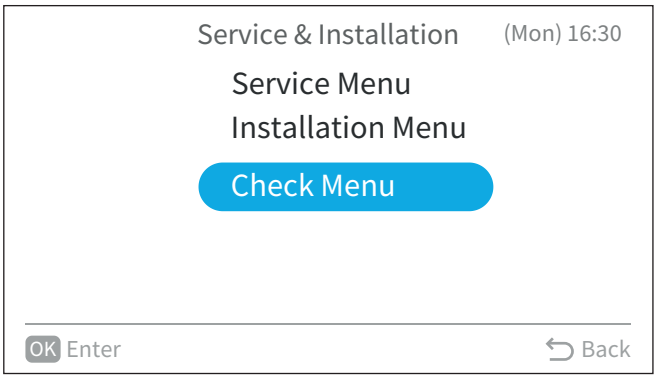
| No. | Item | Note |
|---|---|---|
| 1 | Compressor Time | Some units do not support this function. |
| 2 | Fan operation time | |
| 3 | V-belt Time | |

| No. | Item | Note |
|---|---|---|
| 4 | Inlet Air Temperature | Corresponds to item “b2” in Check 1. |
| 5 | Outlet Air Temperature | Corresponds to item “b3” in Check 1. |
| 6 | Indoor Unit Liquid Piping Temperature | Corresponds to item “b4” in Check 1. |
| 7 | Indoor Unit Gas Piping Temperature | Corresponds to item “b7” in Check 1. |
| 8 | Outdoor Temperature | Corresponds to item “b6” in Check 1. |
| 9 | Outdoor Unit Pipe Temperature | Corresponds to item “b8” in Check 1. |
| 10 | Compressor Temperature | Corresponds to item “bA” in Check 1. |
| 11 | Discharge | Corresponds to item “H1” in Check 1. |
| 12 | Inlet Pressure | Corresponds to item “H2” in Check 1. |
| 13 | Compressor Current | Corresponds to item “P1” in Check 1. |

## 6.3 CHECK MENU

This menu displays various statuses of the air conditioner.

1 Select “Check Menu” on the Service & Installation screen and press “OK”.

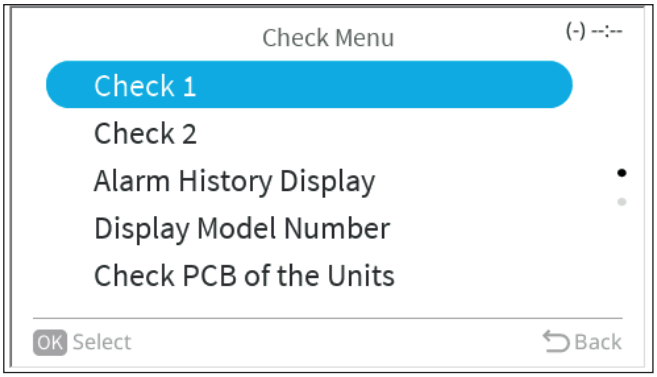



Each “Check Menu” item and its function is explained in the following table.

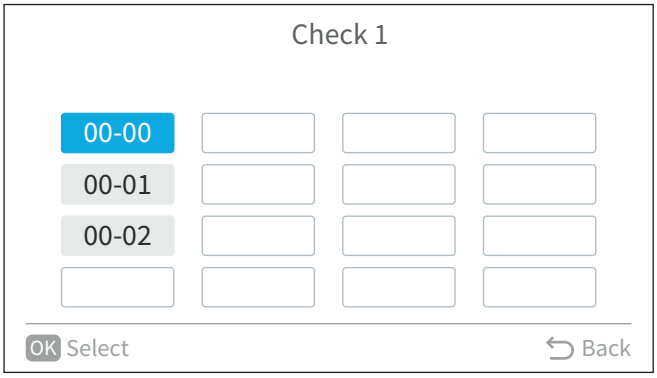
| Item | Function |
|---|---|
| Check 1 | Indoor unit operation parameters are displayed in real time. (Sensor condition of the heat pump are monitored and displayed). |
| Check 2 | Indoor unit operation parameters recorded at the last alarm occurrence moment are displayed. (Sensor data from the heat pump prior to alarm occurrence is displayed). |
| Alarm History Display * | Alarm history including date, time, indoor unit number, and alarm code is displayed. (30 Max) The alarm history can be deleted. * |
| Display Model Number | Model name and manufacturing number are indicated. |
| Check PCB of the Units | The result and diagnosis of PCB check is displayed. |
| Self Check | The controller checkout process begins and various settings of the controller are initialized.. |

### 6.3.1 Check 1 / Check 2

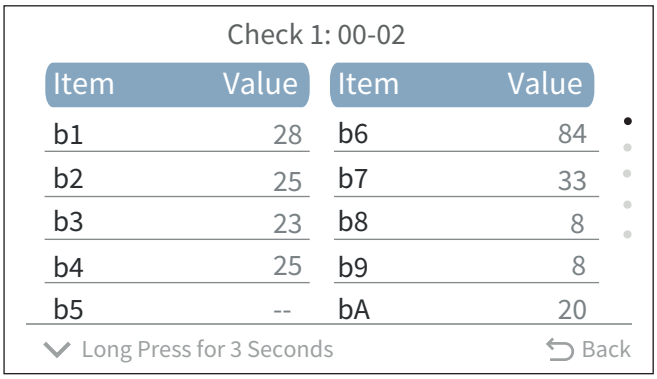
1 Select “Check 1” or “Check 2” on the “Check Menu” screen and press “OK”.




2 Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the screen in Step 3 is shown).

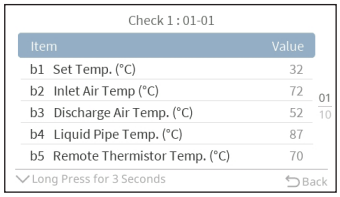



3 Press “^” or “v” to change the page of check data.

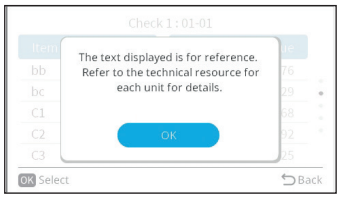



**NOTE**

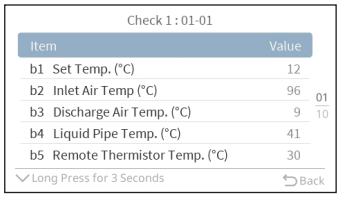
- *By pressing and holding “v” for 3 seconds or longer, the items are displayed with a description, translated in the selected language. The text displayed is for reference. Refer to the technical resource for each indoor unit for details.*




- *Press “OK” to get pass the information screen.*




- *A list of items will be displayed with the corresponding item description and its value. Short press “”“v”“” to browse through the items. By pressing “⮌” once, the display returns to the first items list screen. By pressing “⮌” again the display returns back to the “Check 1” screen.*



## ◆ Checking the current operating condition

### Contents in Check 1

| Temperature Status Display | | | |
|---|---|---|---|
| 1 | Set Temp. | b1 | 22 |
| 2 | Inlet air temperature | b2 | 20 |
| 3 | Outlet air temp | b3 | 55 |
| 4 | Liquid pipe temp. | b4 | 20 |
| 5 | Remote thermistor temperature | b5 | 25 |
| 6 | Outdoor temp. | b6 | 10 |
| 7 | Gas pipe temperature | b7 | 25 |
| 8 | Evaporating temp. at heating | b8 | 02 |
| 9 | Control information | b9 | -- |
| | Condensing temp. at cooling | b9 | 06 |
| 10 | Comp. top temperature | bA | 41 |
| 11 | Thermo temp. of wired controller | bb | 23 |
| 12 | Control information | bC | 00 |
| **Unit control display** | | | |
| 13 | I.U Micro-computer | C1 | ϟ |
| 14 | O.U Micro-computer | C2 | - |
| 15 | I.U Control software number | C3 | 0000 |

Continue to next page

When Auto Cool/Heat is activated with the dual set point option, both temperature settings are displayed by “b1” parameter

Normal ------- Temperature indication

Abnormal → -- Or 00 (for “10 Comp. top temp.” only) → Thermistor is disconnected or PCB is broken

Abnormal → FF → Thermistor is short circuited or PCB is broken

Wired remote controller checks connection parts on PCB

**NOTE**

*During transition such as start-up, “--” may be indicated temporarily.*

The value is indicated only when the remote thermistor is installed. Otherwise “--” is indicated.

For the indoor unit with multiple thermistors. For Evaporating Temperature at Heating, the minimum temperature is indicated.

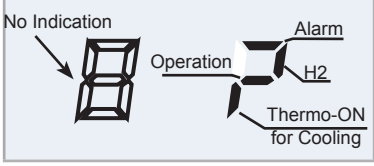
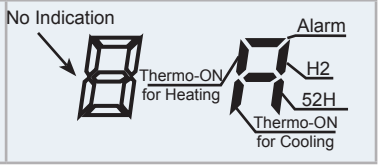
The internal information of the wired remote controller is indicated. For multi-type indoor units, the number of running compressors is indicated.

The inlet gas temperature is indicated.

“FF” is indicated if the temperature is above 201ºC. For the indoor unit installed with multiple compressors, the average temperature of the running compressor is indicated.

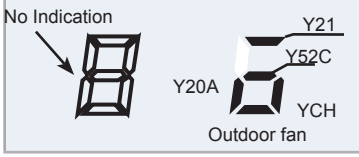
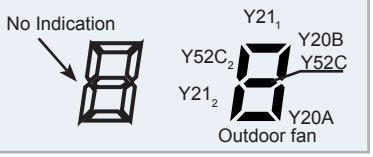
For flexible multi-type, the value of Inverter Compressor in Unit A is indicated.

**Segments Indication**

| Cool only type unit | Cool heat type unit |
|---|---|
|  |  |



**Segments Indication**

| Tenant type unit (except for multi-type unit) | Multi-type uni |
|---|---|
|  |  |



**NOTE**

*If the (output) relay is not listed depending on the type of the indoor unit, there is no indication.*

Continue from previous page

⇩

| Stopping cause state indication | | | |
|---|---|---|---|
| 16 | Stopping cause state indication | d1 | 01 |

⇩

Continue to next page

Refer to “Cause of Indoor Unit Stoppage”

## ◆ Cause of Stoppage

| Code | Cause |
|---|---|
| 01 | Operation OFF, Power OFF |
| 02 | Thermo-OFF |
| 03 | Alarm*1 |
| 04 | Freeze Protection, Overheating Protection |
| 05 | Instantaneous Power Failure at Outdoor Unit/Reset*2 |
| 06 | Instantaneous Power Failure at Indoor Unit/Reset*3 |
| 07 | Stoppage of Cooling Operation due to Low Outdoor Air Temp. Stoppage of Heating Operation due to High Outdoor Air Temp. |
| 09 | Stoppage of Reversing Valve Switching Control |
| 10 | Demand Enforced Stoppage |
| 11 | Retry due to Pressure Ratio Decrease |
| 12 | Retry due to Low Pressure Increase |
| 13 | Retry due to High Pressure Increase |
| 14 | Retry due to Abnormal Current of Constant Speed Compressor |
| 15 | Retry due to Vacuum Abnormality, Discharge Gas Temp. Increase |
| 16 | Retry due to Decrease of Discharge Gas Superheat |
| 17 | Retry due to Inverter Tripping |
| 18 | Retry due to Voltage Decrease, Other Retry of Inverter |
| 19 | Expansion Valve Opening Change Protection |
| 20 | Operation Mode Difference between IDU and ODU/ Stoppage of Operation Mode Switching during Operation |
| 21 | Enforced Thermo-OFF*4 |
| 22 | Enforced Thermo-OFF (Hot Start Control at Crankcase Heater Preheating) |
| 23 | Enforced Stoppage of compressor due to DIP switch (DSW) Setting |
| 24 | Thermo-OFF during Energy-Saving Operation |
| 26 | Retry due to High Pressure Decrease |
| 27 | Retry due to Operation of Outdoor Blower Protector |
| 28 | Stoppage due to Outlet Temp. Decrease in Cooling |
| 29 | Retry due to Abnormal Current during MS Motor Synchronous Operation |
| 30 | Stoppage of Thermo-OFF due to Compressor Excepting |
| 32 | Retry due to Abnormal Transmission of Outdoor Unit |
| 33 | Enforced Thermo-OFF due to Enforced Cleaning Operation |
| 34 | Stoppage of Thermo-OFF by Motion Sensor |
| 35 | Retry due to Abnormal Refrigeration Cycle |
| 36 | Retry after Defrosting Operation |

## NOTE

- **1 Even if stoppage Alarm “02” is not always indicated. If the unit is thermo-OFF due to another cause of stoppage prior to alarm occurrence, the code of the cause remains.*
- **2 The outdoor unit equipped with an inverter resets ODU Micro-Computer if the transmission between inverter PCB and outdoor unit PCB is interrupted for 30 seconds. Therefore, the stoppage cause code when Alarm 04 occurs may be “05”.*
- **3 IDU Micro-Computer is reset if the transmission between the indoor unit and the outdoor unit is interrupted for 3 minutes. Therefore, the stoppage cause code when Alarm 03 occurs may be “06”.*
- **4 If the stoppage cause code “21” is indicated on the indoor unit of twin, triple, or quad, check the stoppage cause of other indoor unit numbers.*

Continue from previous page

| Abnormality counter | | | |
|---|---|---|---|
| 17 | Times of abnormality | E1 | 01 |
| 18 | Times of power failure | E2 | 00 |
| 19 | Times of abnormal transmitting (remote controller-outdoor unit) | E3 | 00 |
| 20 | Times of inverter tripping | E4 | 00 |

This number is incremented when transmission error occurs between Wired Remote Controller and Indoor units and the error remains for 3 minutes or longer.

The maximum count is 99. (99 is indicated for 99 or more)

| Control Information Display | | | |
|---|---|---|---|
| 21 | Control information | F1 | 00 |

| Pressure / Frequency | | | |
|---|---|---|---|
| 22 | Discharge Pressure | H1 | 18 |
| 23 | Inlet pressure | H2 | 04 |
| 24 | Control Information | H3 | 44 |
| 25 | Operating frequency (Hz) | H4 | 44 |

For units without high pressure sensor, the value for H1 is a control information. Unit is (×0.1MPa). Value for unit A is shown for multi-type units.

For units without high pressure sensor, the value for H2 is a control information. Unit is (×0.1MPa). Value for unit A is shown for multi-type units.

Internal information of Wired Remote Controller is shown.

Operating frequency of the compressor is shown. (Max. number for this item is 255) For units without inverter compressor, the value for H4 is a control information.

| Indoor unit capacity / Model / System number display | | | |
|---|---|---|---|
| 26 | Indoor unit capacity | J1 | 08 |
| 27 | Outdoor unit model | J2 | F.01 |
| 28 | System number | J3 | 01 |
| 29 | System number | J4 | 00 |

Indoor unit capacity code

| Model code | |
|---|---|
| Indication | Model |
| H | Heat pump |
| P | Inverter |
| F | Multi (SET-FREE) |
| C | Cooling only |
| E | Other |
| b | IVX, individual operation |
| L | KPI |

**1: n indicates the quantity of the indoor units that are connected to the system (n=01-16). "E.00" is shown if communication error is occurred between indoor units and outdoor units.*

**2: For former outdoor units (models before 2010 April), "P" is shown.*

J3:01-64 (Set the shipping status of RSW5 to 01 and decimal representation)

J4:00-3F(Set the shipping status of RSW5 to 00 and hexadecimal representation)

| Code | Indoor unit capacity number | Equivalent horse power |
|---|---|---|
| 06 | 22 | 0.8 |
| 08 | 28 | 1.0 |
| 10 | 36 | 1.3 |
| 11 | 40 | 1.5 |
| 13 | 45 | 1.8 |
| 14 | 50 | 2.0 |
| 16 | 56 | 2.3 |
| 18 | 63 | 2.5 |

| Code | Indoor unit capacity number | Equivalent horse power |
|---|---|---|
| 20 | 71 | 2.8 |
| 22 | 80 | 3.0 |
| 26 | 90 | 3.3 |
| 32 | 112 | 4.0 |
| 40 | 140 | 5.0 |
| 48 | 160 | 6.0 |
| 64 | 200 - 224 | 7.5 - 8.0 |
| 80 | 280 | 10.0 |

Continue to next page

Continue from previous page

| | | | |
|---|---|---|---|
| **Electronic Expansion Valve** | | | |
| 30 | IDU Electronic Expansion Valve (%) | L1 | 20 |
| 31 | ODU Electronic Expansion Valve (%) | L2 | 99 |
| 32 | ODU Electronic Expansion Valve 2 (%) | L3 | 99 |
| 33 | ODU Electronic Expansion Valve B (%) | L4 | 00 |
| **Compressor status (reference)** | | | |
| 34 | Compressor Current (A) | P1 | 20 |
| 35 | Compressor Time | P2 | 00000 |
| **Sensor Status Display** | | | |
| 36 | Motion Detector Sensitivity (%) | q1 | 00 |
| 37 | Radiant temp. sensor (ºC) | q2 | 00 |
| 38 | Motion Detector 1 Sensitivity (%) | q3 | 00 |
| 39 | Motion Detector 2 Sensitivity (%) | q4 | 00 |
| 40 | Motion Detector 3 Sensitivity (%) | q5 | 00 |
| 41 | Motion Detector 3 Sensitivity (%) | q6 | 00 |
| 42 | Setting Temp. Collected value (ºC) | q7 | 00 |

For flexible multi-type, the value of Unit A is indicated.

The total value is displayed if multiple compressors are operating.
Primary (input) current is displayed for inverter compressor.

Possible longest time is shown for multi-type units.

Continue to next page

## ◆ Data just before the latest failure

### Contents of Check 2

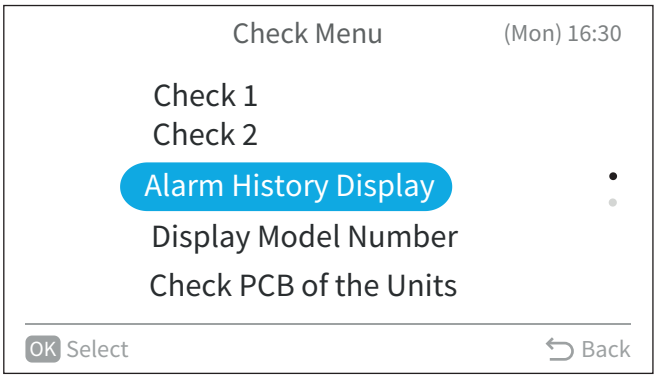
Press "∨" to go to the next page. Press "∧" to go to the previous page.

| | | | | |
|---|---|---|---|---|
| Continue from previous page | | | | |
| ⇩ | | | | |
| **Temperature Status Display** | | | | |
| 1 | Inlet Air Temperature | q1 | 23 | → Corresponds to item "b2" in Check 1. |
| ⇩ | | | | |
| 2 | Outlet Air Temperature | q2 | 50 | → Corresponds to item "b3" in Check 1. |
| ⇩ | | | | |
| 3 | IDU Heat Exchanger Liquid Piping (frozen) Temperature | q3 | 25 | → Corresponds to item "b4" in Check 1. |
| ⇩ | | | | |
| 4 | Outdoor Temperature | q4 | 12 | → Corresponds to item "b6" in Check 1. |
| ⇩ | | | | |
| 5 | Gas Pipe Temp. | q5 | 25 | → Corresponds to item "b7" in Check 1. |
| ⇩ | | | | |
| 6 | Evaporating Temp. at Heating | q6 | 03 | → Corresponds to item "b8" in Check 1. |
| ⇩ | | | | |
| 7 | Control Information | q7 | -- | → Corresponds to item "b9" in Check 1. |
| ⇩ | | | | |
| 8 | Compressor temperature | q8 | 45 | → Corresponds to item "bA" in Check 1. |
| ⇩ | | | | |
| **Pressure / Frequency** | | | | |
| ⇩ | | | | |
| 9 | Discharge Pressure | q9 | 18 | → Corresponds to item "H1" in Check 1. Unit is (×0.1MPa). |
| ⇩ | | | | |
| 10 | Inlet Pressure | qA | 04 | → Corresponds to item "H2" in Check 1. Unit is (×0.1MPa). |
| ⇩ | | | | |
| 11 | Control Information | qb | 44 | → Corresponds to item "H3" in Check 1. |
| ⇩ | | | | |
| 12 | Operating Frequency (Hz) | qC | 44 | → Corresponds to item "H4" in Check 1. |
| ⇩ | | | | |
| **Electronic Expansion Valve** | | | | |
| 13 | IDU Electronic Expansion Valve (%) | qd | 20 | → Corresponds to item "L1" in Check 1. |
| ⇩ | | | | |
| 14 | ODU Electronic Expansion Valve1 (%) | qE | 99 | → Corresponds to item "L2" in Check 1. |
| ⇩ | | | | |
| **Current Value (reference)** | | | | |
| 15 | Compressor Current (A) | qF | 20 | → Corresponds to item "P1" in Check 1. |

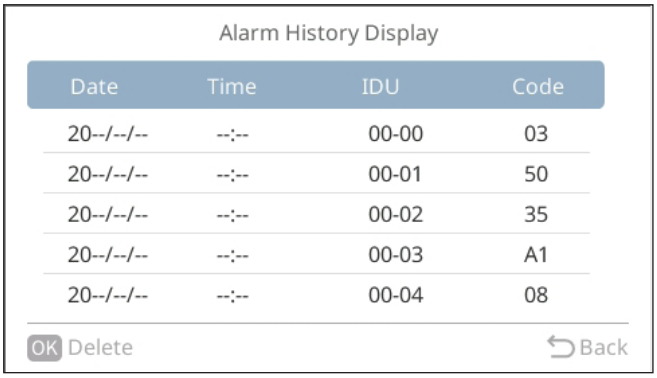
### 6.3.2 Alarm History Display

Alarm history can be browsed and deleted.

1 Select “Alarm History Display” on “Check Menu” and press “OK”.



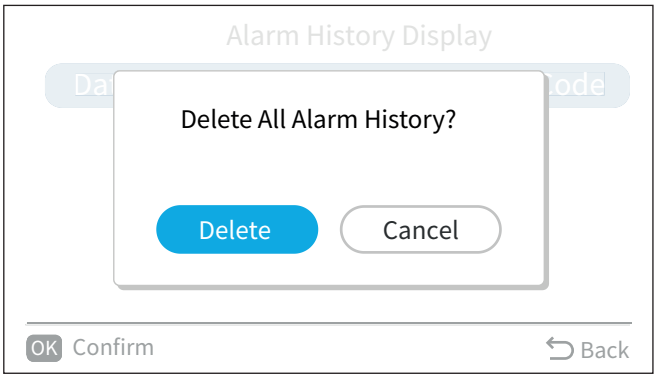

2 Press “^” or “v” to change”Alarm History Display” page.




3 Press “OK” to delete alarm history, confirmation window appears.

Select “Delete” and press “OK”. Alarm history is deleted and the screen returns to Step2.

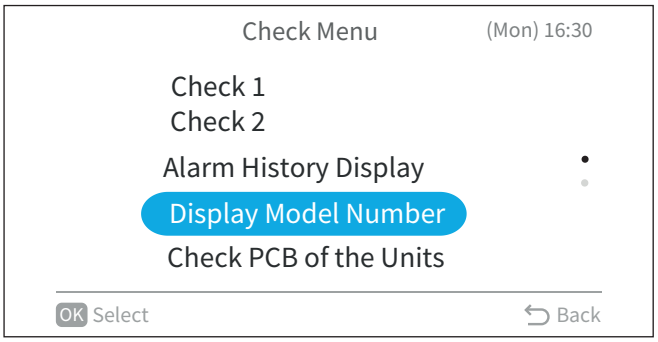
When “Cancel” is selected, the screen returns to the Step2.




### 6.3.3 Model display function

Model type, unit type, and unit number are shown (this information is available only for compatible indoor units)

1 Select “Display Model Number” on “Check Menu” and press “OK”.




2 System and Address.

System and address of the indoor units that are connected to Wired Remote Controller are shown in a list.

Selected indoor unit is highlighted.

The following information on indoor units that are connected to Wired Remote Controller are shown in turn.

**a.** System and address

**b.** Model type number of the outdoor unit

**c.** Model type and unit number of the indoor unit

**d.** Model type and unit number of the outdoor unit

If multiple indoor units are connected to the Wired Remote Controller, (**a**) to (**d**) are shown in turn for each indoor unit.

After showing all information for all indoor units, check menu screen is automatically shown.

3 Model type of the outdoor unit is shown on right bottom of the screen.

| Indication | Model type |
|---|---|
| b | PAC inverter models (independent operation unit (including single unit)) |
| F | PAC inverter models (*)(simultaneous operation unit (including single unit)) Multi-types (Cool and heat/ Cooling only) |
| U | Air conditioners for facility (Remote control switch constant speed type) Temperature Clean air conditioner (Standard) |
| C | Cooling only unit |
| L | Total Heat Exchanger |
| U1 | Temp Clean air conditioner (intermediate temperature) |
| o1 | Intermediate temperature air conditioners for industrial use Air conditioners for facility (separate type) (Remote controller inverter type) Large floor type |
| E | Others |

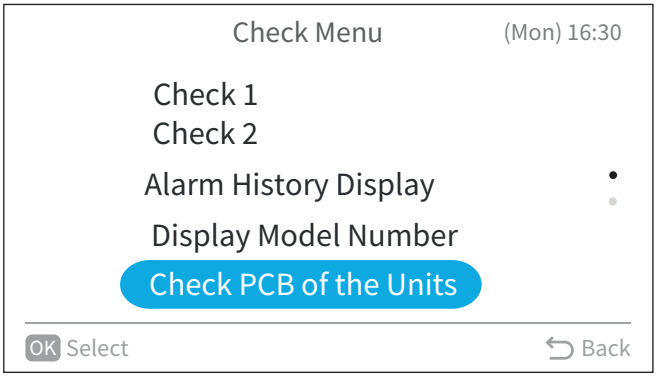
** For former outdoor units (models before 2010 April), “P” is shown.*

4 Unit number of the indoor unit/outdoor unit is shown on right bottom of the screen, note that not all units show the model type or unit number. Unit number consists of 8 numbers but only the last 6 numbers are shown on Wired Remote Controller.

### 6.3.4 Check PCB of the Units

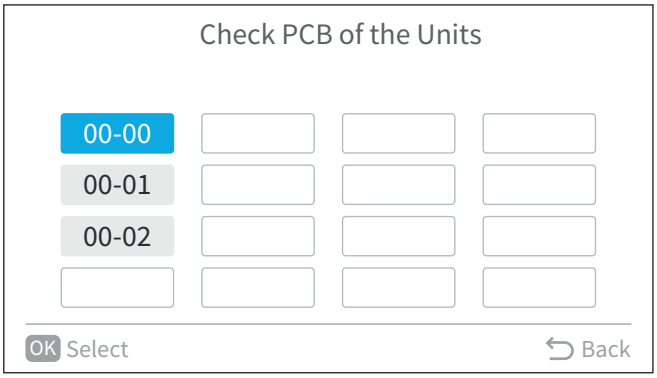
This function is used to Self check the PCB of the indoor and outdoor units.

**1** Select “Check PCB of the Units” on the “Check Menu” screen and press “OK”.

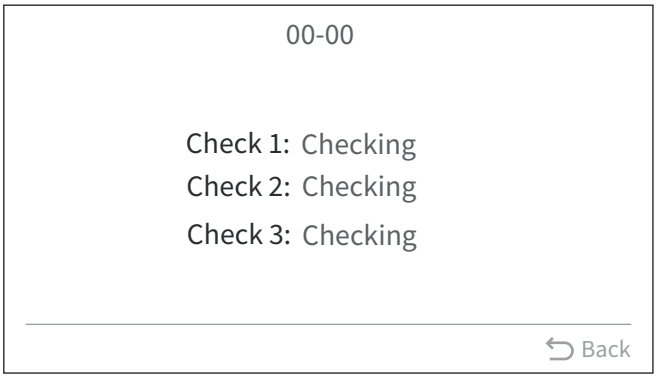



**2** Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”.

If there is only one indoor unit connected to the wired remote controller, this screen is not displayed (the screen in Step3 is shown).




**3** Check result is shown.




#### ◆ Unit check result

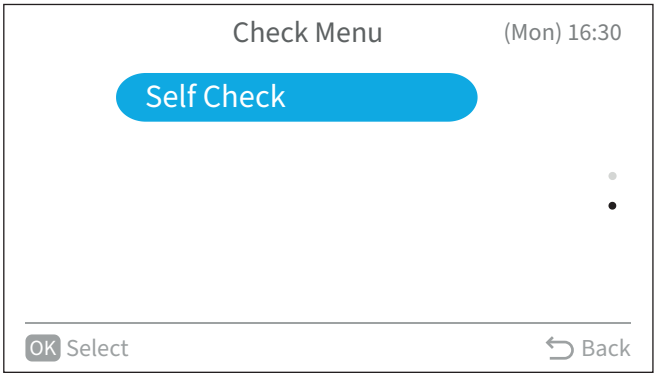
| Indoor Unit PCB | |
|---|---|
| 00 | Normal |
| 01 | Abnormality of inlet air temperature thermistor |
| 02 | Abnormality of outlet air temperature thermistor |
| 03 | Abnormality of liquid temperature thermistor |
| 04 | Abnormality of remote thermistor |
| 05 | Abnormality of gas pipe temperature thermistor |
| 07 | Abnormality of transmission of outdoor unit |
| 08 | Abnormality of transmission of central station |
| 0A | Abnormality of EEPROM |
| 0b | Zero Cross input Failure |
| EE | Abnormality of transmission of Indoor unit during check (Wired remote controller ↔ Indoor unit) |

| Outdoor Unit PCB | |
|---|---|
| 00 | Normal |
| F4 | ITO Input failure |
| F5 | PSH Input failure |
| F6 | Abnormality of protection signal detection circuit |
| F7 | Abnormality of phase detection |
| F8 | Abnormality of transmission of inverter |
| FA | Abnormality of high pressure sensor |
| Fb | Abnormality of compressor discharge gas temperature thermistor |
| FC | Abnormality of low pressure sensor |
| Fd | Abnormality of evaporating temperature thermistor at heating |
| FE | Depending on the outdoor unit model:<br>• *Abnormality of gas piping temperature* thermistor<br>• *Abnormality of condensing temperature (heat exchanger)* |
| FF | Abnormality of ambient air temperature thermistor |

### 6.3.5 Self check

Self check of the remote controller PCB can be performed. During the test, the internal memory of the controller (EEPROM) can be cleared and reset to factory settings.

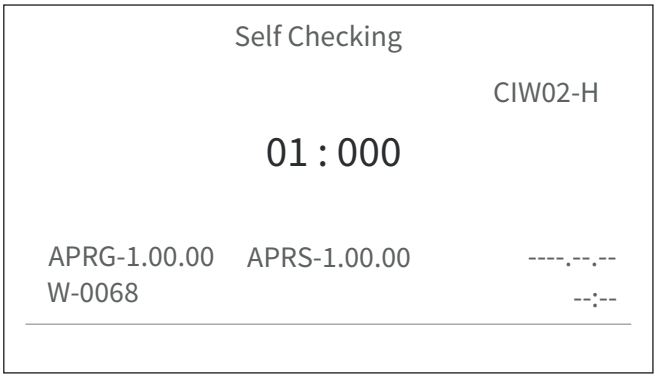
**1** Select “Self check” on the “Check Menu” screen and press “OK”.




**2** Software version check

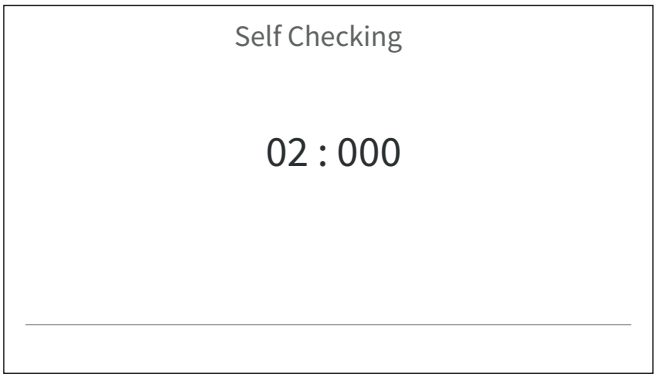
Software version is shown. If long press “⌄” and “⮌” for 3 seconds, EEPROM is cleared.

Refer to EEPROM process. Else, turn to Step3.




**3** LCD check

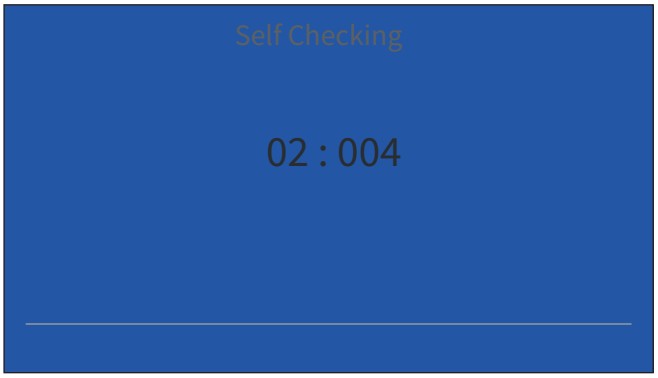
Press “OK” and show white screen. Press “⌄”, screen color changes.



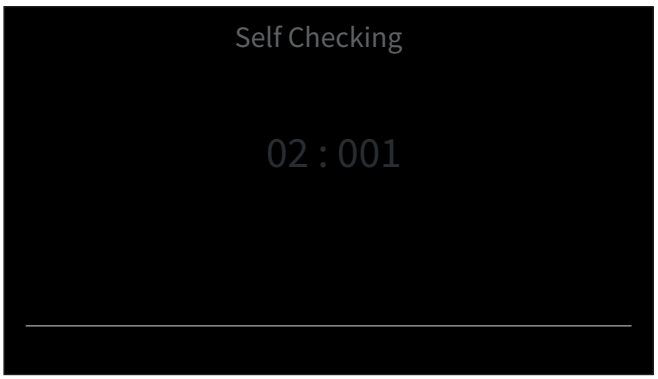

(Red)



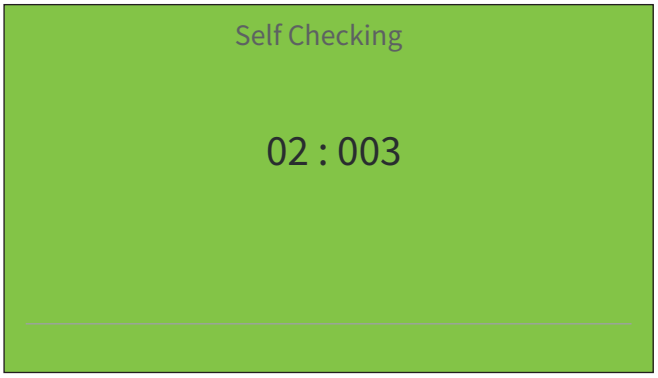

(Blue)



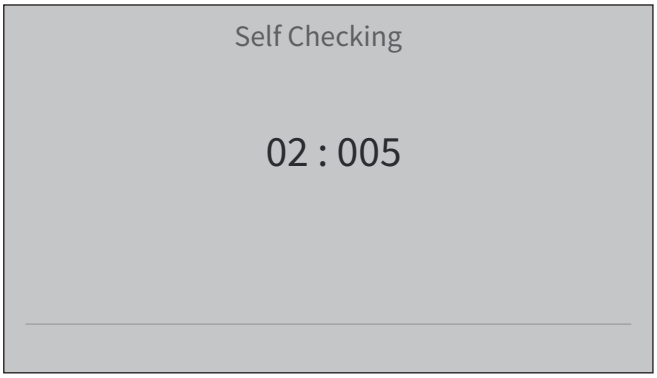

(Black)




(Green)



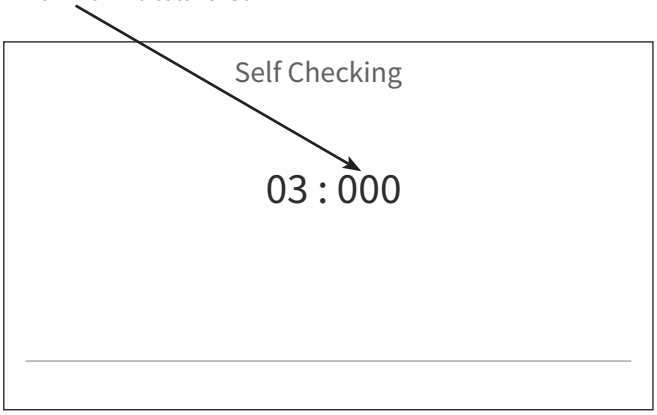
(Grey)




**4** Back light check

03: Back light check

04: Run indicator check

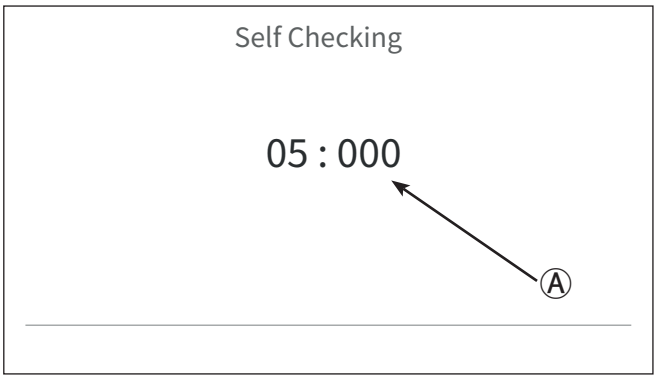



Press "〉" on Wired Remote Controller. Back light brightness gradually increases.

**5** Run indicator check

Press "〉" on Wired Remote Controller. Run indicator lights from red to green.

**6** Switch input check




Press each switch once a time. The switches sequence is as follows: "⏻"→"〈"→ "〈"→ "〉"→ "〉" → "OK" → "⮌"

The number in area indicated with Ⓐ increases by 1 with each switch pressing.

**NOTE**

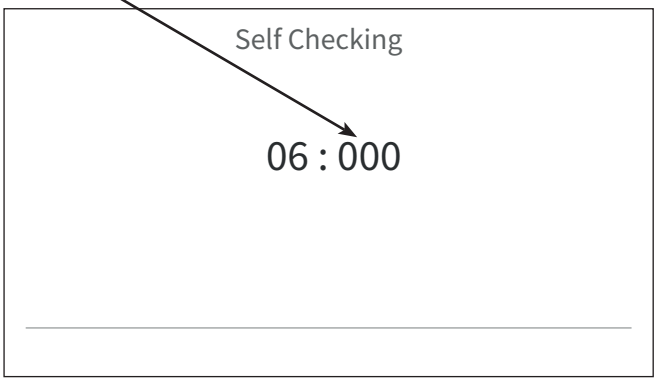
- *The number increases regardless of the order of the switch pressing.*
- *The switch pressing is not counted if 2 or more switches are pressed simultaneously.*

**7** Buzzer check

Press "〉" on Wired Remote Controller. Buzzer volume gradually increases.

06: Buzzer check

07: Transmission check

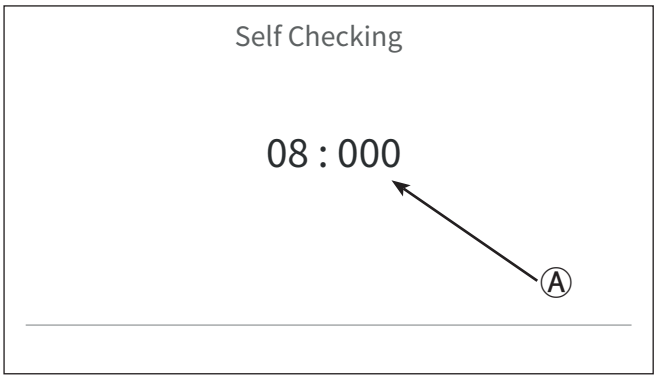



**8** Transmission check

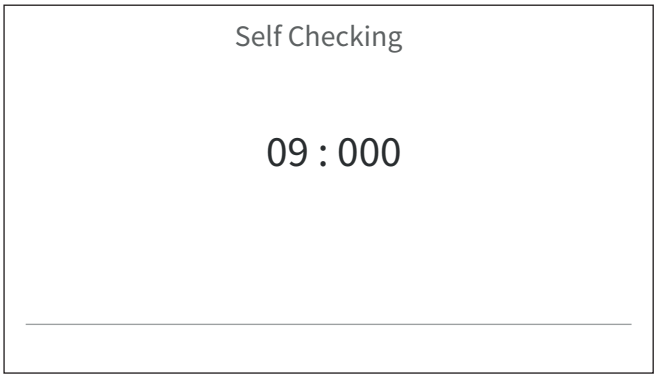
Wired Remote Controller then automatically starts transmission checking.

**9** Thermistor check

The temperature on the remote controller thermistor is shown in area indicated with Ⓐ .

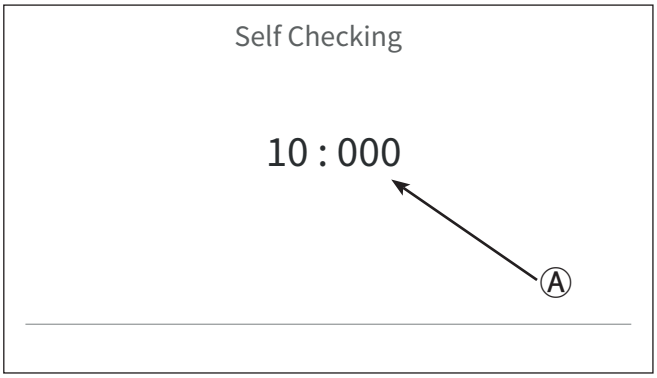



**10** RTC check



**11** Flash memory check

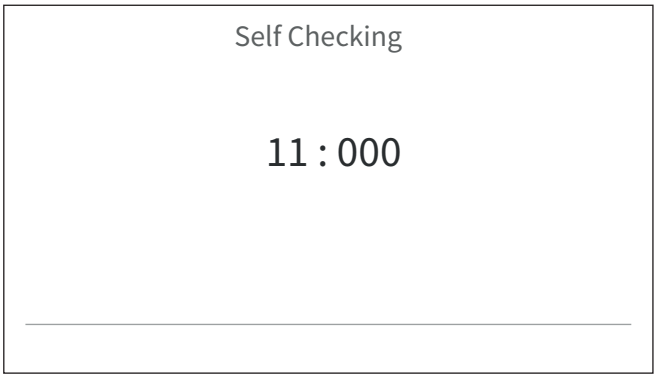
Check flash memory.




**NOTE**

*The checking process does not proceed to the next if "999" is shown in the area indicated with Ⓐ .*

**12** EEPROM check




- To keep EEPROM as it is:

  Press "⌵".

- To clear EEPROM

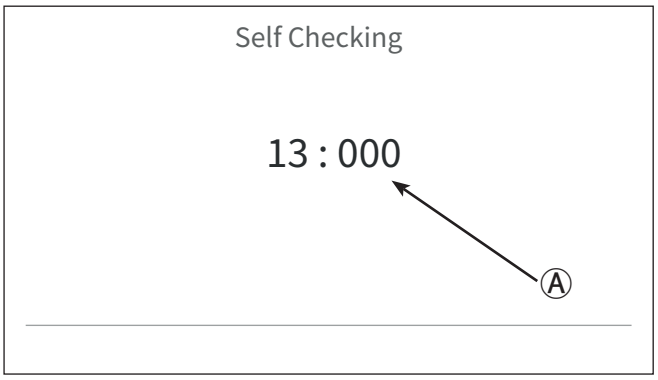
  Press "OK" or leave the screen for 15 seconds, EEPROM data is automatically cleared. Number is shown in the area indicated with Ⓐ . "999" indicates defective EEPROM.

**NOTE**

*The checking process does not proceed to the next if "999" is shown in the area indicated with Ⓐ .*

**13** After seconds, Wired Remote Controller automatically finishes Self Checking process and restarts .

### ◆ EEPROM process



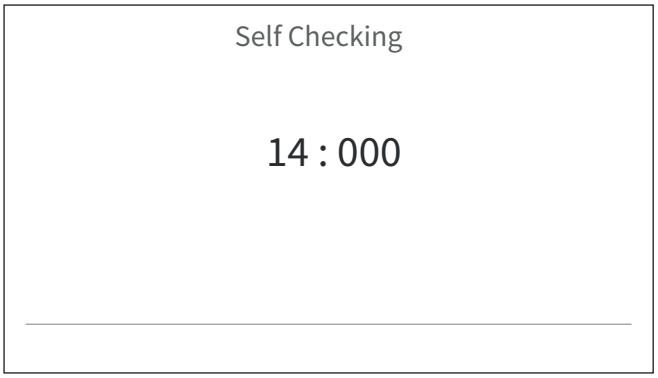

**1** Clear EEPROM

Wired Remote Controller automatically starts EEPROM clear process.

**2** After seconds, Wired Remote Controller automatically finishes Self Checking process and restarts.

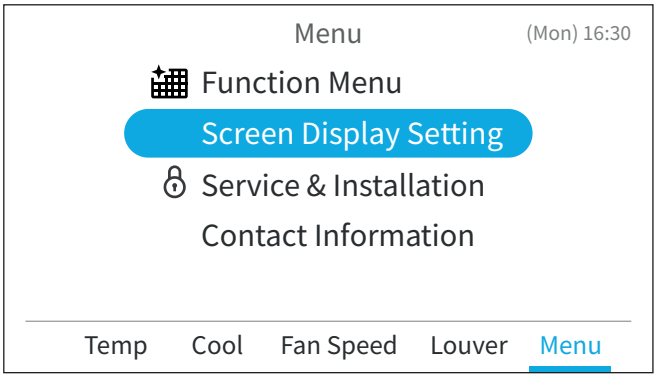
Turn the power OFF on indoor units after self checking.

After all indicators on the remote controller are OFF, turn ON the power of the indoor unit again.



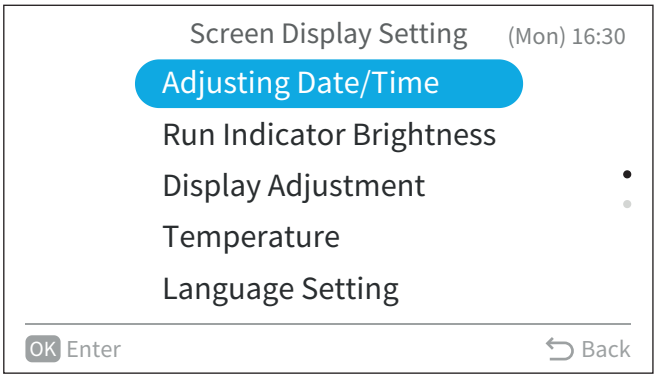
# 7 SCREEN DISPLAY SETTING MENU

1 Select “Screen Display Setting” on the “Menu” screen and press “OK”.




2 Press “^” or "v" to select setting item and press "OK". Press”⮌” to return to “Menu” screen.

- If there is no operation on the display setting screen for about 10 minutes, the screen automatically returns to the home screen.
- Various settings are saved even when the power supply is off.




Time and Date settings are recommended as this will be used by other functions like alarm history and timers.

Periodic checks of the time setting are recommended.(Clock accuracy: difference within ±70 seconds by a month)

With this controller, the installed electric battery will allow continued operation for 72 hours. Reset the date and time if the controller remains without power for longer than 72 hours or the main power supply is OFF for a long period of time.

When adjusting time from the main controller, the sub controller of the same refrigerant cycle will be set at the same time.

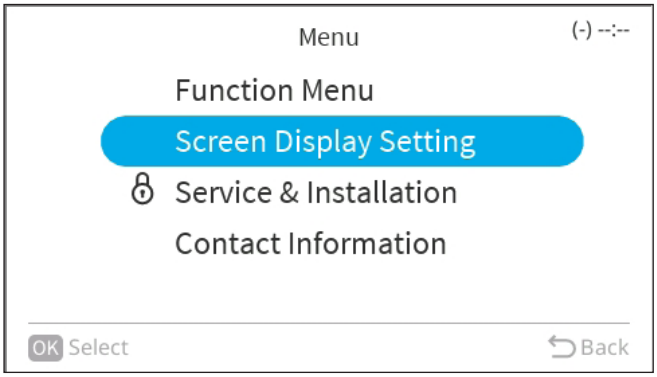
**NOTE**

*It is possible to adjust time from the sub controller. If more than two minutes' modification is done, the main controller will be set at the same time. (Please check the main and sub display on the home screen. If it is not displayed, check “6.1.12 Main Remote Setting”)*

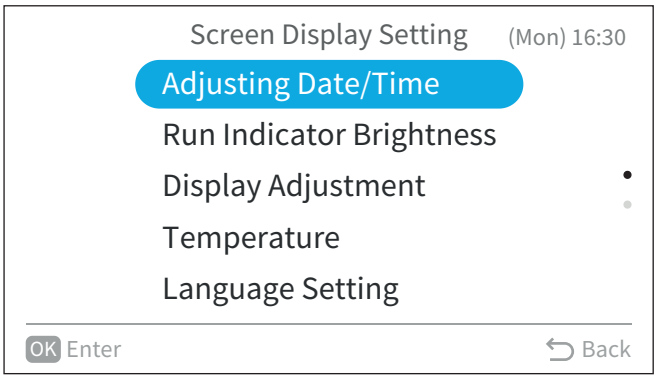
## 7.1 ADJUSTING DATE / TIME

1 While the air conditioner is stopped, press “>” to select “Menu” and press “OK”.
While the air conditioner is operating, press “>” to select “Menu” and display the Menu screen.

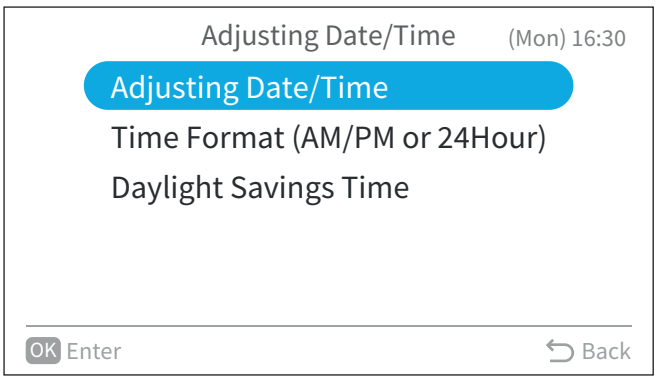
2 Select “Screen Display Setting” and press “OK”.



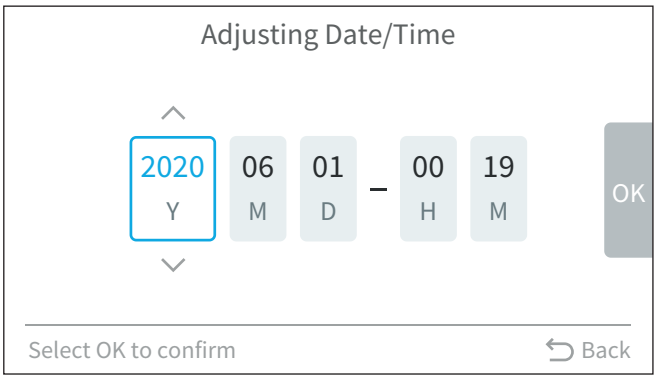

3 Select “Adjusting Date/Time” and press “OK”.




4 Select “Adjusting Date/Time” and press “OK”.



5 Press “<”, or “>” to select “yyyy/mm/dd/hh/mm”.
Press “^” or “v” to change the settings.
Press and hold “^” or “v” to increase or decrease continuously.
The day of the week changes.

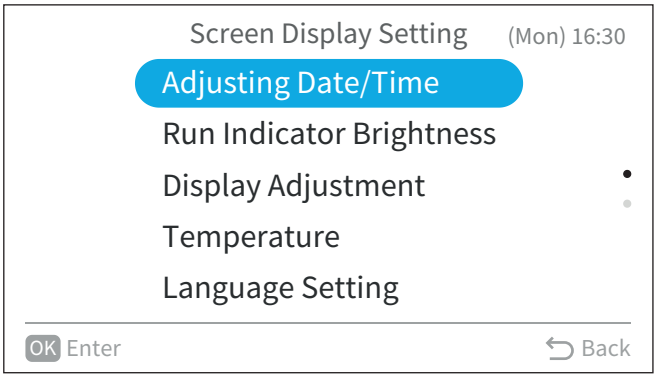



6 After making all settings,
If select “OK” and press “OK”, the screen returns to Step4.
If press”⮌”, the confirmation screen displays.
Select “Save” and press “OK” to save the setting. The screen returns to Step4.
Select “Not Save”, the screen returns to Step4 without any setting changes.
If press “⮌” again, the screen returns to Step5.

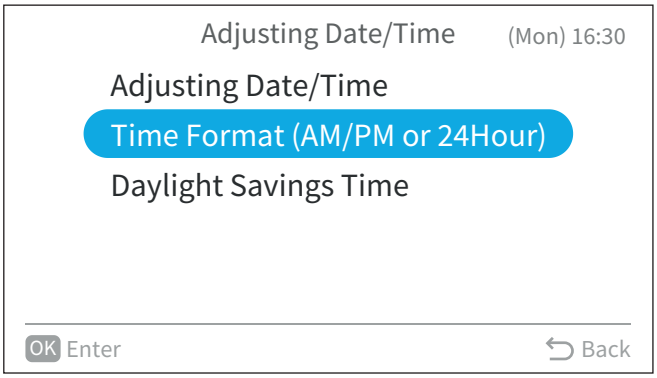
### 7.1.1 Time Format

Set time format

1 Select “Adjusting Date/Time” on the “Screen Display Setting” screen and press “OK”.

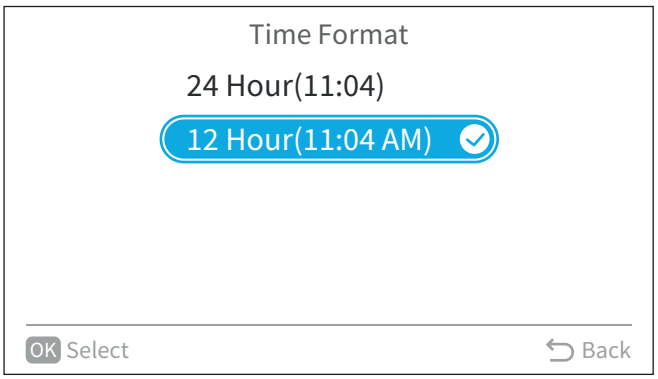



2 Press “^" or "v" to select "Time Format" and press "OK".




3 Press “^" or "v" to select 24 hour or 12 hour and press "OK".

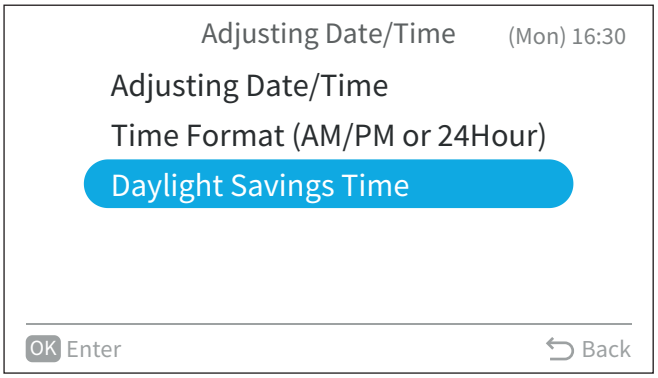
4 Press “⮌” to return to Step2.



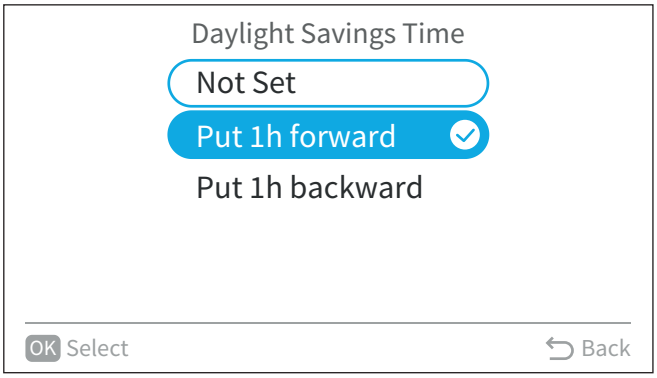

### 7.1.2 Daylight Savings Time

This function adjusts time forward or backward an hour when daylight savings time starts or ends.

1 Select “Daylight Savings Time” on the “Adjusting Date/Time” screen and press “OK”.

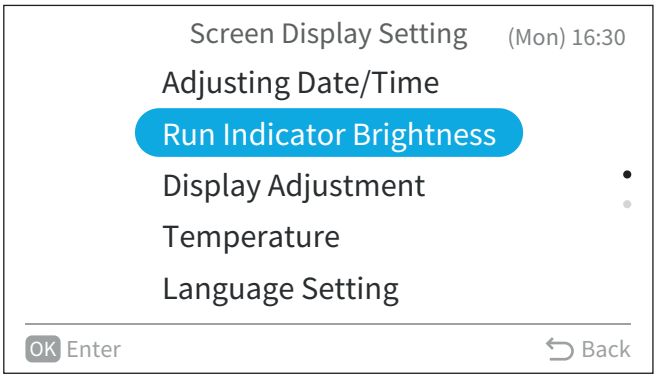


2 Press "^" or "v" to select the setting and press "OK".

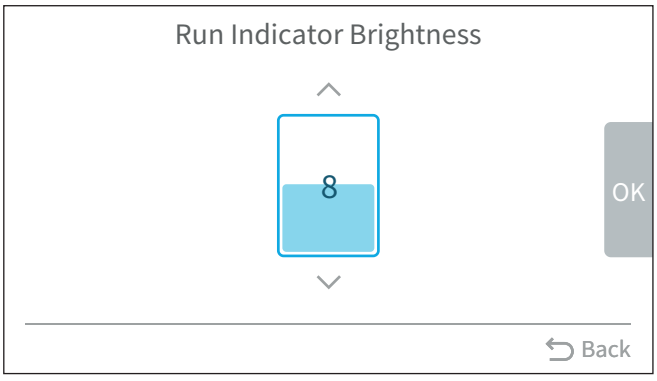



### 7.1.3 Run Indicator Brightness

1 Select "Run Indicator Brightness" on the "Screen Display Setting" screen and press "OK".




2 Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to the "Screen Display Setting" screen.




### 7.1.4 Display Adjustment

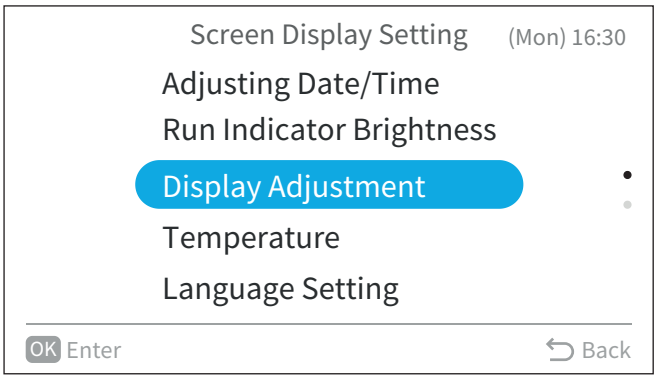
| Function | Action |
|---|---|
| Backlight Brightness | Adjust the brightness of the backlight. |
| Backlight Off Time | Change the time when the backlight turns dark after inactivity. |

**NOTE**

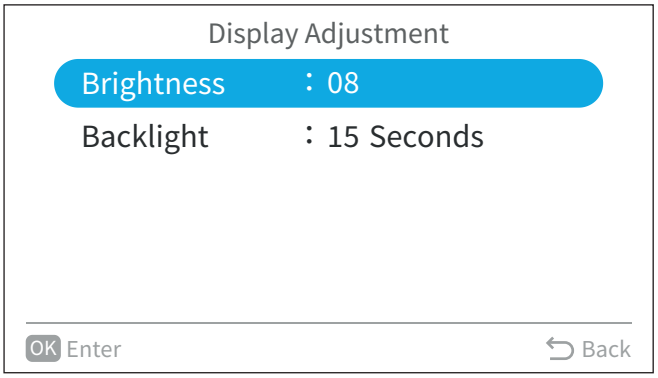
*When connecting with two remote controllers, the maximum backlight brightness is 8.*

#### ◆ Backlight Brightness

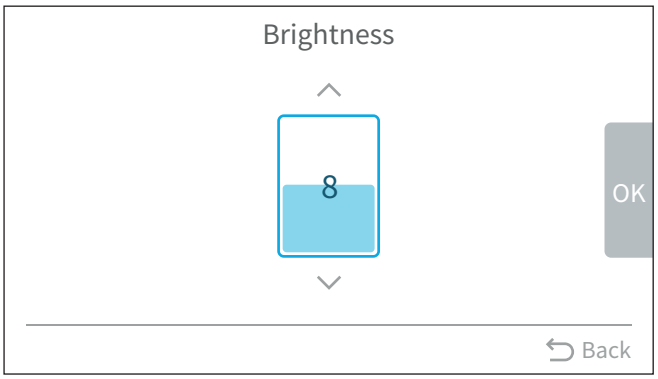
1 Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".




2 Select "Brightness" and press "OK".

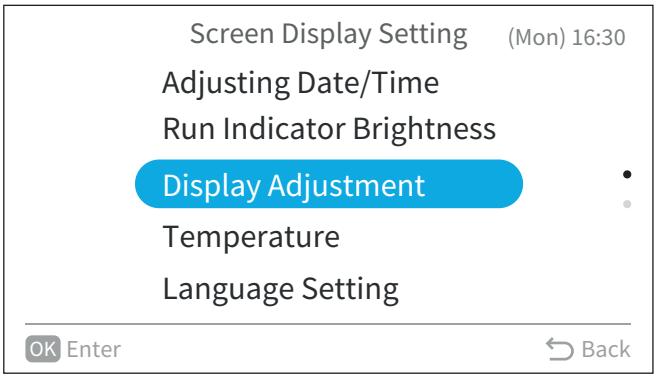



3 Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to Step2.

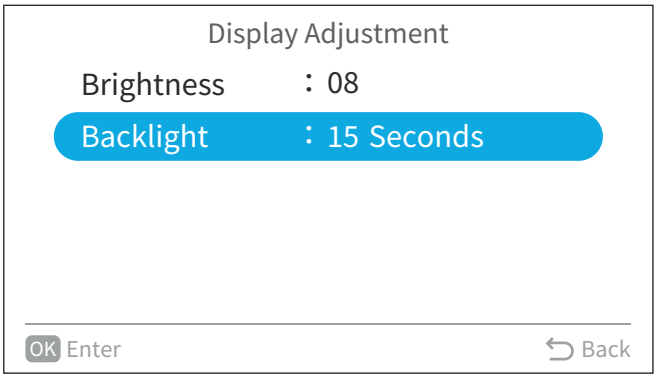


### ◆ Backlight Off Time

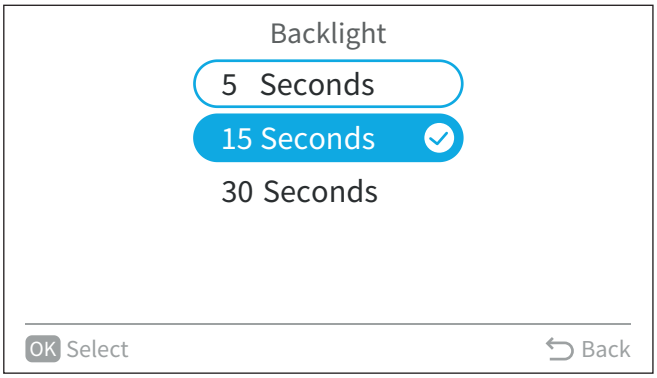
1 Select “Display Adjustment” on the “Screen Display Setting” screen and press “OK”.




2 Select “Backlight” and press “OK”.




3 Press “^” or "v" to select the off time intervals and press “OK”. The item changes as follows:
“5 seconds” ↔ “15 seconds” ↔ “30 seconds”.

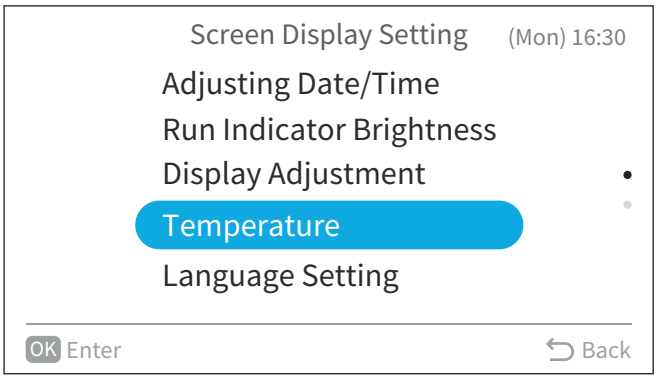



## 7.1.5 Temperature

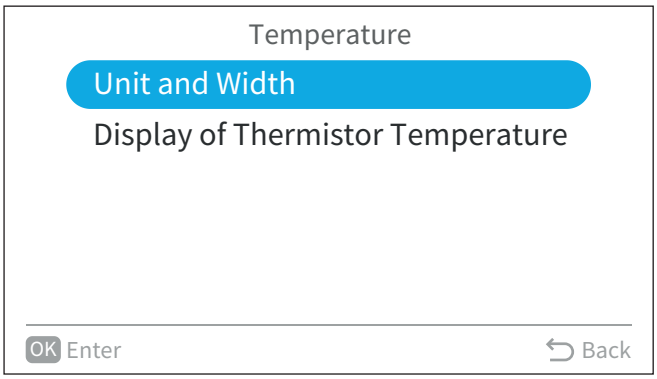
| Function | Action |
|---|---|
| Unit and Width | Change temperature unit and width. |
| Display of Thermistor Temperature | Show/hide the thermistor temperature display on the home screen. |

### ◆ Temperature Unit and Width

1 Select “Temperature” on the “Screen Display Setting” screen and press “OK”.

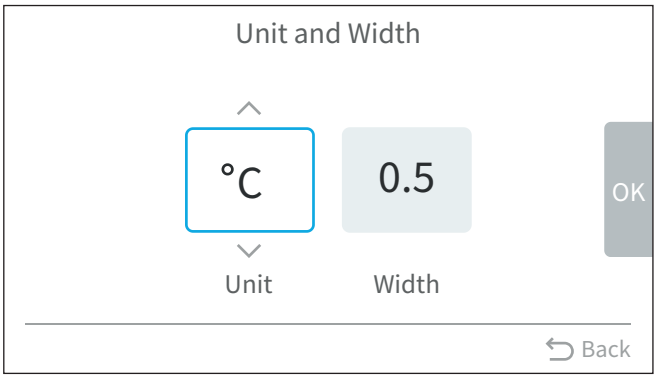



2 Press “^” or "v" to select "Unit and Width" and press "OK".



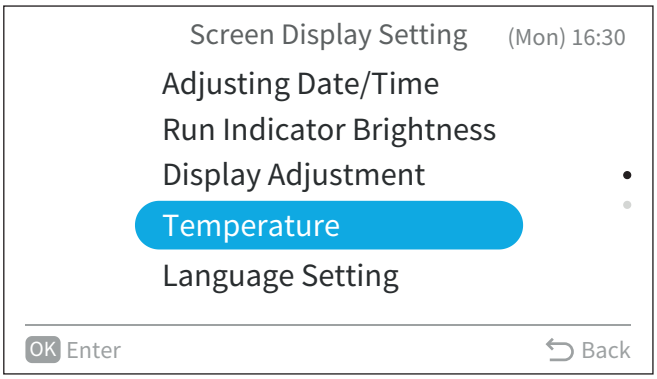

3 Press “<” or “>” to select unit or width. Press “^” or "v" to change the setting.

- When the unit is selected, it change as below.
  °F ↔ °C
- When the width is selected, it changes as below.
  0.5 ↔ 1 (The width can be set only when the unit is °C.)
- After making all settings, select "OK" and press "OK", the screen returns to Step2.

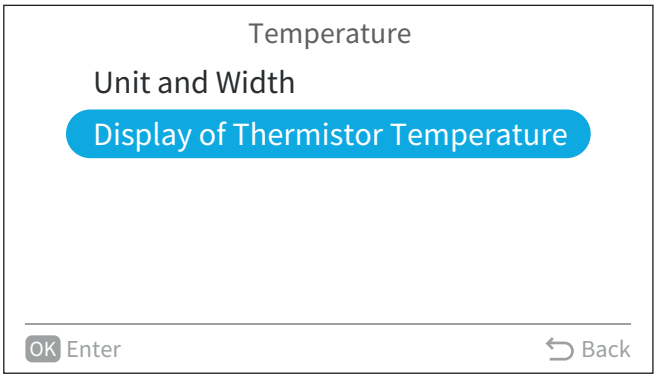



### ◆ Display of Thermistor Temperature

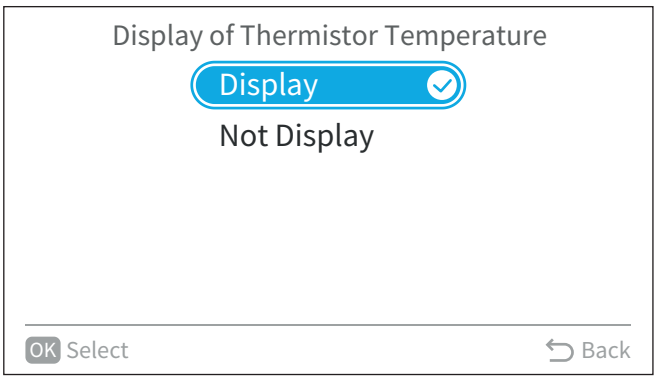
1 Select “Temperature” on the “Screen Display Setting” screen and press “OK”.




2 Press “^” or "v" to select "Display of Thermistor Temperature" and press "OK".




3 Press “^” or "v" to select the setting and press “OK”. Press “⮌” to return to Step2.

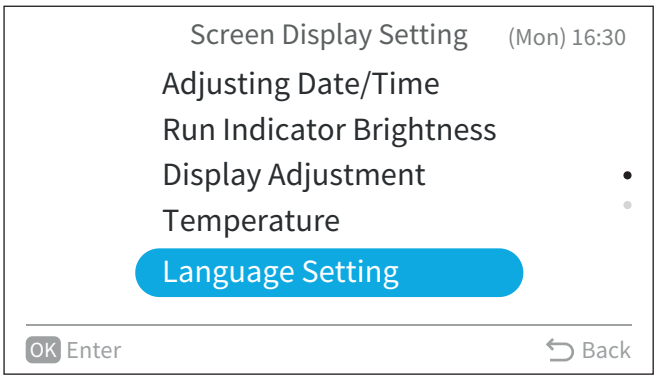



## 7.1.6 Language Setting

This function is to change the displayed language.

Selectable language: Japanese, English(°C), English(ºF), Simplified Chinese, Traditional Chinese, French, Portuguese, or Spanish.

1 Select “Language Setting” on the “Screen Display Setting” screen and press “OK”.



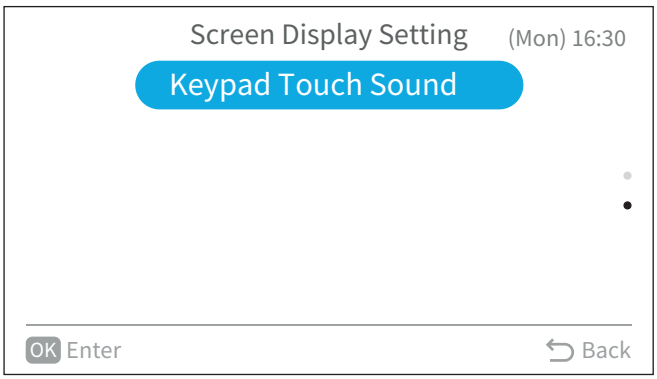

2 Press “^” or "v" to select the language and press "OK". Press “⮌” to return to “Screen Display Setting” screen.



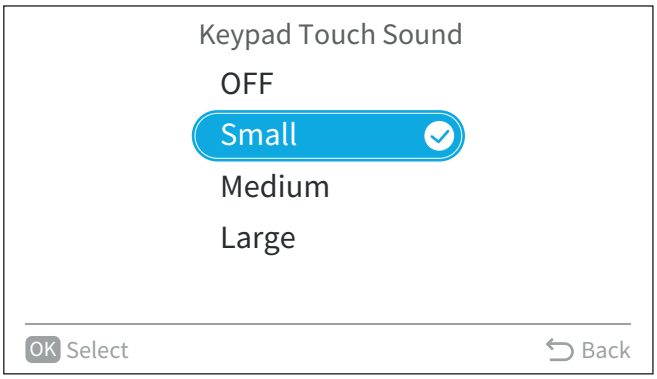

## 7.1.7 Keypad Touch Sound

This function is to change the touch sound on keypad.

1 Select “Keypad Touch Sound” on the “Screen Display Setting” screen and press “OK”.



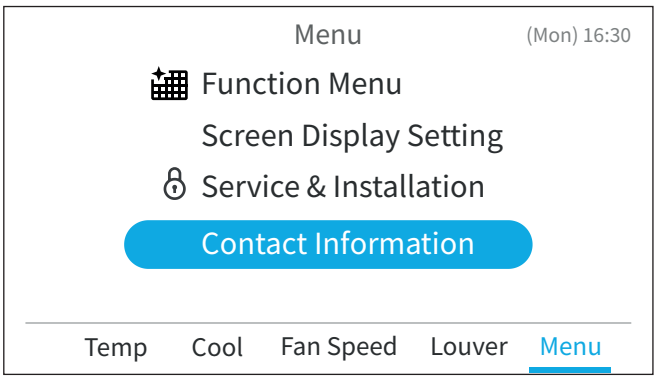
2 Press "^" or "v" to select the sound volume and press "OK".
Press "⮌" to return to "Screen Display Setting" screen.



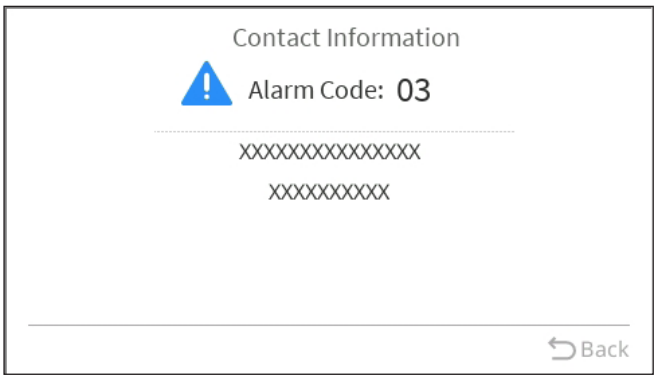

# 8 CONTACT INFORMATION MENU

The screen displays service contact information and the latest alarm code.

1 Select "Contact Information" from the "Menu" screen and press "OK".



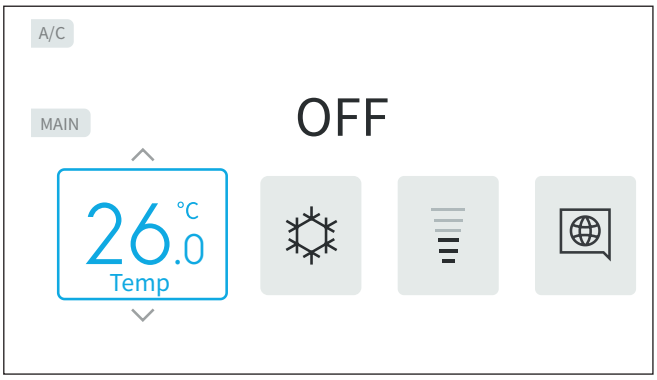

2 Display service contact information and the latest alarm code.
Press"⮌" to return to the "Menu" screen.



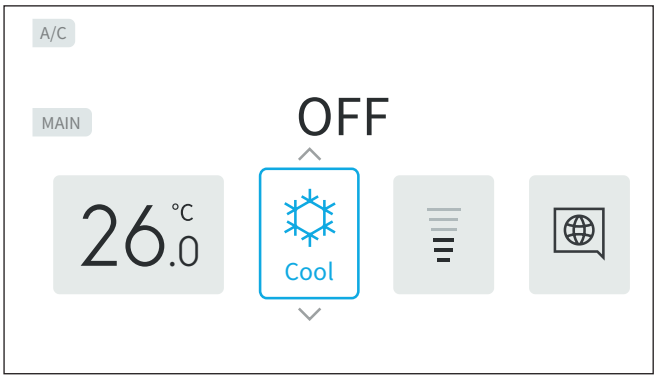

# 9 HOTEL MODE SETTING

When the advanced wired remote controller is set to hotel mode, the home screen and menu are changed. For how to set the hotel mode, refer to *"6.2.3 Hotel Mode Setting"*.

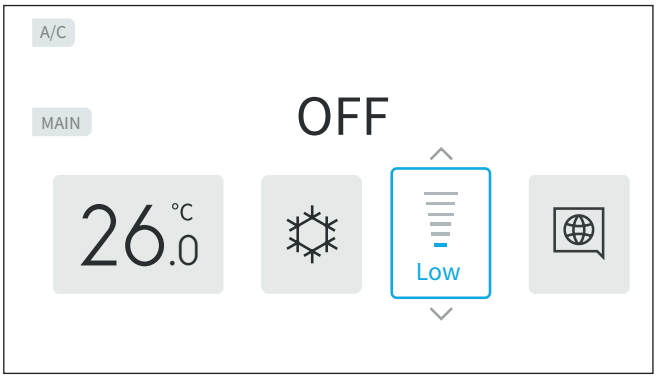
- When the air conditioner is OFF
  Press "<" or ">" to select the setting item. The item changes as follows:
  "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Language" ↔ "Off Timer" ↔ "Menu".



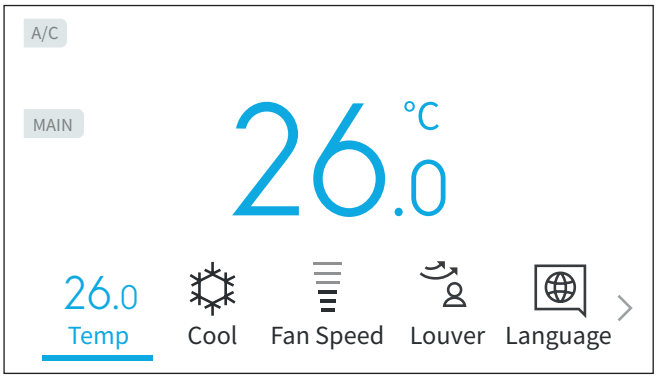

*Temperature*



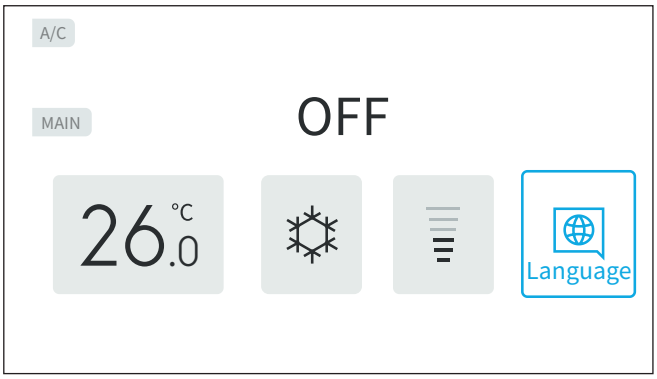

*Mode*



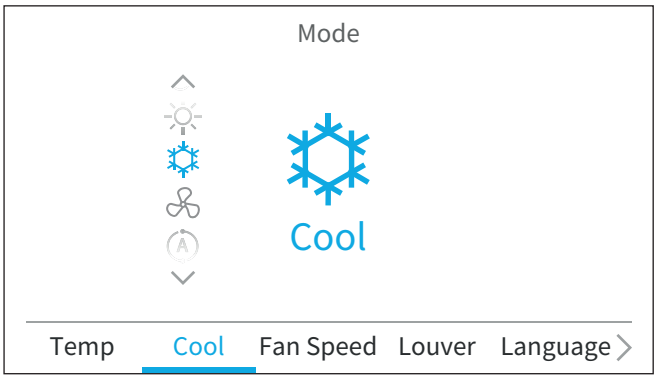

*Fan Speed*



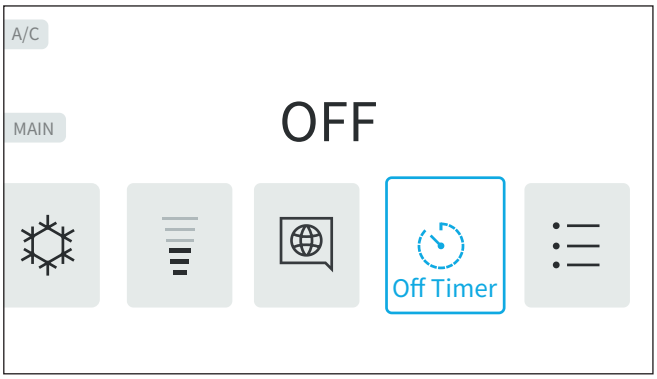

*Temperature*



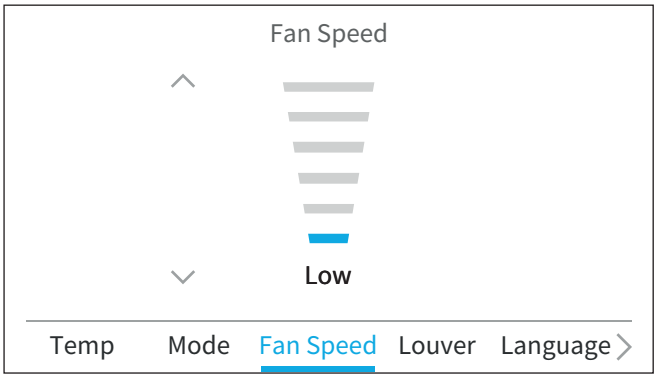

*Language*



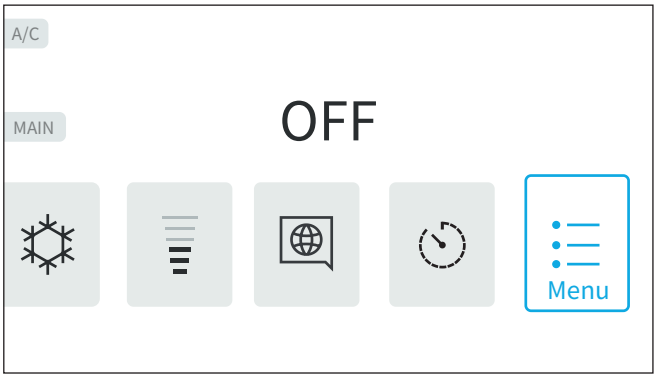

*Mode*



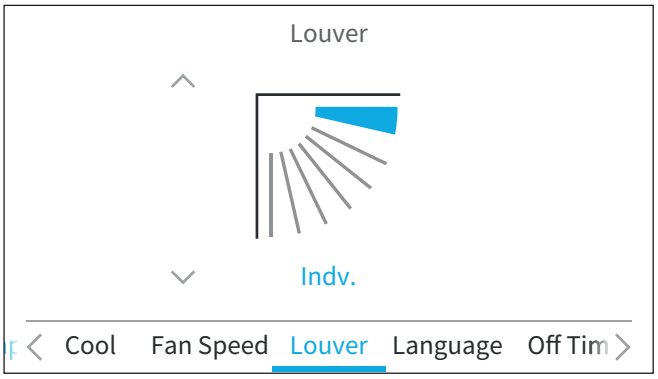

*Off timer*




*Fan Speed*




*Menu*

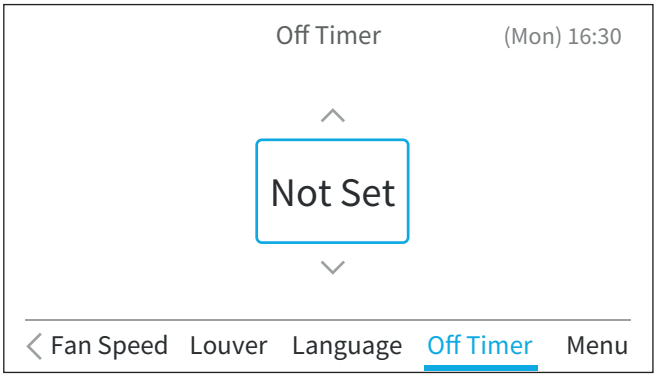



*Louver*

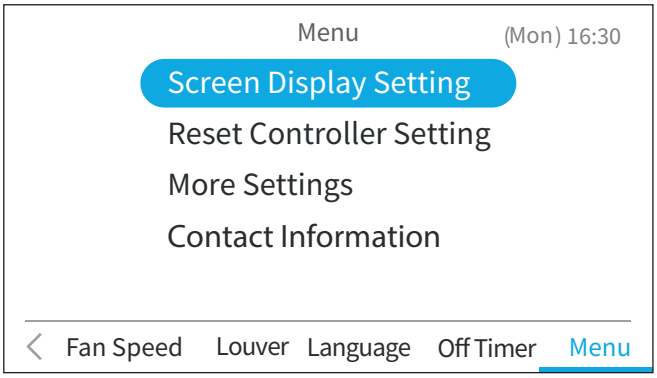
- When the air conditioner is ON
  Press "<" or ">" to select the setting item. The item changes as follows:
  "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Language" ↔ "Off Timer" ↔ "Menu".



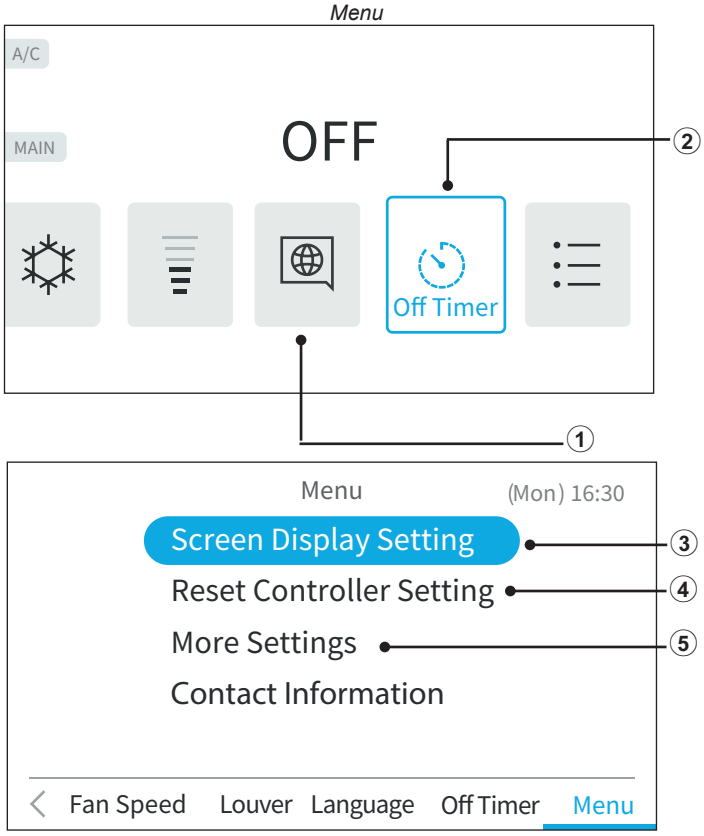

*Language*




*Off timer*




*Menu*




① Language: Change to the desired language.

② Off Timer: Turn off the air conditioner after the desired time.

③ Screen Display Setting: Make settings for screen display. Please refer to *"7 Screen Display Setting menu"*.

④ Reset Controller Setting: The off timer is reset to not set, the language setting is reset to English, and the temperature setting unit is reset to ºF. When the wired controller is used in a hotel, the settings are easily initialized after checking out.

⑤ More Settings: More settings when the hotel mode is not available.

## 9.1 LANGUAGE

**1** Press "〈" or "〉" to select "Language" menu in the home screen.



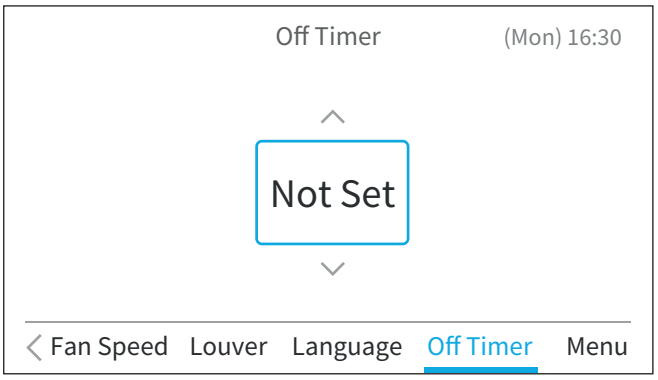

**2** Press "∧" or "∨" to select the language and press "OK".

## 9.2 OFF TIMER

**NOTE**

- *"Off timer" can be set even when the air conditioner is stopped.*
- *If the set time is reached during stop, the off timer setting is cancelled.*
- *While the wired remote controller is prohibited, "off timer" cannot stop the air conditioner operation.*

**1** Press "<" or ">" to select "Off Timer" in the home screen.

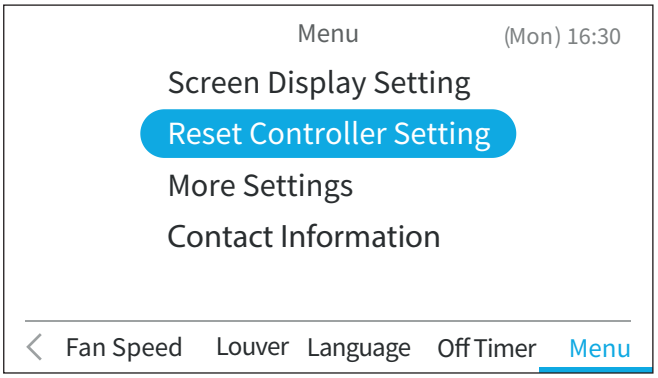



**2** Press "^" or "v" to select the timer setting and press "OK".

- Press and hold "^" or "v" to increase or decrease continuously.
- The timer can be set from 0.5 to 23 hours.
- Press "^" to increase 30 minutes of each step for 0.5 to 9.5 hours, 1 hour of each step for 10 to 23 hours.

## 9.3 RESET CONTROLLER SETTING

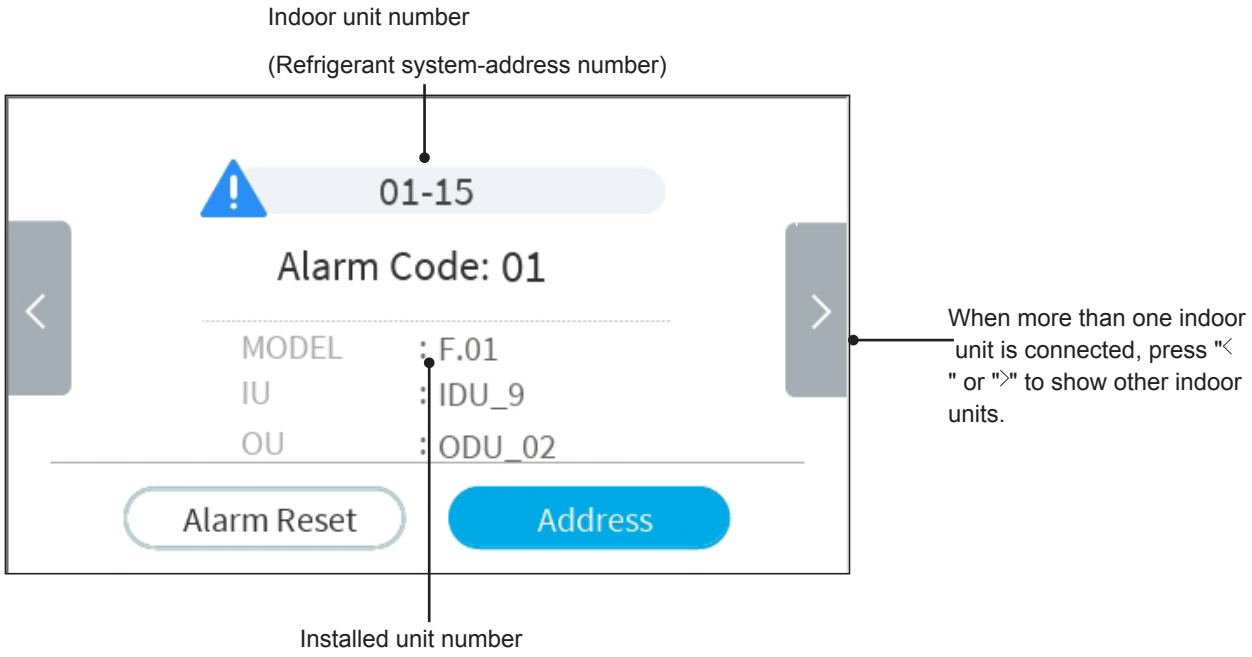
**1** Press "^" or "v" to select "Reset Controller Setting" in the "Menu" screen and press "OK".




**2** Press "<" or ">" to select "Reset" and press "OK", return to "Menu" screen. The default settings are as the following table:

| | |
|---|---|
| Off Timer | Not Set |
| Language | English |
| Unit | °F |

# 10 IN ALARM CONDITION




- The RUN indicator flashes.
- The indoor unit number, alarm code, model code, and the connected number of indoor units are displayed on the screen.
- If two or more indoor units are connected, the above functions for each indoor unit are displayed one-by-one.

## 10.1 POWER FAILURE

- All the indicators are OFF.
- Once the air conditioner is stopped by power failure for longer than 2 seconds, the air conditioner is not started again, although power recovers. Perform the starting procedures again.
- If the power recovers within 2 seconds, the air conditioner starts again automatically.

## 10.2 ELECTROMAGNETIC INTERFERENCE (EMI)

- There could be an instance where all the indications are OFF and the unit is stopped.
- This can occur through activation of the microcomputer for the air conditioner protection from the Electromagnetic Interference (EMI).
- Perform the starting procedures again.

HITACHI

Cooling & Heating

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