HITACHI

EN INSTALLATION AND OPERATION MANUAL

ES MANUAL DE INSTALACIÓN Y FUNCIONAMIENTO

DE INSTALLATIONS- UND BETRIEBSHANDBUCH

FR MANUEL D'INSTALLATION ET DE FONCTIONNEMENT

IT MANUALE D'INSTALLAZIONE E D'USO

PT MANUAL DE INSTALAÇÃO E DE FUNCIONAMENTO

DA INSTALLATIONS- OG BETJENINGSVEJLEDNING

NL INSTALLATIE- EN BEDIENINGSHANDLEIDING

SV INSTALLATION- OCH DRIFTHANDBOK

EL ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑΣ

REMOTE CONTROLLER
PC-ARFPE

HITACHI

OK

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.

Ελλhnika

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.

⚠ **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.

⚠ **PRECAUTION**

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.

⚠ **ATTENZIONE**

Indicazioni per il corretto smaltimento del prodotto ai sensi della Direttiva Europea 2002/96/EC e Dlgs 25 luglio 2005 n.151

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 poiché 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.

⚠ **BEMÆRK:**

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.

⚠ **FORSIGTIG**

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.

⚠ **LET OP**

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.

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.

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

⚠

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.

ℹ

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.

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

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 vapor 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.*

ℹ 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 and 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 INSTALLATION WORK

2.1 SELECTION OF INSTALLATION PLACE

Select a suitable place for handling and determine the installation place of the controller with the customer's acceptance.

Do not install the controller at such places as:

- Where children can touch.

- Where the air from the air conditioner is directly discharged.

Especially in case that a Remote Controller thermostat is used, select the installation place in consideration with the following points:

- Where the average room temperature is detectable.

- Where the thermostat is not exposed directly to the sun.

- Where there is no source of heat.

- Where the thermostat is not affected with the outdoor air by opening and closing doors.

Prior to the installation work, ensure that foundation is flat, level and sufficiently strong and then fix the unit securely. If the foundation is not strong enough, it may lead to injuries caused by falling of the product, electrical shock or fire.

2.2 BEFORE INSTALLATION

Check the contents and the number of the accessories in the packing.
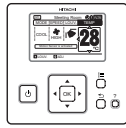
| Remote control switch for operation control | 2 screws M4x16L for fixing the holding bracket onto the wall | 1 Operation Manual |

2.3 INSTALLATION SPACE
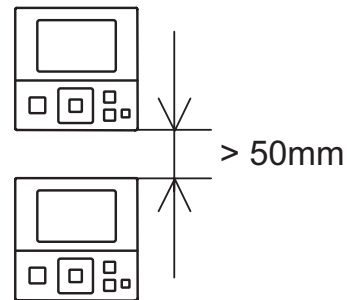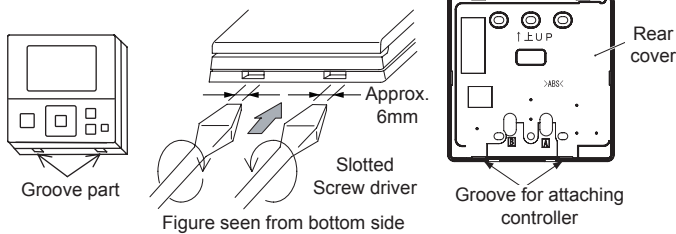
In case of installing the controllers in vertical line, keep a distance more than 50mm between the controllers vertically.

If the distance is insufficient, the controller can not be taken out.

> 50mm

2.4 INSTALLATION PROCEDURES

1 Insert the edge of the slotted screwdriver into the groove at the bottom of the holding bracket, push and turn the slotted screwdriver and then remove the remote control switch from the holding bracket.

Groove part

Approx. 6mm

Slotted Screw driver

Figure seen from bottom side

Rear cover

Groove for attaching controller

2 Attach the remote control switch to the holding bracket and connect the cable as follows:

- In Case of Exposing Remote Control Cable
  Fix the holding bracket onto the wall with screws (accessory).
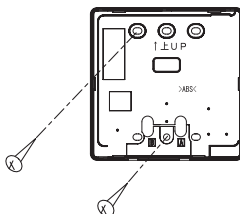
Attach the stopper (plastic band) to the cable at the inside of the draw-out hole.

Cable

Draw-out hole

Band stopper (Field-supplied)

Lead the cable with its sheath peeled through the groove.

Peel the insulation at the end of the cable and clamp the M3 solderless terminals (field-supplied).
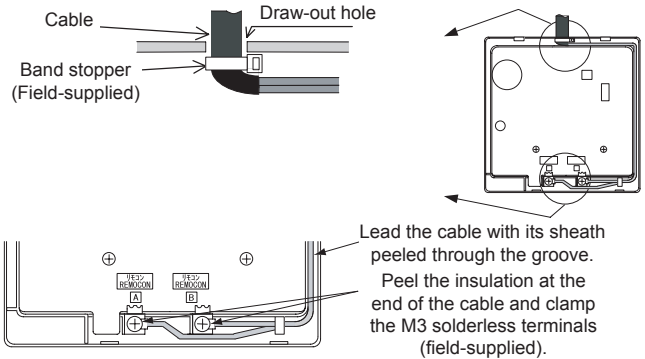
- When Using Switch Box

a. Prepare field-supplied Implanted Switch Box (JIS Box). (JIS C 8336-1988)
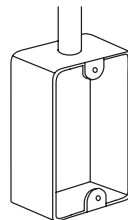
The following 5 types are available.

1. Switch Box for 1 Switch (Without Cover)
2. Switch Box for 2 Switches (Without Cover)
3. Switch Box for 1 Switch (With Cover)
4. Switch Box for 2 Switches (With Cover)
5. Outlet Box (With Cover)

b. Lead the cable through the conduit tube in the wall.

Implanted switch box (JIS Box) for 2 switches

Implanted switch box (JIS Box) for 1 switch

M4 screws (field-supplied)

c. Peel the insulation at the end of the cable and clamp the M3 solderless terminals (field-supplied).

Connect the terminals

3 Attach the remote control switch to the holding bracket. Be careful not to pinch the cable when attaching it.

4 Remove the protection film from the liquid crystal display.

Remove the protection film

3 ELECTRICAL WIRING

Wiring Example (Using a twist pair cable with shield tube)

Max 16 indoor units

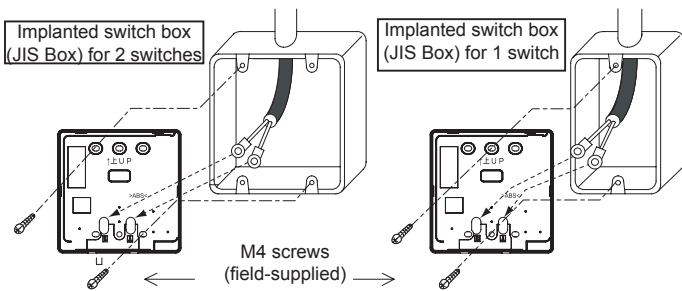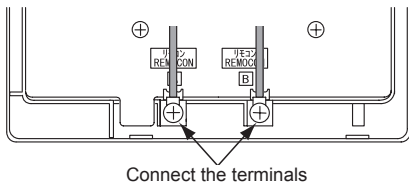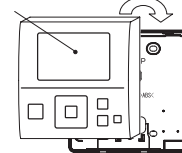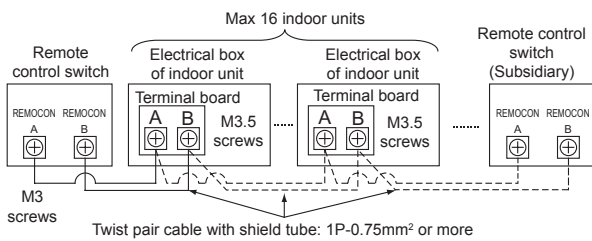Remote control switch

Electrical box of indoor unit

Electrical box of indoor unit

Remote control switch (Subsidiary)

REMOCON A   REMOCON B

Terminal board
A B   M3.5 screws

Terminal board
A B   M3.5 screws

REMOCON A   REMOCON B

M3 screws

Twist pair cable with shield tube: 1P-0.75mm² or more

⚠ CAUTION

Always make sure to turn off the power of the indoor unit when performing electrical wiring work. Performing electrical wiring work with the power on can damage the circuit boards of the indoor unit and the remote control switch.

• Remote control cable <option> Model: PRC-x K

Twist pair cable (1P-0.75mm²)

Diameter: Ø 7
Color: Ivory

Solderless Tern (X Type)
1.25-3X

50mm   100mm

The number of x indicates the length (m) of the cable (x=2, 3, 5, 8, 10, 15, 20, 30, 50, 75, 100).

The cable of 30m and over is available by ordering. (Contact the closest branch of HITACHI Appliances, Inc.).

ℹ NOTE

• *Use a 0.3 to 0.75mm² cable for connecting. The maximum total cable length is 30m. If the total cable length exceeds 30m, use a twist pair cable with shield tube (1P - 0.75mm²). In that case, the maximum total cable length is 500m. If using in combination with the control timer, the allowable total cable length is up to 100m. The use of a cable other than that specified above can cause of malfunction due to effects of noise.*

• *Keep a distance more than 30cm between the transmission line (remote control switch cable and transmission wires) and power source of the indoor units. If not, the air-conditioner may not operate properly or malfunction may occur due to effect of power source noise.*

• *In case of simultaneously controlling multiple indoor units, set the refrigerant cycle numbers and addresses of the indoor units without overlapping.*

• *Refer to the Technical Catalog provided with each indoor unit when performing electrical wiring work between the remote control switch and indoor units for setting the refrigerant cycle number and the indoor unit address.*

• *No gap shall exist between the remote control switch cable and hole of the remote control switch case. If there is a gap, cover the gap with vinyl tape. If not, malfunction may occur due to entrance of water droplets or insects.*

• *In case of operating with two remote control switches (Main and Sub), set the main and sub remote control switches by selecting the appropriate function with the remote control switches according to the chapter "6 Function Selection and setting". After setting it, turn off the power supply of all the indoor unit connected to the remote control switches.*

• *The control timer cannot be used together with this remote control switch.*
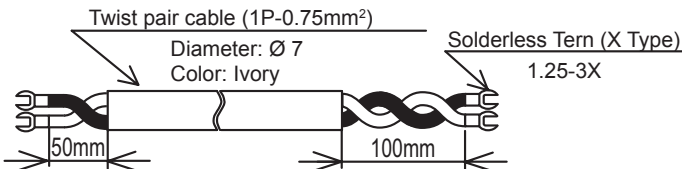
4 SWITCH NAMES AND FUNCTIONS

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

Display Part

Fan Speed Indicator

Room Name Indicator

Swing Louver Indicator

Schedule Timer Indicator ⊕
It is indicated when the schedule timer function is set.

Operation Mode Indicator
The indications of "HEAT" and "AUTO" are indicated only for the heat pump type models.

Operation Lock Indicator 🔒
It is indicated when the operation lock function is set.

Operation Guide Indicator

"Central Control" is indicated while the remote control operation is prohibited.

Filter Sign Indicator FLTR
It is indicated at the set period for filter cleaning.

Setting Temperature Indicator

Run Indicator
It lights while the unit is operated, and it flashes in an abnormal conditions.

Motion Sensor Indicator
It is indicated only for the air panel with motion sensor.

HITACHI

| A/C | Meeting Room ⊕🔒 FLTR |
| MODE SPEED LOUV | TEMP |

COOL HIGH

28 °C

Motion Sensor is activated

◀ LOUV. ⬆ ADJ

RUN/STOP Switch

OK

Menu Switch
To display Menu.

?

Help Switch
To display Help Menu.

Arrow Key

Enter Key

Return Switch
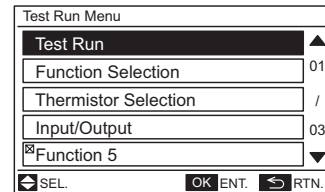To return to the previous screen.

Operation Part

ℹ NOTE

• *Do NOT press the switches hard or press with sharply pointed material such as a ball point pen. The operation part of the remote control switch may be damaged.*

• *Make sure that the switches are pressed softly with fingers.*

HITACHI

5 TEST RUN

1 Turn ON the power supply for all the indoor units.

2 For the models with the auto-address function, wait for 3 minutes approximately. The addressing is automatically performed. (There is a case that 5 minutes is required according to the setting condition.) After that, select using language from "Menu". Refer to the operation manual for details.

3 Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds.

Test run screen

  a. The test run menu will be displayed.

```
Test Run Menu
 Test Run                    ▲
 Function Selection          01
 Thermistor Selection        /
 Input/Output                03
⊠Function 5                  ▼
↕SEL.            OK ENT.  ↩RTN.
```

  b. Select "Test Run" and press "OK". The test run settings will be displayed.

```
Test Run Setting: 2 units
 MODE     :   ◄  COOL  ►
 SPEED    :       MED


↕SEL. ◄►ADJ      ⏻RUN  ↩RTN.
```
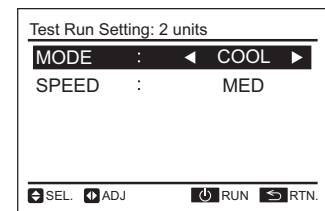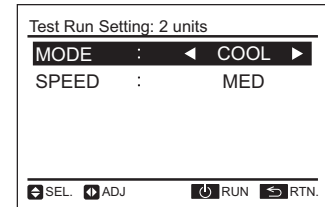
ⓘ N O T E

When "00" is indicated, the auto-address function may be performing. Cancel "Test Run" mode and set it again.

```
Test Run Setting: 00 unit
 MODE     :   ◄  COOL  ►
 SPEED    :       MED


↕SEL. ◄►ADJ      ⏻RUN  ↩RTN.
```
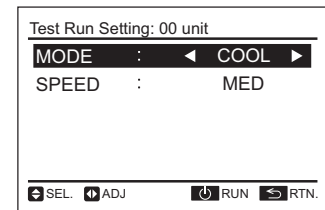
4 The total number of the indoor units connected is indicated on the LCD (liquid crystal display). The case of the twin combination (one (1) set with two (2) indoor units) is indicated "2 units", and the triple combination (one (1) set with three (3) indoor units) is indicated "3 units".
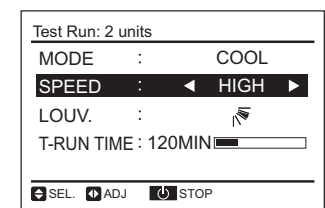
```
Test Run Setting: 2 units
 MODE     :   ◄  COOL  ►
 SPEED    :       MED


↕SEL. ◄►ADJ      ⏻RUN  ↩RTN.
```

  a. If the indicated number is not equal to the actual connected number of indoor unit, the auto-address function is not performed correctly due to incorrect wiring, the electric noise or etc. Turn OFF the power supply and correct the wiring after checking the following points; (Do not repeat turning ON and OFF within 10 seconds.)

  - Power supply for indoor unit is not turned ON or incorrect wiring.

  - Incorrect connectionn of connecting cable between indoor u nits or incorrect connection of controller cable.

  - Incorrect setting of rotary switch and dip switch (the setting is overlapped) on the indoor units PCB.
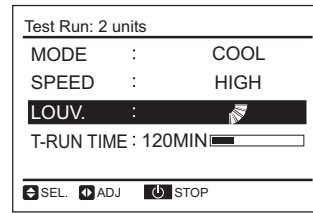
  b. Press "⏻" (run/stop) to start the test run.

  c. Press "△ ▽ ◁ ▷" and set each item.

5 Press "⏻" (run/stop). Start the test run when indicatin the air flow volume "HIGH" (default setting) and light the operation lamp. At this time, 2-hour OFF timmer will be set automatically..
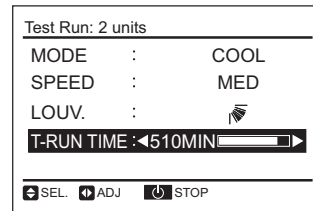
```
Test Run: 2 units
 MODE     :       COOL
 SPEED    :   ◄  HIGH  ►
 LOUV.    :       ⇗
 T-RUN TIME : 120MIN ▭▭

↕SEL. ◄►ADJ   ⏻STOP
```

6 Press "△" or "▽", select "LOUV." and select "▨" (auto swing) by pressing "◁" or "▷". The auto swing operation will be started. Check the operating sound at the louvers. If abnormal sound is not generated, press "◁" or "▷" again to stop the auto swing operation.

```
Test Run: 2 units
 MODE       :        COOL
 SPEED      :        HIGH
 LOUV.      :           ▨
 T-RUN TIME : 120MIN▭▭▭▭
 ⬆SEL.  ◀▶ADJ   ⏻ STOP
```
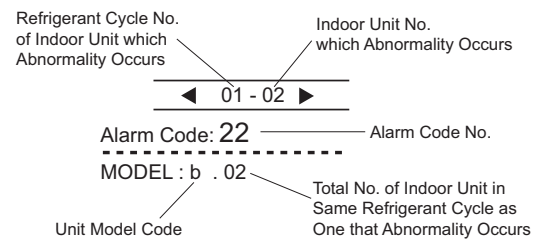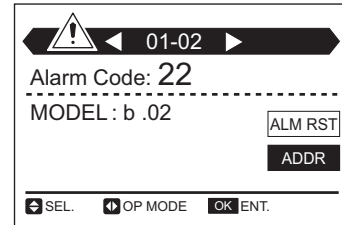
7 The temperature detections by the thermistors are invalid though the protection devices are valid during the test run.

8 For SET-FREE Series: According to the label "Checking of Outdoor Unit by 7-Segment Display on PCB1" attached to the rear side of the front cover of the outdoor unit, check temperature, pressure and the operation frequency, and connected indoor unit numbers by 7-segment displays.

9 To finish the test run, press "⏻" (run/stop) again or pass over the set test run time. When changing the test run time, press "△" or "▽" to select "T-RUN TIME". Then, set the test run time (30 to 600 minutes) by pressing "◁" or "▷"
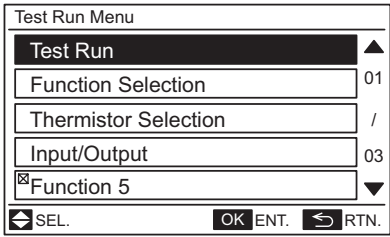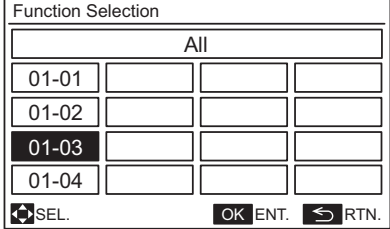
```
Test Run: 2 units
 MODE       :        COOL
 SPEED      :        MED
 LOUV.      :          ▨
 T-RUN TIME :◀510MIN▭▭▭▭▶
 ⬆SEL.  ◀▶ADJ   ⏻ STOP
```
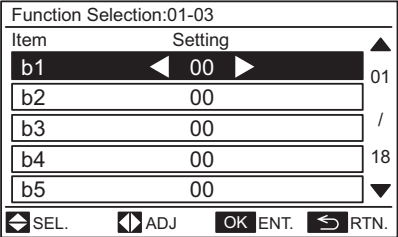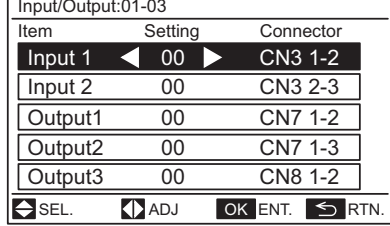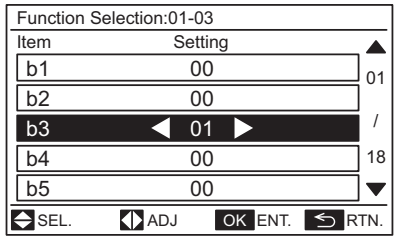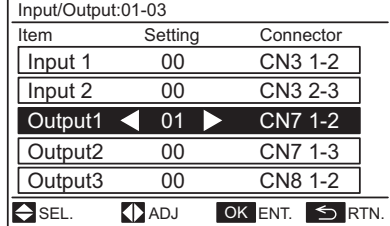
• The RUN indicator on the remote control switch flashes when some abnormalities such as protection devices activated occur during the test run as well as the RUN indicator (orange) on the indoor unit flashes (0.5 second ON/ 0.5 second OFF). Additionally, the alarm code, the unit model code and connected number of indoor units will be displayed on the LCD as shown in the figure below. If the RUN indicator on PC-ARFPE flashes (2 seconds ON/ 2 seconds OFF), it may be a failure in the transmission between the indoor unit and the remote control switch (loosening of connector, disconnecting wiring or breaking wire, etc.). In this case, check the item *"16.3 alarm codes"* and perform for troubleshooting. Consult to authorized service engineers if abnormality can not be recovered.

```
  ⚠  ◀  01-02  ▶
 Alarm Code: 22
 - - - - - - - - - - - -
 MODEL : b .02         ALM RST
                        ADDR
 ⬆SEL.    ◀▶OP MODE   OK ENT.
```

Refrigerant Cycle No. of Indoor Unit which Abnormality Occurs

Indoor Unit No. which Abnormality Occurs

◀ 01 - 02 ▶

Alarm Code: 22 —————— Alarm Code No.

MODEL : b . 02

Unit Model Code

Total No. of Indoor Unit in Same Refrigerant Cycle as One that Abnormality Occurs
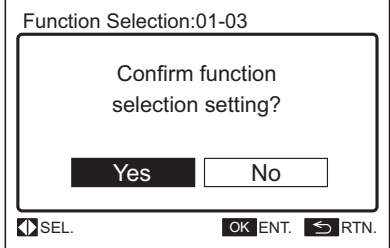
6 FUNCTION SELECTION AND SETTING

◆ **Function Selection and Input/Output**

1 Press and hold "⊟" (menu) and "↰" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.	Test Run Menu **Test Run** ▲ Function Selection 01 Thermistor Selection / Input/Output 03 ⊠Function 5 ▼ ↕SEL. OK ENT. ↰ RTN.
2 Select "Function Selection" or "Input/Output" from the test run menu and press "OK".	
3 Select the indoor unit by pressing "△ ▽ ◁ ▷" and press "OK". (This screen is NOT displayed when the number of indoor unit connected with the remote control switch is 1 (one). In this case, (4) will be displayed.)	Function Selection All 01-01 01-02 **01-03** 01-04 ✥SEL. OK ENT. ↰ RTN.

Function Selection	Input/Output Setting
4 Press "△ ▽" and select the item. Function Selection:01-03 Item Setting **b1 ◀ 00 ▶** 01 b2 00 b3 00 / b4 00 18 b5 00 ▼ ↕SEL. ◀▶ADJ OK ENT. ↰ RTN.	**4** Press "△ ▽" and select the item. Input/Output:01-03 Item Setting Connector **Input 1 ◀ 00 ▶ CN3 1-2** Input 2 00 CN3 2-3 Output1 00 CN7 1-2 Output2 00 CN7 1-3 Output3 00 CN8 1-2 ↕SEL. ◀▶ADJ OK ENT. ↰ RTN.
5 Press "◁ ▷" and change the setting. Function Selection:01-03 Item Setting b1 00 01 b2 00 **b3 ◀ 01 ▶** / b4 00 18 b5 00 ▼ ↕SEL. ◀▶ADJ OK ENT. ↰ RTN.	**5** Press "◁ ▷" and change the setting. Input/Output:01-03 Item Setting Connector Input 1 00 CN3 1-2 Input 2 00 CN3 2-3 **Output1 ◀ 01 ▶ CN7 1-2** Output2 00 CN7 1-3 Output3 00 CN8 1-2 ↕SEL. ◀▶ADJ OK ENT. ↰ RTN.

6 Press "OK" so that the confirmation screen will be displayed.	Function Selection:01-03 Confirm function selection setting? **Yes** No ◀▶SEL. OK ENT. ↰ RTN.
7 Select "Yes" and press "OK". The test run menu will be displayed after the setting is confirmed. If "No" is pressed, the screen will return to (4).	
8 Press "↰" (return) on the test run menu to return to the normal mode.	(Figure for Function Selection)

To set other units, press "↰" (return) at (4)(5) so that the screen will return to (3). (If the number of indoor unit connected with the remote control switch is 1 (one), the screen will return to (1).)

◆ Table A Optional Setting Items for Function Selection

Items	Optional Function	Individual setting	Setting condition	Contents
b1	Cancellation of heating temperature compensation due to uneven heat load	○	00 01 02	Standard +4°C Removal (offset elimination) Set temperature +2°C (*1)
b2	Circulator function at heating Thermo-OFF	○	00 01	Not available Available
b3	Enforced 3 Minutes minimum operation time of compressor	○	00 01	Not available Available
b4	Change of filter cleaning time	○	00 01 02 03 04	Standard 100 hrs 1,200 hrs 2,500 hrs No indication
b5	Fixing of operation mode	×	00 01	Standard Fixed
b6	Fixing of setting temperature	×	00 01	Standard Fixed
b7	Fixing of operation as exclusive cooling unit	×	00 01	Standard Fixed
b8	Automatic COOL/HEAT operation	×	00 01	Not available Available
b9	Fixing of fan speed	×	00 01	Standard Fixed
bA	Not prepared	×	-	Not used
bb	Cooling temperature compensation due to uneven heat load	×	00 01 02	Standard (No Compensation) Set Temp. –1°C Set Temp. –2°C
bC	Not prepared	-	-	Not used (Use as 00 conditions)
bd	Not prepared	-	-	Not used (Use as 00 conditions)
bE	Not prepared	-	-	Not used (Use as 00 conditions)
C1	Not prepared	-	-	Not used (Use as 00 conditions)
C2	Not prepared	-	-	Not used
C3	HA function (only for Japanese market)	○	00 01	Not available (Use as 00 conditions) Available
C4	Drain Pump Operation at Heating	○	00 01	Not available Available
C5	Hi speed (Except for Hi Speed at Heating Thermo-OFF)	○	00 01 02	Not available Hi Speed 1 (*2) Hi Speed 2
C6	Hi speed at heating Thermo-OFF	○	00 01	Not available Available
C7	Canceling of enforced 3 minutes minimum operation time of compressor	○	00 01	Standard Cancellation
C8	Thermistor of remote control switch	○	00 01 02	Not available Control by thermistor of remote control switch Control by average value of indoor suction thermistor and thermistor of remote control switch
C9	Not prepared	-	-	Not used
CA	Not prepared	-	-	Not used
Cb	Selection of forced stoppage logic	×	00 01	Forced stoppage input: A Contact Forced stoppage input: B Contact
CC	Not prepared	×	-	Not used (Use as 00 conditions)
Cd	Not prepared	-	-	Not used (Use as 00 conditions)
CE	Not prepared	-	-	Not used (Use as 00 conditions)
CF	Change of louver swing angle	○	00 01 02	Standard (7-Step Operation) Cold draft prevention (5 Steps: lower 2 steps cut off) High ceiling (5 Steps: upper 2 steps cut off)

Items	Optional Function	Individual setting	Setting condition	Contents	
d1	Power supply ON/OFF 1	○	00 01	Not available Available	
d2	Not prepared	-	-	Not used	
d3	Power supply ON/OFF 2	○	00 01	Not available Available	
d4	Prevention for cooling discharge air temperature decrease	○	00 01	Not available Available	
d5	Prevention for heating discharge air temperature decrease	○	00 01	Not available Available	
d6	Room temperature control for energy saving	○	00 01	Not available Available	
d7	Fall distance of elevating panel (Indoor units with the elevating grille function only)	○	00 01 02 03 04 05 06 07	200 cm (Standard) 100 cm 150 cm 200 cm 250 cm 300 cm 350 cm 400 cm	
E1	KPI: Ventilation mode	○	00	Automatic ventilation	This function is used to set the ventilation mode of the ventilation unit with energy / heat recovery.
			01	Ventilation by total heat exchanger	
			02	Ventilation with bypass (no total heat exchanger)	
	Econofresh: cooling mode		00	Not available	This function allows for the outdoor air damper to be opened.
			01/02	Outdoor cooling mode (all-fresh)	
E2	KPI: Increased air supply volume	○	00	Not available	This function is used to increase the air supply pressure in the room.
			01	Available	
	Econofresh: enthalpy sensor		00	Not available	This function selects the enthalpy sensor input.
			01	Available	
E3	Not prepared	○	00	Not Used	-
			01	Used as setting for conditions 00	
E4	Pre-cooling / Pre-heating period	○	KPI:		This function delays start-up of the ventilation unit with energy / heat recovery
			00	Standard	
			01	30 minutes	
			02	60 minutes	
			Econofresh kit:		
			00	Standard	
			01/02	CO_2 sensor	
E5	Not prepared	×	-	Not used (Use as 00 conditions)	
E6	Indoor fan operation time after cooling operation stoppage	○	00 01 02	Not available 60 min. 120 min.	
E7	Not prepared	○	-	Not used (Use as 00 conditions)	
E8	Fan operation control at heating Thermo-OFF	○	00 01	Not available SLOW	
E9	Not prepared	-	-	Not used (Use as 00 conditions)	
EA	Not prepared	-	-	Not used (Use as 00 conditions)	
Eb	Fan operation control at cooling Thermo-OFF	○	00 01 02	Not available LOW SLOW	
EC	Forced Thermo-ON stoppage at cooling	○	00 01	Not available Available	
Ed	Not prepared	-	-	Not used (Use as 00 conditions)	

Items	Optional Function	Individual setting	Setting condition		Contents
EE	Automatic fan speed control	○	00		Not available
			01		Available
F0	Not prepared	-	-		Not used
F1	Automatic OFF timer setting	×	00		No function
			01		OFF Timer by 1 hr
			02		OFF Timer by 2 hrs
			•		•
			•		•
			23		OFF Timer by 23 hrs
			24		OFF Timer by 24 hrs
			0A		OFF Timer by 30 min.
	* Do not set the functions "0C"~"0F" when 2 (two) remote control switches are used in the same remote control group.		0B		OFF Timer by 90 min.
			0C		OFF Timer by 40 min.
			0D		OFF Timer by 45 min.
			0E		OFF Timer by 50 min.
			0F		OFF Timer by 55 min.
F2	Remote control main-sub setting	×	00		Main
			01		Sub
F3	Automatic reset of setting temperature (*4)	×	00	(*10)	Not available
			01		Available
F4	Automatic reset time	×	00	(*10)	30 min.
			01		15 min.
			02		60 min.
			03		90 min.
F5	Automatic reset temperature for cooling (*5)	×	19		19°C
			20		20°C
			•		•
			•		•
			25		25°C (Factory setting)
			•		•
			•		•
			29		29°C
			30		30°C
F6	Automatic reset temperature for heating (*6)	×	17		17°C
			18		18°C
			•		•
			•		•
			21		21°C (Factory setting)
			•		•
			•		•
			29		29°C
			30		30°C
F7	Operation stoppage prevention by remote control switch operational error (*7)	×	00		Not available
			01		Available
F8	Lock function for operation mode selection	×	00		Not available
			01		Available (Factory setting)
F9	Lock function for temperature setting	×	00		Not available
			01		Available (Factory setting)
FA	Lock function for fan speed selection	×	00		Not available
			01		Available (Factory setting)
Fb	Lock function for swing louver operation	×	00		Not available
			01		Available (Factory setting)
FC	Cooling lower limit for setting temperature (*5)	×	00		Standard
			01		Lower limit +1°C
			02		Lower limit +2°C
			•		•
			•		•
			09		Lower Limit +9°C
			10		Lower Limit +10°C
Fd	Heating upper limit for setting temperature (*6)	×	00		Standard
			01		Upper limit −1°C
			02		Upper limit −2°C
			•		•
			•		•
			11		Upper limit −11°C
			12		Upper limit −12°C

Items	Optional Function	Individual setting	Setting condition	Contents
FE	Not prepared	-	-	Not used (Use as 00 conditions)
FF	Not prepared	-	-	Not used (Use as 00 conditions)
H1	Not prepared	-	-	Not used (Use as 00 conditions)
H2	Indication of hot start	✕	00 01	Indication No indication
H3	Not prepared	-	-	Not used (Use as 00 conditions)
H4	Not prepared	-	-	Not used (Use as 00 conditions)
J1	Temperature indication (*8)	✕	00 01	Not available Available
J2	Not prepared	-	-	Not Used
J3	Run indicator color	✕	00 01	Green Red
J4	Not prepared	-	-	Not used (Use as 00 conditions)
J5	Not prepared	✕	-	Not used (Use as 00 conditions)
J6	Error sound	✕	00 01	Once Sequence
J7	Not prepared	-	-	Not Used (Use as 00 conditions)
J8	Eco-operation (*9)	✕	00 01 (*10)	Not available Available
J9	Not prepared	-	-	Not used (Use as 00 conditions)
JA	Not prepared	-	-	Not used (Use as 00 conditions)
Jb	Not prepared	-	-	Not used (Use as 00 conditions)
K1	Not prepared	✕	-	Not used
K2	Not prepared	✕	-	Not used
K3	Not prepared	✕	-	Not used
K4	Not prepared	-	-	Not used
K5	Human sensor detection level (*11)	-	00 01 02	Standard High Low

*1: The "02" setting may not be available according to the type of indoor unit.

*2: In case of RPI models, 00: standard, 01: high static pressure, 02: low static pressure

*3: E1 to E4: Setting for the total heat exchanger.

*4: 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.)

*5: Applicable to fan, cooling and dry operation modes.

*6: Applicable to heating operation mode.

*7: Operation is stopped by pressing the "⏻" (run/stop) switch for 3 seconds.

*8: The sensor value at "C8" will be indicated. When the thermistor for remote control switch is used, the average value of the thermistor for remote control switch and the thermistor for indoor inlet will be indicated.

*9: When the unit is restarted by the remote control switch, the temperature automatically changes to the setting temperature of "F5" or "F6".

*10: If function F2 is set up 01 (Sub) is displayed "--".

*11: This function is for air panel with motion sensor. If the air panel don't have available the motion sensor, setting condition is displayed as "--".

ℹ **NOTE**

• *After at least 3 minutes from the power ON, change the optional setting.*

• *When changing "CF" setting (change of louver swing range), restore the power supply or allow the louver to make one complete swing fully in the auto swing mode to apply the optional setting.*

• *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.*

• *Record the setting conditions for each optional setting in the "Setting" column of the table.*

◆ Table B Input and Output Number Display and Connectors

Input number display	Port	Factory 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

◆ Table C Input and Output Settings and Display Codes

Indication	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	Total Heat Exchanger
08	Elevating Grille Input	Elevating Grille Output

ℹ️ N O T E

- *After at least 3 minutes from the power ON, change the optional setting.*
- *The elevating grille input can be set to "Input 2" only.*
- *The elevating grille cannot be set to "Input 1".*
- *The elevating grille output can be set to "Output 1" or "Output 2" only.*
- *The elevating grille output cannot be set to "Output 3".*
- *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.*

◆ Thermistor Selection

This function changes the temperature thermistor from indoor unit thermistor to thermistor of remote control switch or an average between both temperatures.

1 Press and hold "☰" (menu) and "↰" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

2 Select "Thermistor Selection" from the test run menu and press "OK".

Test Run Menu	
Test Run	▲
Function Selection	01
Thermistor Selection	/
Input/Output	03
⊠Function 5	▼
⊟SEL.	OK ENT. ↰ RTN.

3 Change the temperature thermistor item by pressing "◁ ▷" and press "OK".
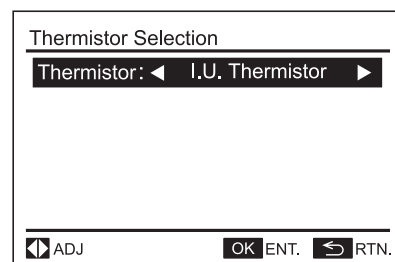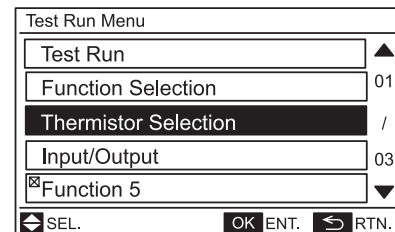
Thermistor Selection	
Thermistor: ◀ I.U. Thermistor ▶	
◀▶ ADJ	OK ENT. ↰ RTN.

4 Select "Yes" and press "OK". The test run menu will be displayed after the setting is confirmed. If "No" is pressed, the screen will return to (3).

```
Thermistor Selection
  ─────────────────────────
  │                        │
  │      Confirm setting of │
  │      thermistor selection? │
  │                        │
  │   ┌──────┐   ┌──────┐  │
  │   │ Yes  │   │  No  │  │
  │   └──────┘   └──────┘  │
  ─────────────────────────
 ◁▷ SEL.          OK ENT.   ↩ RTN.
```
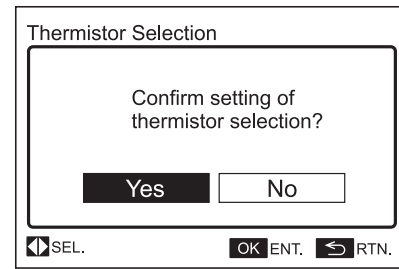
5 Press "↩" (return) on the test run menu to return to the normal mode.

◆ **Indoor Unit Address Change**

This function changes the address (refrigerant cycle number and indoor unit number) of indoor units. If this setting is done, it will take priority over DIP Switch setting.

1 Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

2 Select "I.U. Address Change" from the test run menu pressing "△ ▽" and "OK".

```
Test Run Menu
 ─────────────────────────────
  I.U. Address Change        ▲
  ADD Check Operation        02
  I.U. ADD Initialization     /
  FUNC, Input/Output INITIAL. 03
 ⊠ Function 10               ▼
 ─────────────────────────────
 ↕ SEL.           OK ENT.   ↩ RTN.
```
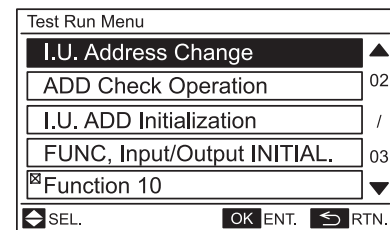
3 Select the indoor unit by pressing "△ ▽ ◁ ▷" and press "OK".

* Indoor units which are not supporting "I.U. Address Change" function can not be selected.

```
I.U. Address Change
 ┌───────┬───────┬───────┬───────┐
 │ 01-01 │ 02-01 │ 03-01 │ 04-01 │
 │ 01-02 │ 02-02 │ 03-02 │ 04-02 │
 │ 01-03 │ 02-03 │ 03-03 │ 04-03 │
 │ 01-04 │ 02-04 │ 03-04 │ 04-04 │
 └───────┴───────┴───────┴───────┘
 ✛ SEL.           OK ENT.   ↩ RTN.
```
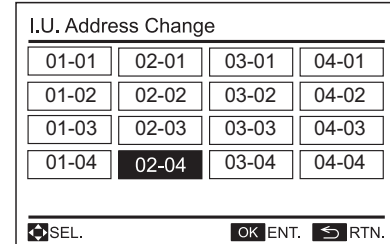
4 Determine the new indoor unit address.

Press "△ ▽ ◁ ▷" to switch the refrigerant cycle number and address in range of 00-63.

To display confirmation screen press "OK".

* "Cycle No.99" is used as a temporary address only when all the cycle numbers and unit numbers are in use (occupied).

If "Cycle No.99" is used temporarily, the address must be changed within the standard range of 00-63.
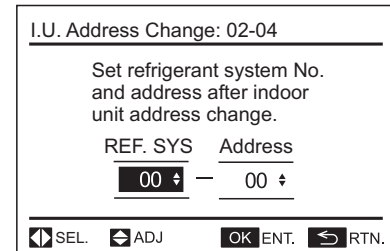
```
I.U. Address Change: 02-04
 ──────────────────────────────
     Set refrigerant system No.
     and address after indoor
     unit address change.
      REF. SYS    Address
      ┌──────┐    ┌──────┐
      │ 00 ↕ │  ─ │ 00 ↕ │
      └──────┘    └──────┘
 ◁▷ SEL.  ↕ ADJ  OK ENT.  ↩ RTN.
```

5 The confirmation screen will be displayed. Select "Yes" and press "OK" to stard address change process. Result will be displayed in seconds. If "No" is pressed, the screen will go to (6).

*When the process successfully completes, "Completed" will be displayed.

Otherwise the porecess has been failed. Check the setting and contents again.

```
I.U. Address Change: 02-04
 ─────────────────────────────
  │                           │
  │      Change address        │
  │      from 02-04 to 02-05?   │
  │                           │
  │   ┌──────┐   ┌──────┐     │
  │   │ Yes  │   │  No  │     │
  │   └──────┘   └──────┘     │
 ◁▷ SEL.          OK ENT.   ↩ RTN.
```
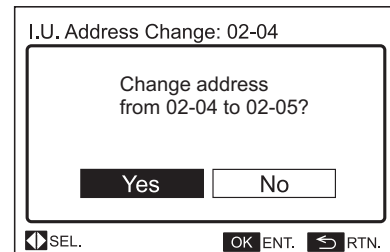
6 To change the address for another indoor unit, select "I.U. Select" and press "OK". the screen will return to (3). To finish this function select "Completed" and press "OK".

*If "I.U. Address Change" is successfully completed, connection check will be started automatically.

```
I.U. Address Change: 02-05
 ─────────────────────────────
  │                           │
  │         Completed.         │
  │                           │
  │ ┌───────────┐ ┌──────────┐│
  │ │I.U. Select│ │Completed ││
  │ └───────────┘ └──────────┘│
 ◁▷ SEL.          OK ENT.
```
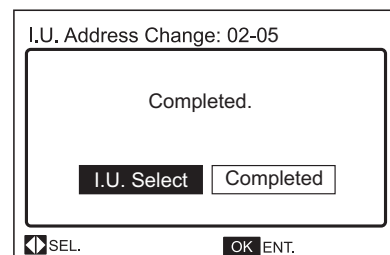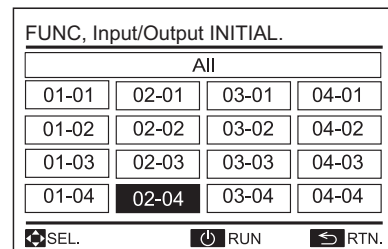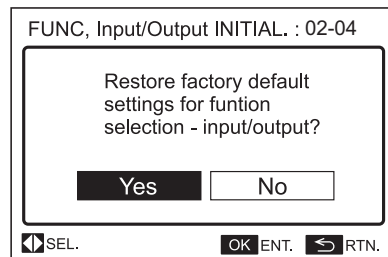
7 Turn OFF the power supply of the indoor units for 3-5 minuts. Wait until the remote control switchs display turn off, and turn ON the power supply of indoor units again.

ℹ️ N O T E

- *"I.U. Address Change" is not available when the control of 2 remote control switches (main and sub) are used.*
- *Do not operate from the central controlling devices while "I.U. Address Change" is performed by the remote control switch.*
- *This function should not be used if there is a Central Control (like CSNET WEB) in the H-LINK line.*

◆ Address Check Operation

This function is used to check the relation between the indoor unit and I.U. address. This operation is effective when multiple indoor units are connected to the remote control switch and address of the certain unit is unknown.

1 Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

Test Run Menu	
I.U. Address Change	▲
ADD Check Operation	02
I.U. ADD Initialization	/
FUNC, Input/Output INITIAL.	03
☒ Function 10	▼
SEL. OK ENT. ↩ RTN.	

2 Select "ADD Check Operation" from the test run menu pressing "△ ▽" and "OK".

3 Select the indoor unit by pressing "△ ▽ ◁ ▷".

I.U. ADD Check Operation			
01-01	02-01	03-01	04-01
01-02	02-02	03-02	04-02
01-03	02-03	03-03	04-03
01-04	02-04	03-04	04-04
SEL.	RUN		RTN.

4 To start operation of the indoor unit selected in (3) press "⏻" (run/stop).
To return to (3) screen press "⏻" (run/stop) while indoor units is operated.

*Repeat (3)-(4) until desired indoor unit address is confirmed.

5 To return to the test run menu press "↩" (return) while indoor unit is not operated.

Confirm the selected indoor unit address and go to "I.U. Address Change".
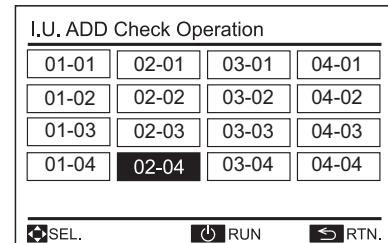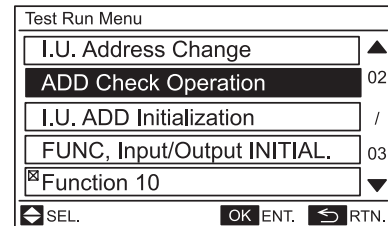
ℹ️ N O T E

- *"ADD Check Operation" is not available when the control of 2 remote control switches (main and sub) are used.*
- *The switch operation other than "Run/Stop" is not available while "ADD Check Operation" is performed.*
- *Do not operate from the central controlling devices while "ADD Check Operation" is performed by the remote control switch.*
- *This function should not be used if there is a Central Control (like CSNET WEB) in the H-LINK line.*

◆ Indoor Unit Address Initialization

This function initializes the indoor unit address that has been changed by "I.U. Address Change" function or set by the automatic address allocation.
Initializing the address by this function, indoor unit address will be changed to the dip switch setting.

1 Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

Test Run Menu	
I.U. Address Change	▲
ADD Check Operation	02
I.U. ADD Initialization	/
FUNC, Input/Output INITIAL.	03
☒ Function 10	▼
SEL. OK ENT. ↩ RTN.	

2 Select "I.U. ADD Initialization" from the test run menu pressing "△ ▽" and "OK".

3 Select the indoor unit by pressing "△ ▽ ◁ ▷" and press "OK". The confirmation screen will be displayed.

*Indoor unnits which are not supporting "I.U. ADD Initialization" function can not be selected.

The address of indoor unit that does not support "I.U. ADD Initialization" function will not be initialized even when "All" is specificated at (3).

I.U. ADD Initialization			
All			
01-01	02-01	03-01	04-01
01-02	02-02	03-02	04-02
01-03	02-03	03-03	04-03
01-04	02-04	03-04	04-04
SEL.	RUN		RTN.
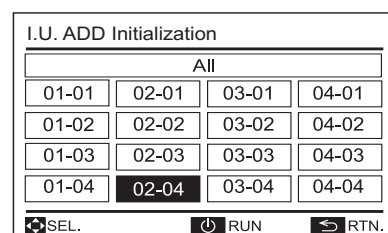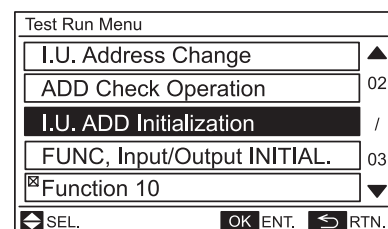
4 Select "Yes" and press "OK" to start the address initialization process.

*If the address initialization is successfully completed, connection check will be started automatically.

```
I.U. ADD Initialization: 02-04

          Initialize address?


        Yes        No

◁▷ SEL.          OK ENT.      RTN.
```
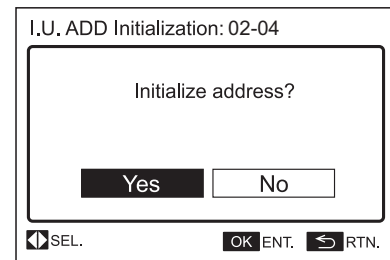
◆ **Function Selection and Input/Output Initialization**

This function re-establishes the function selection and Input/Output values to factory setting values.

1 Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

2 Select "FUNC, Input/Output INITIAL" from the test run menu pressing "△ ▽" and "OK".
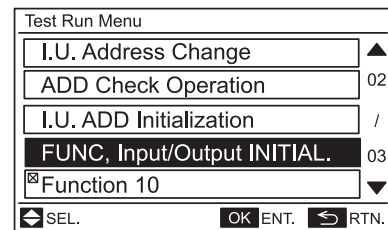
```
Test Run Menu
  I.U. Address Change          ▲
  ADD Check Operation          02
  I.U. ADD Initialization       /
  FUNC, Input/Output INITIAL.   03
 ⊠Function 10                  ▼
◆ SEL.          OK ENT.      RTN.
```

3 Select the indoor unit by pressing "△ ▽ ◁ ▷" and press "OK".

*This screen is not displayed when the number of indoor units connected with the remote control switch is 1 (one). In this case, (4) will be displayed.

```
FUNC, Input/Output INITIAL.
               All
  01-01  02-01  03-01  04-01
  01-02  02-02  03-02  04-02
  01-03  02-03  03-03  04-03
  01-04  02-04  03-04  04-04
✛ SEL.         RUN        RTN.
```

4 To start initialization, select "Yes" and press "OK" on the confirmation screen. It thakes approx. 30 seconds to complete the process.

*Check that initialization will not cause any problems, and then start the initialization work.

```
FUNC, Input/Output INITIAL. : 02-04

     Restore factory default
     settings for funtion
     selection - input/output?

        Yes        No

◁▷ SEL.          OK ENT.      RTN.
```

5 Select "Completed" and press "OK". The test run menu will be displayed.

Press "↩" (return) on the test run menu to return to the normal mode.

To initialize setting for the other indoor units, select "I.U. Select" and press "OK". The screen will return to (3).

```
FUNC, Input/Output INITIAL.: 02-04

          Completed.


     I.U. Select    Completed

◁▷ SEL.          OK ENT.
```
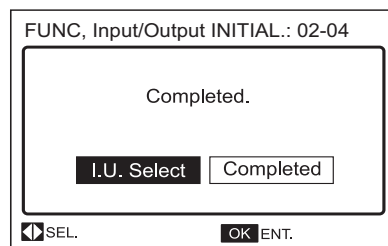
ⓘ **N O T E**

• "No Function" will be indicated when the indoor unit that does not support the initialization function for "Function Selection" and "Input/Output Setting".

• The setting for indoor units that does not support the initialization function for "Function Selection" and "Input/Output Setting" will not be initialized even when "All" is specified at item (3).

◆ Compressor Preheating Cancellation

This function cancells the compressor preheating control.

1 Press and hold "⊟" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

2 Select "COMP Preheating CANC" from the test run menu pressing "△ ▽" and "OK".

3 The confirmation screen will be displayed.

4 Select "Yes" and press "OK". The test run menu will be displayed after the setting is confirmed. If "No" is pressed, the screen will return to test run menu.

5 Press "↩" (return) on the test run menu to return to the normal mode.

Test Run Menu

COMP Preheating CANC	▲
Contact Information	03
	/
	03
	▼

SEL.   OK ENT.   ↩ RTN.

COMP. Preheating Control CANC

Cancel preheating control
for compressor?

Yes   No

SEL.   OK ENT.   ↩ RTN.
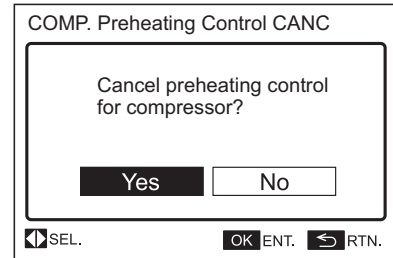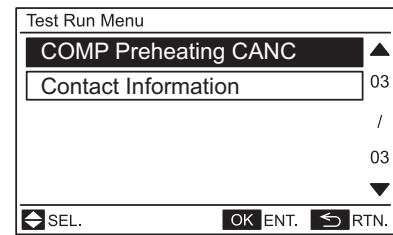
7 ELEVATING GRILLE SETTING/CANCELLATION

This function is available to set the elevating grille setting/cancellation for the all connected indoor units with the elevating grille function. It is set to the external input 2, external output 1 and 2 as following procedure.

◆ **Elevating Grille Setting/Cancellation Procedure**

1	Press and hold "☰" (menu) and "↩" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.
2	Select "Input/Output" from the test run menu and press "OK".
3	Select the indoor unit by pressing "△ ▽ ◁ ▷" and press "OK". (This screen is NOT displayed when the number of indoor unit connected with the remote control switch is 1 (one). In this case, (4) will be displayed.)

Elevating Grille Setting

4	Select "Input 1" at "Input/Output" screen, press and hold "△" for a moment (approx. 3 sec.). The confirmation screen for "Elevating Grille Setting" will be displayed.

```
Input/Output:01-03
Item          Setting      Connector
Input 1    ◀   00  ▶      CN3 1-2
Input 2        00          CN3 2-3
Output1        01          CN7 1-2
Output2        00          CN7 1-3
Output3        00          CN8 1-2
⬍ SEL.      ◀▶ ADJ    OK ENT.   ↩ RTN.
```

5	Select "Yes" and press "OK" to confirm the setting. If "No" is pressed, the screen will return to (4).

```
Elevating Grille Setting:01-03

       Set input/output setting
        for elevating grille?

        Yes          No

◀▶ SEL.              OK ENT.   ↩ RTN.
```

Elevating Grille Cancellation

4	Select "Output 3" at "Input/Output" screen, press and hold "▽" for a moment (approx. 3 sec.). The confirmation screen for "Cancel Elevating Grille Setting" will be displayed.

```
Input/Output:01-03
Item          Setting      Connector
Input 1        00          CN3 1-2
Input 2        00          CN3 2-3
Output1        01          CN7 1-2
Output2        00          CN7 1-3
Output3    ◀   00  ▶      CN8 1-2
⬍ SEL.      ◀▶ ADJ    OK ENT.   ↩ RTN.
```

5	Select "Yes" and press "OK" to confirm the cancellation. If "No" is pressed, the screen will return to (4).

```
Cancel Elevating Grille Setting:01-03

      Cancel input/output setting
        for elevating grille?

        Yes          No

◀▶ SEL.              OK ENT.   ↩ RTN.
```

6	Press "↩" (return) on the test run menu to return to the normal mode.

ⓘ **N O T E**

- *In case of using by two remote control switches (Main and Sub), the settings shall be operated by the main remote control switch.*
- *If "All" is selected at (3), this setting is set to all the indoor units connected to the remote control switch regardless of the actual elevating grille.*
- *Please note that when functions other than the elevating grille have been set for input 2 and output 1 and 2, those settings are cleared (Namely, the elevating grille function will be overwritten).*

8 LOUVER SETTING

This setting is available only for the indoor unit adopting the individual louver.

The each louver angle can be set individually as following procedure.

1 Press "≔" (menu) during the normal mode (when unit is operated). The menu will be displayed.

2 Select "Louver Setting" from the menu and press "OK". The louver setting will be displayed.

Menu	15:10(Fri)
Louver Setting	▲
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	▼

⇅SEL.　　　OK ENT.　↩RTN.

3 Select "Louver Setting" from the louver setting and press "OK".

Louver Setting
Louver Setting
Cancel INDV Louver SET

⇅SEL.　　　OK ENT.　↩RTN.

4 Select the indoor unit to change the louver direction by pressing "△ ▽ ◁ ▷" and press "OK".

(This screen is NOT displayed when the number of indoor unit connected with the remote control switch is 1 (one). In this case, (5) will be displayed).

Louver Setting

01-01			
01-02			
01-03			
01-04			

Select unit to set.

✥SEL.　　　OK ENT.　↩RTN.

5 Press "◁ ▷" and select the louver direction. The selected louver is opened and the other louvers are closed.

Louver Setting:01-03

1	**2**	3	4

Adjust air direction & louver angle

◁▷SEL.　⇅ADJ　　OK ENT.　↩RTN.

6 Press "≔" (menu) while "?" (help) is pressed. The confirmation screen will be displayed.

7 Select "Yes" and press "OK". (5) will be displayed after the setting change is confirmed. If "No" is selected and "OK" is pressed, the screen will return to (5).

* Regarding "Louver Setting", the louver selected at (5) will be set as "Nº1" and the other louver Nº will be changed clockwise automatically as shown in the figure.

Louver Outlet Setting:01-03

Change louver outlet number?
(2→1, 3→2, 4→3, 1→4)

Yes	No

◁▷SEL.　　　OK ENT.　↩RTN.
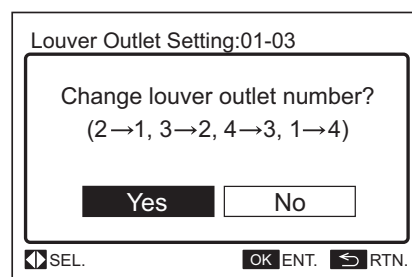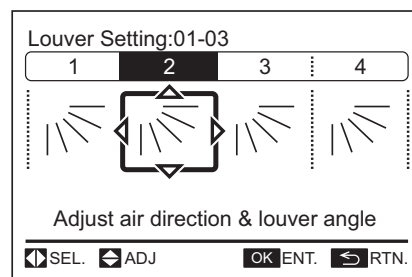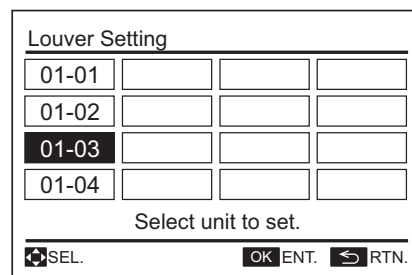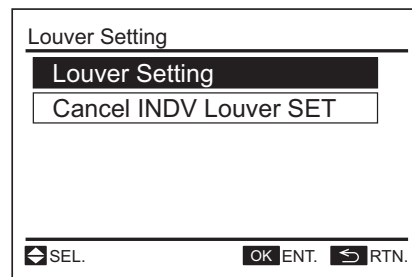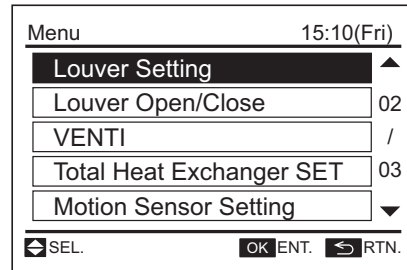
ⓘ **N O T E**

This "Louver Setting" is NOT available when the 2 (two) remote control switches are used in the same H-LINK (including combination with PC-ARFPE + PC-LH3A (Wireless Remote Control Switch)).

9 CONTACT INFORMATION REGISTRATION

Contact information can be registered from "Contact Information".

1 Press and hold "☰" (menu) and "↰" (return) simultaneously for at least 3 seconds during the normal mode (when unit is not operated). The test run menu will be displayed.

2 Select "Contact Information" from the test run menu and press "OK". The contact information 1 will be displayed.

3 Press "?" (help) to change font type.

4 Press "△ ▽ ◁ ▷" to select letter.

5 Press "OK" to confirm the letter. (Max.: 28 letters)

6 Select "FIN." and press "OK" (or simply press "☰" (menu)), (7) will be displayed.

7 Repeat (3)~(5) to register contact information 2.

Select "FIN." and press "OK", the confirmation screen will be displayed. (Also, press "☰" (menu) and the confirmation screen will be displayed).

8 Select "Yes" and press "OK". The test run menu will be displayed after the setting is confirmed. If "No" is pressed, the screen will return to (3).

```
Contact Information 1
█
 ABC    ' + * ; . ? - / : =
 abc    1 2 3 4 5 6 7 8 9 0
 Sym.1  q w e r t y u i o p
 Sym.2  € a s d f g h j k l
        < > z x c v b n m ,
        SPAC DEL ←→    FIN.
 ◉SEL.  ? Letter   OK ENT. ☰ FIN.
```

```
Contact Information
○ × Electric Corp.
○○○○−○○○−○○○○


        Save changes?
      Yes        No
 ◀▶SEL.          OK ENT.  ↰ RTN.
```
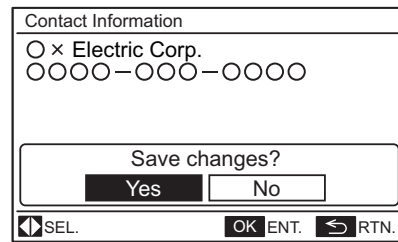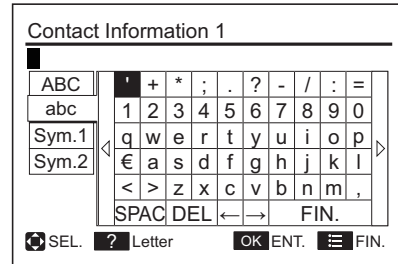
10 CHECK MENU

Each "Check Menu" item and its function are explained in the following table.

Check menu item	Function
Check 1	Sensor condition of air conditioner will be monitored and indicated.
Check 2	Sensor data of air conditioner prior to alarm occurrence will be indicated.
Alarm history display^T	Previous alarm record (date, time, alarm code) will be indicated.
Model display	Model name and manufacturing number will be indicated.
IU/OU PCB check	The result of PCB check will indicated.
Self checking	Checking of remote control switch will be carried out.

Indication of Check Menu

Press and hold "☰" (menu) and "?" (help) simultaneously for 3 seconds during the normal mode.
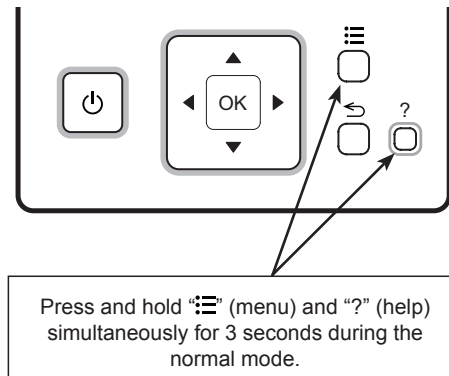
T: To Erase Alarm History.

Press "OK" when the abnormality record is indicated. After that, the confirmation screen will be displayed.

Select "Yes" and press "OK" so that the alarm record will be deleted.

11 OPERATION METHOD

11.1 BASIC OPERATION

1 Item Selection.

By pressing "◁"or "▷", the icon "⌖" will move to the next item in order of the indications "MODE", "SPEED", "LOUV." and "TEMP".
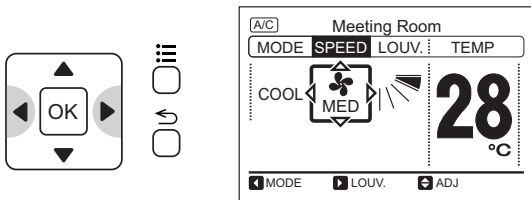
2 Change of Settings

With the item ("MODE", "SPEED", "LOUV" or "TEMP") selected, press "△" or "▽". The setting will be changed.
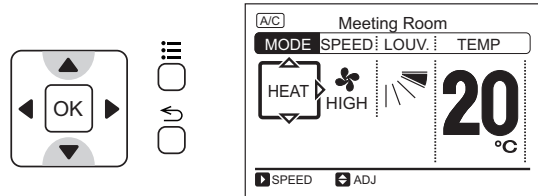
11.2 OPERATION MODE (COOLING, HEATING, DRY, COOLING/HEATING AUTOMATIC AND AIR FLOW OPERATION)

◆ Function

- Cooling Operation (COOL):

  To decrease the room temperature.

- Heating Operation (HEAT):

  To increase the room temperature.

- Dry Operation (DRY):

  To decrease the humidity in the room.

- Cooling/Heating Automatic Operation (AUTO):

  To cooling and heating automatic changeover.

- Air Flow Operation (FAN):

  To circulate the air in the room.

ⓘ NOTE

The available set temperature is as follows:
- *Cooling Operation:*   *19 to 30ºC*
- *Heating Operation:*   *17 to 30ºC*
- *Dry Operation:*   *19 to 30ºC*

◆ Before Operation

⚠ CAUTION

- *Supply the electrical power to the system for approximately 12 hours before start-up after long shutdown. Do not start the system immediately after the power supply, it may cause a compressor failure, because the compressor is not heated well. Do NOT turn OFF the power supply during the seasons.*

- *Make sure that the outdoor unit is not covered with snow or ice. If covered, remove it by using hot water (less than 50ºC).*

- *If the water temperature is higher than 50ºC, it will cause damage to plastic parts.*

1 Turn ON the power supply.

Connecting
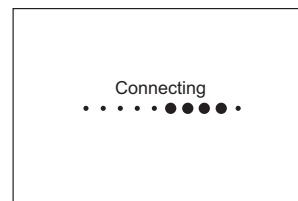
2 Press "◁" or "▷" and select "MODE".
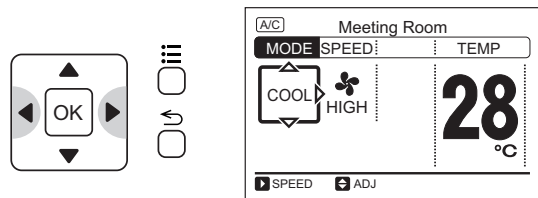
3 By pressing "△" or "▽", the operation mode will be changed as follows.

FAN
AUTO
DRY
HEAT
COOL
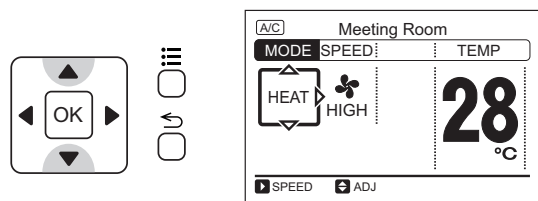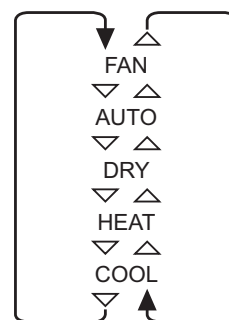
ⓘ NOTE

The advanced setting is required for the "AUTO" operation. Contact your distributor or dealer of HITACHI for detailed information.

12 SETTING METHOD

12.1 TEMPERATURE SETTING

1 Press "◁" or "▷" and select "TEMP".

2 By pressing "△", the temperature is increased by 1°C. (Max. 30°C). By pressing "▽", the temperature is decreased by 1°C. (Cooling, Dry, Air Flow operation: Min. 19°C) (Heating operation: Min. 17°C).
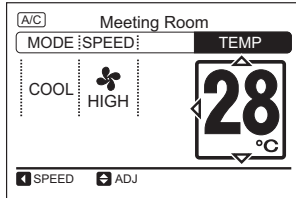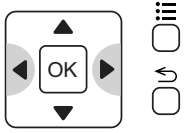
ℹ️ **NOTE**

The max/min temperature is available to change by setting the cooling lower limit for setting temperature (or heating upper limit for setting temperature) from the function selection.
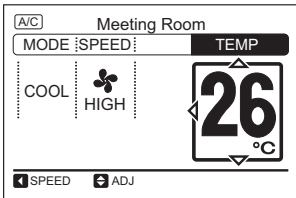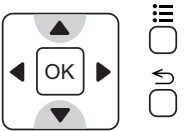
12.2 FAN SPEED

1 Press "◁" or "▷" and select "SPEED".
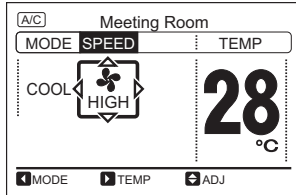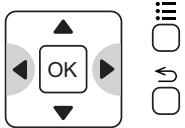
ℹ️ **NOTE**

• *During the dry operation, the fan speed is automatically changed to "LOW" and cannot be changed to other fan speed. ("LOW" will NOT be displayed on LCD (liquid crystal display) at this time. The present setting condition will be displayed on LCD).*

• *The fan speed settings "HIGH H" and (or) "AUTO" may not be available depending on the indoor unit type.*

2 By pressing "△" or "▽", the fan speed will be changed as follows.
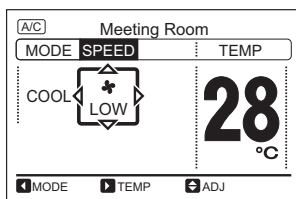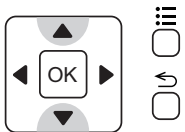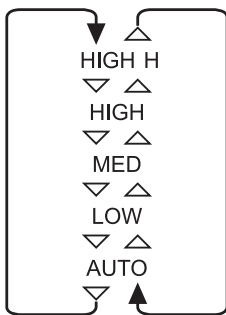
12.3 SWING LOUVER DIRECTION

1 Press "⏻" (run/stop). Make sure that the operation is started. Press "◁" or "▷" and select "LOUV".

> **ⓘ NOTE**
>
> *For the indoor unit without the auto louver mechanism, the indication of "LOUV." will NOT be displayed on LCD.*

2 By pressing "△" or "▽", the louver direction will be changed as follows.

LCD Indication	COOL, DRY	HEAT, FAN
	Auto-swing	
	Recommended angle	
	Angle range	Angle range
		Recommended angle
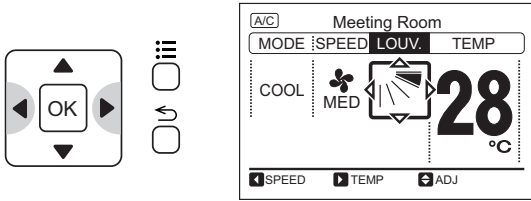
▨ : Auto swing operation will be started. At this time, the louver will swing repeatedly on LCD.

> **ⓘ NOTE**
>
> • *The air flow angle is different for each indoor unit type. Check Installation & Operation Manual for Indoor Unit to be used for the detailed information.*
>
> • *Louver position on LCD and the actual louver position may not match during the auto swing operation. To fix the louver positions, set the angle after checking the position on LCD.*
>
> • *The louver may NOT stop immediately right after the switch is pressed.*

13 OPERATION

13.1 OPERATION START

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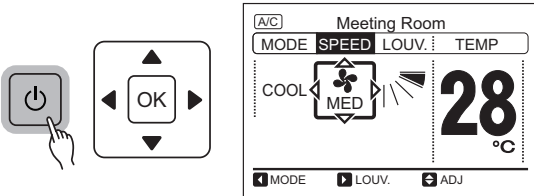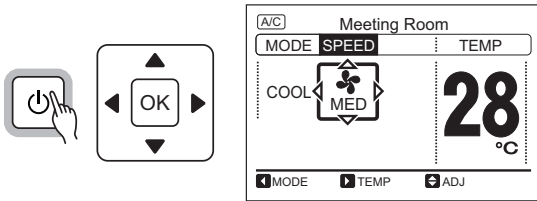

> **ⓘ NOTE**
>
> • *Temperature/Air Flow Setting*
>
> • *The setting condition will be memorized once after the setting is confirmed, therefore the daily setting is not required. In case that the setting change is required, refer to the "11 Operation Method" and "12 Setting Method" chapters.*

13.2 OPERATION STOP

Press "⏻" (run/stop) again. The run indicator will be turned off and the operation will be stopped.
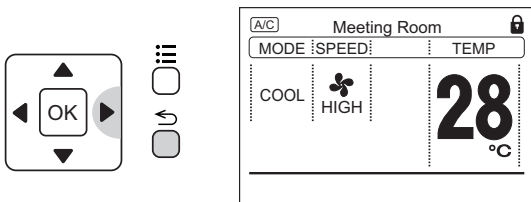
ⓘ NOTE

After the heating operation is stopped, the air flow operation may be activated for approximately 2 minutes.
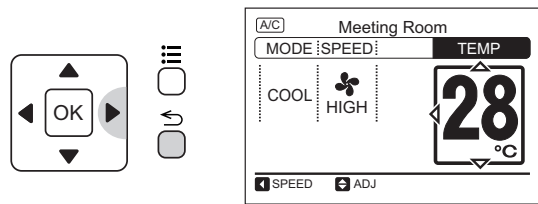
13.3 OPERATION LOCK

- This function is used to lock the setting from the remote control switch.
- The following functions are applicable.

    a. Operation Mode (MODE)

    b. Temperature Setting (TEMP)

    c. Fan Speed (SPEED)

    d. Swing Louver Direction (LOUV)

1 Setting of the operation lock, press "▷" and "↩" (return) simultaneously for 3 seconds. The icon of "🔒" will be turned ON. Even when "◁" or "▷" is pressed, locked setting items will be skipped.

2 Cancellation of the operation lock, press "▷" and "↩" (return) simultaneously for 3 seconds. "🔒" will be turned OFF, and operation lock will be canceled.

ⓘ NOTE

- *Every time pressing "▷" and "↩" (return) simultaneously for 3 seconds, the operation lock state will be switched alternately to locked/unlocked.*
- *Select the functions to lock at the function selection setting. Contact your distributor or dealer of HITACHI for detailed information.*

14 MENU OPERATION

14.1 MENU

Every setting function is displayed in the menu. Refer to the following sections for each function.

ⓘ NOTE

⊠*: Unable to set .*

If the function with "⊠" is selected from the menu, "No Function" or "Setting Disabled" will be displayed on the lower screen.

1 Press "☰" (menu). The menu will be displayed.
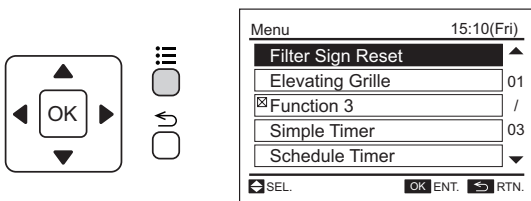
2 Select the function by pressing "△" or "▽" and press "OK".

    ("⊠" will be displayed if the function is not available).
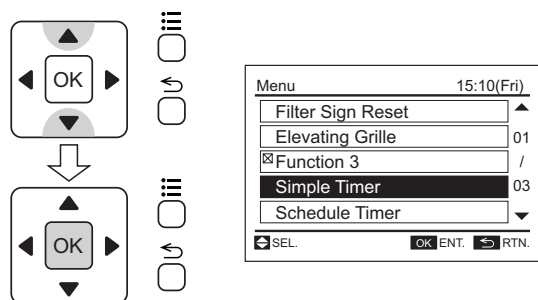
3 Press "↩" (return) to return to the normal mode (Operation Mode Indication).
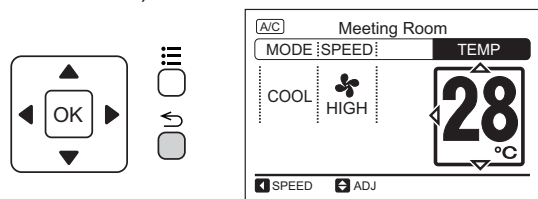
ⓘ NOTE

If the menu screen remains unchanged for approximately 10 minutes, the screen will automatically return to the normal mode.

14.2 FILTER SIGN RESET

This function is used to turn off the filter sign indication.

ℹ️ **NOTE**

If the function with the indication of "⊠" is selected from the menu, "Setting Disabled" will be displayed because the setting accumulated time by function b4 is insufficient.

1 Select "Filter Sign Reset" from the menu and press "OK". The confirmation screen will be displayed.

```
Menu                    15:10(Fri)
 Filter Sign Reset              ▲
 Elevating Grille          01
⊠Function 3                 /
 Simple Timer              03
 Schedule Timer                ▼
⬏SEL.          OK ENT.  ⬑ RTN.
```
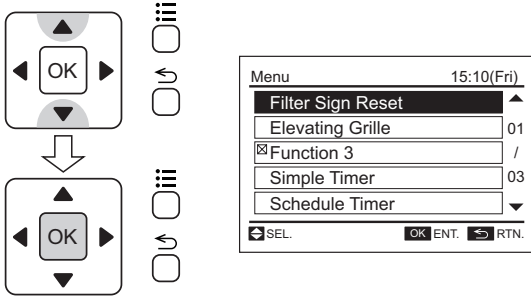
2 Select "Yes" by pressing "◁" or "▷" and press "OK". The indication of "FLTR" will be turned OFF and the screen will return to the normal mode.

```
Filter Sign Reset              FLTR
     Reset filter sign?

   Yes          No
◀▶SEL.       OK ENT.  ⬑ RTN.
```
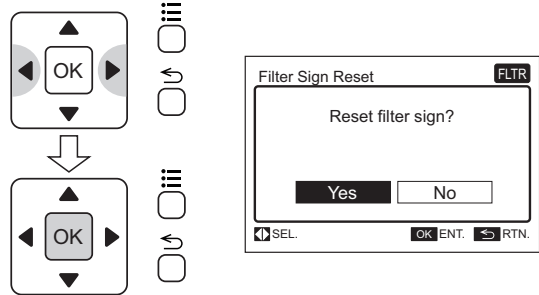
14.3 ELEVATING GRILLE

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

⚠️ **CAUTION**

Caution of Setting Elevating Grille into Air Panel After Cleaning.

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 due to falling the air panel.

Wire

Air inlet grille

Slowly push the air inlet grille in the arrow direction

Horizontal

Wire is loosened

This function is for the air inlet grille automatically moves upward or downward from the air panel when cleaning the air filter and air inlet grille.

ℹ️ **NOTE**
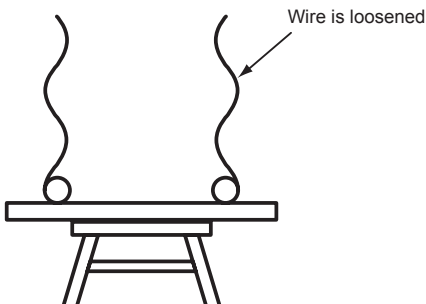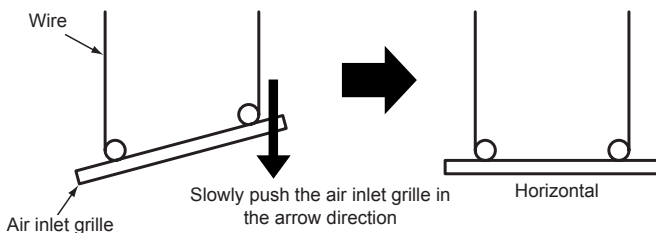
- *This function is available only when the elevating grille is equipped with the indoor unit.*
- *Make sure that the unit operation is stopped before using the elevating grille.*
- *The elevating grille function is not available when the unit is operated.*

1 Press "☰" (menu) and select "Elevating Grille" from the menu. Press "OK".

```
Menu                    15:10(Fri)
 Filter Sign Reset              ▲
 Elevating Grille          01
⊠Function 3                 /
 Simple Timer              03
 Schedule Timer                ▼
⬏SEL.          OK ENT.  ⬑ RTN.
```

ℹ️ **NOTE**
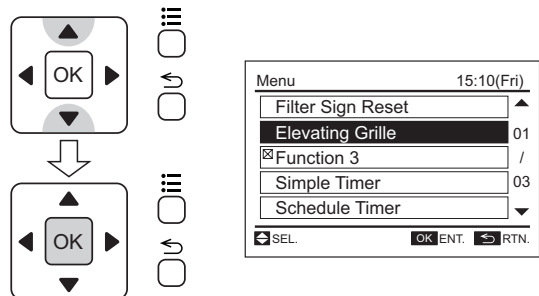
If the number of indoor unit connected with the remote control switch is 1 (one), (3) will be displayed after the procedure (1).

2 Select the indoor unit by pressing "△", "▽", "◁" or "▷". Press "OK".

```
Elevating Grille              UPDW
            All
 00-00
 01-01
 02-02

⊕SEL.        OK ENT.  ⬑ RTN.
```

3 Press "▽". The elevating grille starts lowering.

- Once "▽" is pressed, the elevating grille lowers to the specified height.

- If "▽" is pressed once again, the elevating grille lowers by 50cm from the present height. (When "▽" is pressed each time, the elevating grille lowers respectively by 50cm.)

- To stop the elevating grille, press "△".

```
Elevating Grille:All                    UPDW


        Press △▽ to raise/lower grille


                                    ⤺ RTN.
```
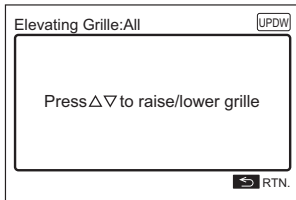
4 When the cleaning is finished, press "△". The elevating grille starts rising. The grille will be set inside the air panel and stopped moving after 3 seconds. (If the air inlet grille is inclined at this time, press "△" again. An inclination may be corrected).

```
Elevating Grille:All                    UPDW


        Press △▽ to raise/lower grille


                                    ⤺ RTN.
```
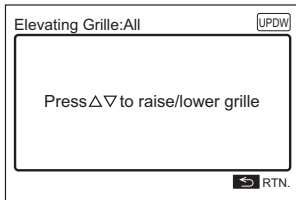
5 Press "⤺" (return). The screen will return to (2). If necessary, set the elevating grille for other indoor units). To finish the setting, press "⤺" (return) again. The screen will return to the menu. If "⤺" (return) is pressed once again, the screen will return to the normal mode.
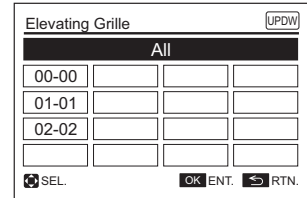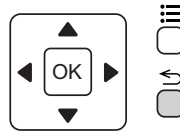
```
Elevating Grille                 UPDW
              All
   00-00
   01-01
   02-02

  ⊕ SEL.          OK ENT.   ⤺ RTN.
```

ℹ NOTE

If the number of indoor unit connected with the remote control switch is 1 (one), the screen will return to the normal mode after "⤺" (return) is pressed.

14.4 SIMPLE TIMER OPERATION

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

The timer operation contents can be set from "Once" or "Everyday".

1 Select "Simple Timer" from the menu and press "OK". The simple timer setting will be displayed.

```
Menu                   15:10(Fri)
   Filter Sign Reset          ▲
   Elevating Grille          01
 ☒ Function 3                 /
   Simple Timer              03
   Schedule Timer             ▼
 ⇄ SEL.          OK ENT.   ⤺ RTN.
```

ℹ NOTE

If the present time has not been set yet, automatically "Set Date/Time" will be displayed. Refer to "14.11 Adjusting date/time" section.

2 Press "△" or "▽" to select the setting items. The setting items are displayed "Timer Ope.", "ON Time" and "OFF Time".

```
Simple Timer            15:10(Fri)
  Timer Ope.  : ◄   Not Used   ►
  ON Time     :       - - : - -
  OFF Time    :       - - : - -


 ⊕ SEL.   ◄► ADJ   OK ENT.  ⤺ RTN.
```

3 Press "◁" or "▷" to set each setting content for the selected item. When "Timer Ope." is selected, the setting contents are switched in order of "Not Used" ◄——► "Once" ◄——► "Everyday" by repeatedly pressing "◁" or "▷". When "ON Time" or "OFF Time" is selected, the setting time can be set every 30 minutes by pressing "◁" or "▷". Press and hold "◁" or "▷", the setting time can be continuously indicated.

```
Simple Timer            15:10(Fri)
  Timer Ope.   :      Everyday
  ON Time      : ◄     08 : 30    ►
  OFF Time     :       - - : - -


 ⊕ SEL.   ◄► ADJ   OK ENT.  ⤺ RTN.
```

ℹ NOTE

If "Once" of the timer operation setting is selected, the setting content will be automatically changed to "Not Used" after "Once" timer operation.

4 Press "OK" to finish the simple timer setting. The confirmation screen will be displayed.
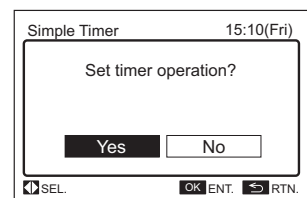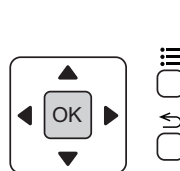
```
Simple Timer            15:10(Fri)

        Set timer operation?


      Yes           No

 ◄► SEL.          OK ENT.  ⤺ RTN.
```

5 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.


"⊕" will be indicated when the timer operation is activated.
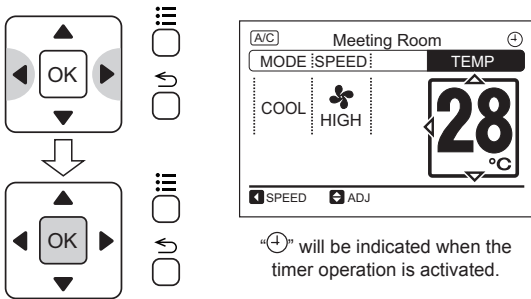
ℹ️ **N O T E**

In the case of the following condition, the simple timer operation is NOT available:

- *When the prohibiting operation by remote control switch is set from the central controller.*

- *When "⊗" is indicated on LCD, the timer operation cannot perform. Set the date and time according to "14.11 Adjusting date/time" section.*

14.5 SCHEDULED OPERATION

14.5.1 Schedule setting

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

Temperature can be also set when the unit is operated.

Five different schedule timers (max.) can be set for each day of the week.

1 Select "Schedule Timer" from the menu and press "OK".
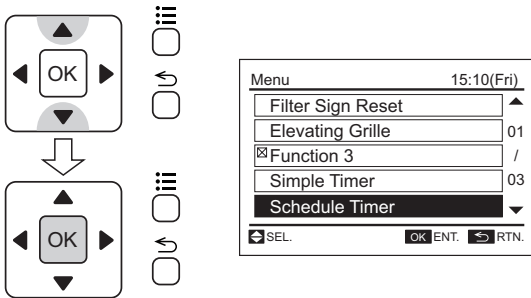
2 Select "Day/Time Setting" by pressing "△" or "▽" and press "OK".
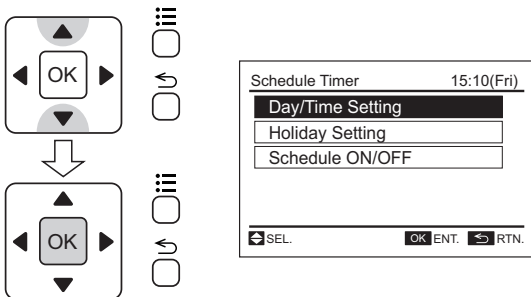
ℹ️ **N O T E**

If the present time has not been set yet, automatically "Set Date/Time" will be displayed. Refer to "14.11 Adjusting date/time".

3 Select the day of the week (from Monday to Sunday) by pressing "△" or "▽". Press "OK".

- "■" (run) and "☐" (stop) will be displayed on LCD.

- To copy the setting contents of the previous day, press "◁" and "OK" simultaneously.

Example:

The setting contents of Monday is copied in Tuesday.

  a. Select "Tue".

  b. Press "◁" and "OK" simultaneously.

  c. The setting contents of Monday are copied in Tuesday.
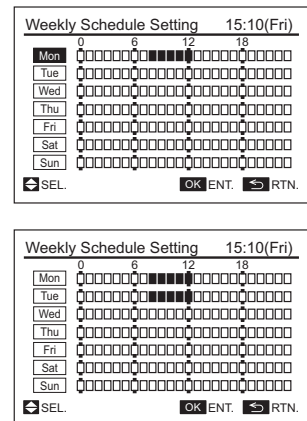
4 Select the schedule No (from 1 to 5) by pressing "△" or "▽". Select "ON Time", "OFF Time" or "Setting Temperature" by pressing "◁" or "▷". Set the ON/OFF timer and temperature by pressing "△" or "▽".

- Press or keep pressing "△" or "▽" to adjust numbers.

- Five different schedule timers (max) can be set for each day of the week.
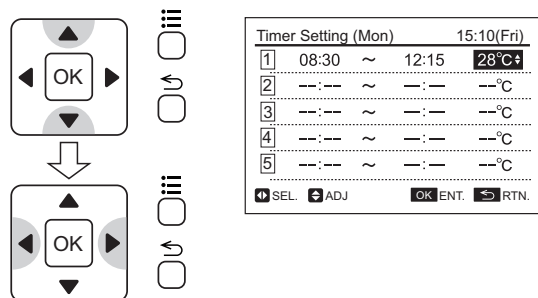
The figure shows that following timers are set for Monday;

ON Timer: 8:30

OFF Timer: 12:15

Setting Temperature: 28ºC

5 Press "OK". The confirmation screen will be displayed.
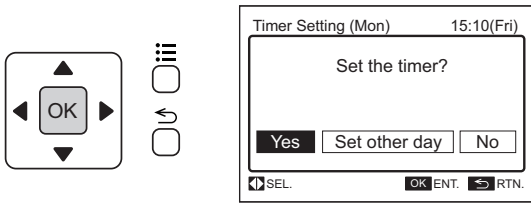
Timer Setting (Mon)   15:10(Fri)

Set the timer?

| Yes | Set other day | No |

SEL.   OK ENT.   RTN.

6 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode. To set other days of the week, select "Set other day" and press "OK".

A/C   Meeting Room
MODE SPEED   TEMP

COOL   🌀
       HIGH   **28**
                          °C

SPEED   ADJ

"⊕" will be indicated when the schedule operation is activated.
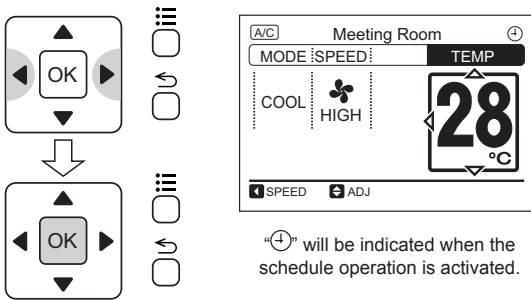
ℹ️ **N O T E**

In the case of the following condition, the schedule operation is NOT available;

• *When the prohibiting operation by remote control switch is set from the central controller.*

• *When "⊗" is indicated on LCD, the schedule operation cannot perform. Set the date and time according to "14.11 Adjusting date/ time" section.*

14.5.2 Holiday setting

This function is used to deactivate the schedule operation temporarily.

This function is used to deactivate the schedule operation just for one day. After that, the schedule operation will recover automatically.

This function is used to set irregular schedules such as national holidays.

**1** Select "Schedule Timer" from the menu and press "OK". The schedule timer setting will be displayed.

Menu   15:10(Fri)
Filter Sign Reset	▲
Elevating Grille	01
☒ Function 3	/
Simple Timer	03
Schedule Timer	▼
SEL.   OK ENT.   RTN.
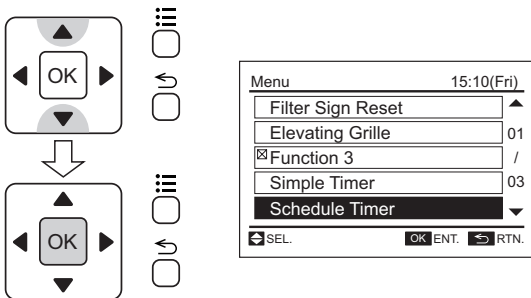
2 Select "Holiday Setting" by pressing "△" or "▽" and press "OK".

Schedule Timer   15:10(Fri)
| Day/Time Setting |
| Holiday Setting |
| Schedule ON/OFF |

SEL.   OK ENT.   RTN.
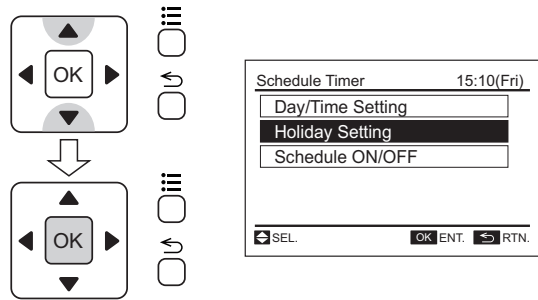
3 Select the day of the week to stop the operation by pressing "△" or "▽". Select "HOL. ON/OFF" by pressing "◁" or "▷".

"■" and "☐" will be changed to "▦" and "▤" on LCD.
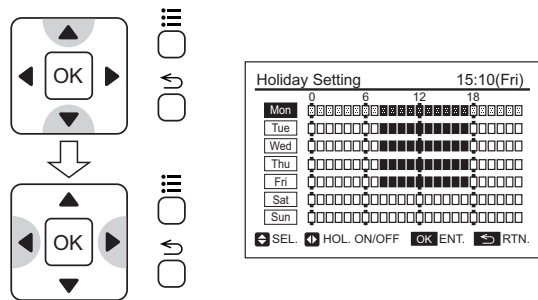
Holiday Setting   15:10(Fri)
            0   6   12   18
Mon
Tue
Wed
Thu
Fri
Sat
Sun
SEL. ◀▶ HOL. ON/OFF OK ENT.   RTN.

4 Press "OK" after the setting is completed. The confirmation screen will be displayed.

Holiday Setting   15:10(Fri)

Save holiday setting?

| Yes | No |

SEL.   OK ENT.   RTN.
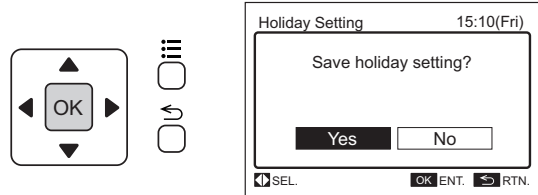
5 Select "Yes" by pressing "◁" or "▷" and press "OK". The holiday setting will be confirmed and the screen will return to the normal mode.

A/C   Meeting Room
MODE SPEED   TEMP

COOL   🌀
       HIGH   **28**
                          °C

SPEED   ADJ
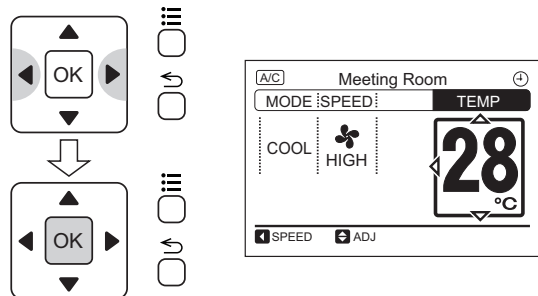
ℹ️ **N O T E**

"⊕" will be turned off when the holiday setting is activated.

14.5.3 Schedule ON/OFF setting

This function is used to deactivate the schedule operation temporarily.

The schedule operation will not be carried out when "OFF" is set in this function.

This function is used to apply for long period of holidays.

1 Select "Schedule Timer" from the menu and press "OK".

Menu	15:10(Fri)
Filter Sign Reset	▲
Elevating Grille	01
☒ Function 3	/
Simple Timer	03
Schedule Timer	▼

SEL.   OK ENT.   RTN.
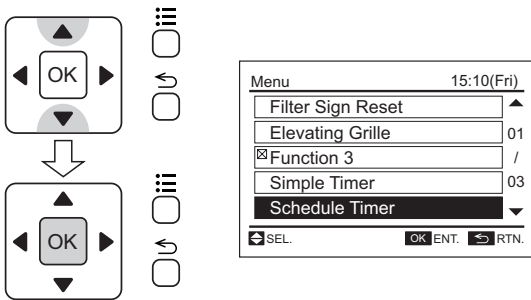
2 Select "Schedule ON/OFF" by pressing "△" or "▽" and press "OK". The confirmation screen will be displayed.

Schedule Timer	15:10(Fri)
Day/Time Setting	
Holiday Setting	
Schedule ON/OFF	

SEL.   OK ENT.   RTN.
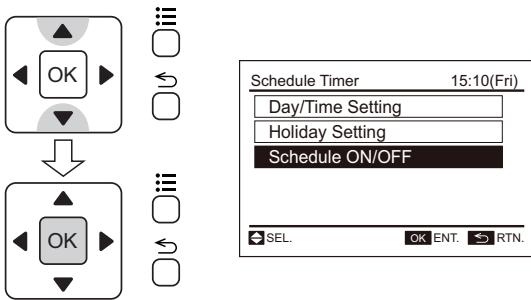
3 Select "Yes" by pressing "◁" or "▷" and press "OK". The schedule ON/OFF setting will be confirmed and the screen will return to the normal mode.

"⊕" will be turned on when the setting of schedule operation is valid.

"⊕" will be turned off when the setting of schedule operation is invalid.

Schedule ON/OFF	15:10(Fri)
Turn ON schedule function?	
Yes	No

SEL.   OK ENT.   RTN.
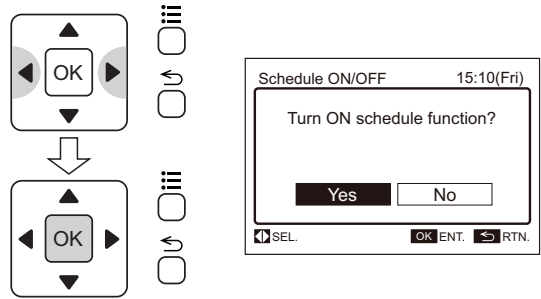
ⓘ N O T E

When the setting of schedule operation is invalid, the schedule operation will not be activated.

14.6 INDIVIDUAL LOUVER SETTING

14.6.1 Setting

This setting is available only for the indoor unit adopting the individual louver. The each louver angle can be set individually.

ⓘ N O T E

- *This function is available only when the indoor unit corresponds to the individual louver.*
- *This function cannot be set when the unit is stopped.*
- *The fan speed will be changed to "LOW" while this function is being set. (After the setting is completed, the unit operation will be back to normal).*
- *As for "Start-up of Heating Operation", "During Defrost Operation" and "Activation of Thermo-Controller", all the louver angles will be fixed at horizontal position automatically even when this function is activated.*
- *This function will not be available if 2 (two) remote control switches (including multifunctional remote control switch + wireless remote control switch) are used.*
- *With one multifunctional remote control switch, the maximum of 4 (four) indoor units can be set for this function.*

1 Select "Louver Setting" from the menu and press "OK".

The individual louver setting menu will be displayed.

Menu	15:10(Fri)
Louver Setting	▲
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	▼

SEL.   OK ENT.   RTN.
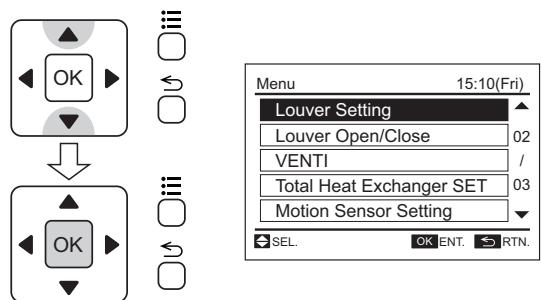
2 Select "Louver Setting" from the individual louver setting menu and press "OK".
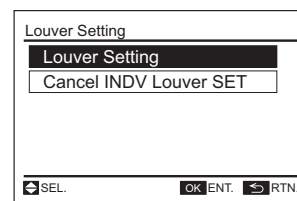
Louver Setting	
Louver Setting	
Cancel INDV Louver SET	

SEL.   OK ENT.   RTN.

ⓘ N O T E

If the number of indoor unit connected with the remote control switch is 1 (one), (4) will be displayed after the procedure (2).

3 Select the indoor unit to change the louver direction by pressing "△", "▽", "◁" or "▷". Press "OK".

```
Louver Setting
01-01 ☐ ☐ ☐
01-02 ☐ ☐ ☐
01-03 ☐ ☐ ☐
01-04 ☐ ☐ ☐
      Select unit to set.
✛SEL.        OK ENT.  ↩RTN.
```
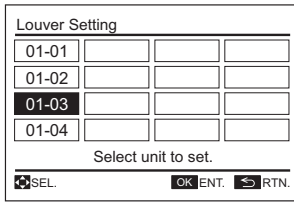
ℹ️ **NOTE**

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

4 Press "◁" or "▷" and select the louver from 1 to 4. The selected louver is opened and the other louvers are closed.

```
Louver Setting:01-03
  1    2    3    4
Adjust air direction & louver angle
◀▶SEL.   ↕ADJ  OK ENT.  ↩RTN.
```
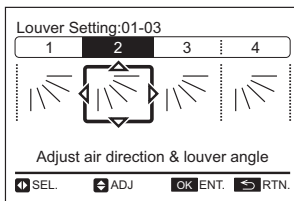
5 Select the louver angle by pressing "△" or "▽" and press "OK". The confirmation screen will be displayed.

```
Louver Setting:01-03
  1    2    3    4
Adjust air direction & louver angle
◀▶SEL.   ↕ADJ  OK ENT.  ↩RTN.
```
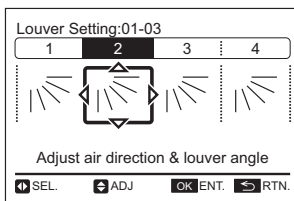
The louver angle will be changed as follows.

```
|  ↔  |  ↔  |  ↔  |  ↔  |  ↔  |  ↔  |  ↔  |  ↔  |
   INDV   INDV   INDV   INDV   INDV   INDV   INDV   INDV
```

6 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting is confirmed and the screen will return to the normal mode.

```
Louver Setting:01-03

   Set individual louver?


    Yes        No
◀▶SEL.        OK ENT.  ↩RTN.
```
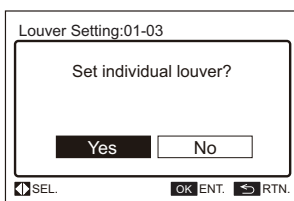
7 Ensure that "INDV" is turned on at the air flow section on the normal mode.

```
A/C      Meeting Room
MODE  SPEED  LOUV.    TEMP

COOL    ❄    | INDV  28
        HIGH              °C
▶SPEED    ↕ADJ
```
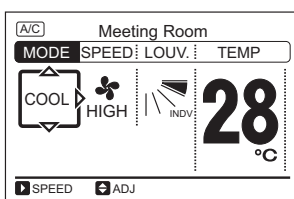
14.6.2 Cancellation of louver setting

1 Select "Louver Setting" from the menu and press "OK".

```
Menu            15:10(Fri)
 Louver Setting          ▲
 Louver Open/Close       02
 VENTI                   /
 Total Heat Exchanger SET 03
 Motion Sensor Setting   ▼
⇄SEL.        OK ENT.  ↩RTN.
```
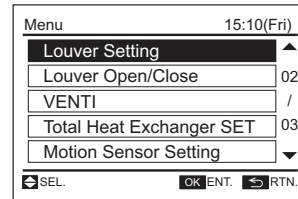
2 Select "Cancel INDV Louver SET" from the individual louver set and press "OK".
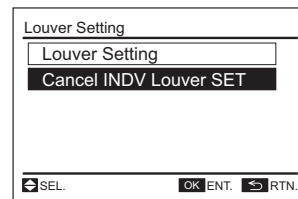
```
Louver Setting
 Louver Setting
 Cancel INDV Louver SET


⇄SEL.        OK ENT.  ↩RTN.
```

ℹ️ **NOTE**

If the number of indoor unit connected with the remote control switch is 1 (one), (4) will be displayed after the procedure (2).

3 Select the indoor unit to cancel by pressing "△", "▽", "◁" or "▷". Press "OK". The confirmation screen will be displayed.

```
Cancel INDV Louver SET
01-01 ☐ ☐ ☐
01-02 ☐ ☐ ☐
01-03 ☐ ☐ ☐
01-04 ☐ ☐ ☐
    Select unit to cancel.
✛SEL.        OK ENT.  ↩RTN.
```
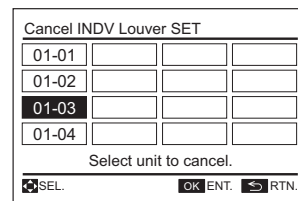
ℹ️ **NOTE**

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

4 Select "Yes" by pressing "◁" or "▷" and press "OK". The individual louver setting will be cancelled and the screen will return to the normal mode.

```
Cancel INDV Louver SET:01-03

   Cancel individual louver?


    Yes        No
◀▶SEL.        OK ENT.  ↩RTN.
```
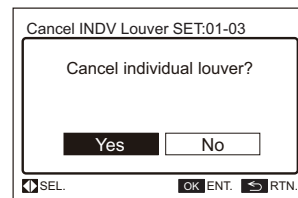
ℹ️ **NOTE**

All the individual louver setting will be cancelled.

14.7 LOUVER OPEN/CLOSE

This function is used to fully open louver for adjusting the vertical deflector for air flow direction (manually).

This function cannot be set when the unit is operated.

1 Select "Louver Open/Close" from the menu and press "OK".

Menu	15:10(Fri)
Louver Setting	▲
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	▼
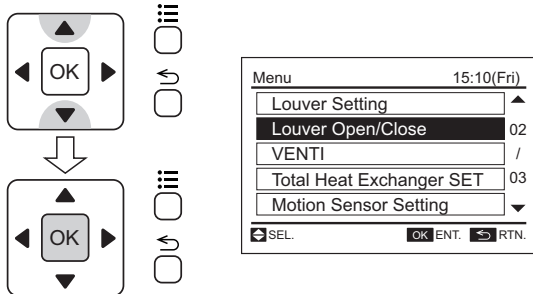
2 Select "Yes" by pressing "◁" or "▷" and press "OK". The louver will be open (closed) and the screen will return to the normal mode.

Louver Open/Close

Open louver?

Yes   No
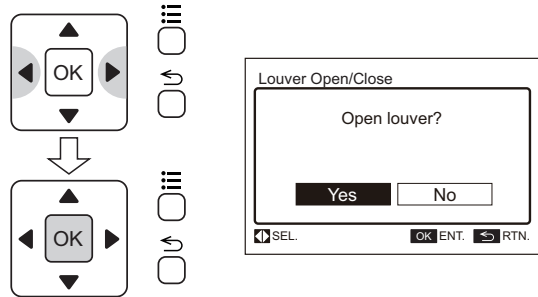
14.8 VENTILATION

◆ Function

• A/C (Air Conditioning):

  To operate the air conditioner individually.

• VENTI (Ventilation):

  To operate the total heat exchanger individually.

• A/C+VENTI:

  To operate the air conditioner and the total heat exchanger together.

ℹ️ **NOTE**

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

1 Select "VENTI" from the menu and press "OK".

Menu	15:10(Fri)
Louver Setting	▲
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	▼
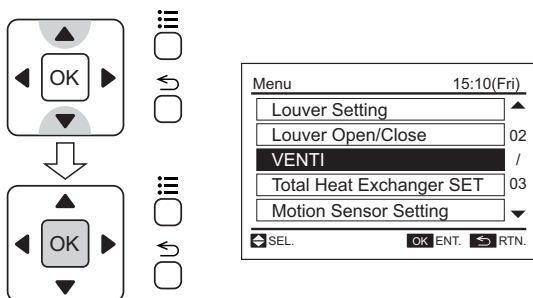
2 By repeatedly pressing "◁" or "▷", the indication is changed in order of "A/C", "VENTI" and "A/C + VENTI". Select the operation target and press "OK". The confirmation screen will be displayed.
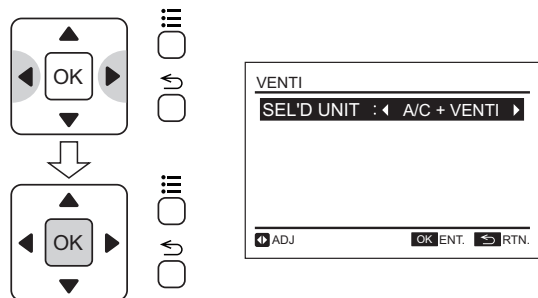
VENTI

SEL'D UNIT : ◀ A/C + VENTI ▶

3 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.

VENTI

Fix desired mode?

Yes   No
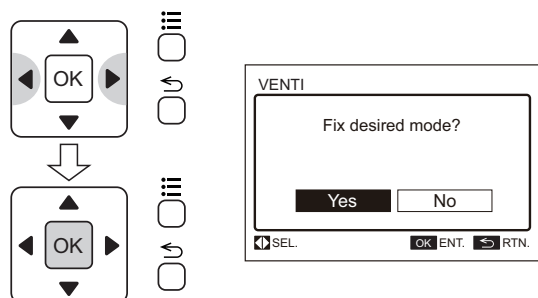
14.9 SETTING OF TOTAL HEAT EXCHANGER

This function is used to change the ventilation mode of the total heat exchanger.

ℹ️ **NOTE**

This function is available only when the total heat exchanger is connected. This function cannot be set when the unit is operated.

1 Select "Total Heat Exchanger SET" from the menu and press "OK". The total heat exchanger set will be displayed.

Menu	15:10(Fri)
Louver Setting	
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	
⬐ SEL.	OK ENT. ↩ RTN.

2 By repeatedly pressing "◁" or "▷", the indication is changed in order of AUTO VENTI ⟷ THEX VENTI ⟷ Normal VENTI. Select the operation target and press "OK". The confirmation screen will be displayed.

Total Heat Exchanger SET
VENTI Mode : ◀ THEX VENTI ▶

◀▶ ADJ   OK ENT.   ↩ RTN.

3 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.

Total Heat Exchanger SET

Fix setting of
total heat exchanger?

[Yes]   [No]

◀▶ SEL.   OK ENT.   ↩ RTN.

14.10 MOTION SENSOR

This function is available only when the motions sensor is equipped with the air panel.

The motion sensor detects a human activity by the change of the infrared light.

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.
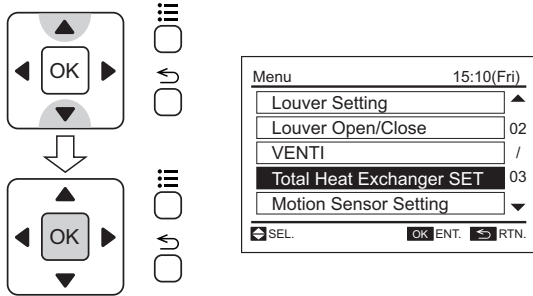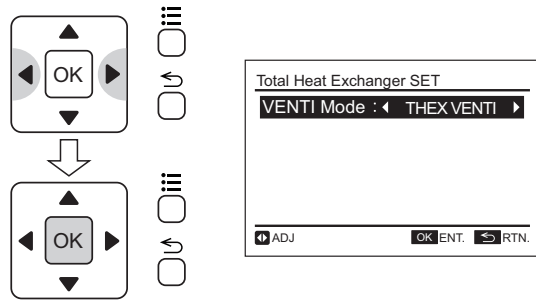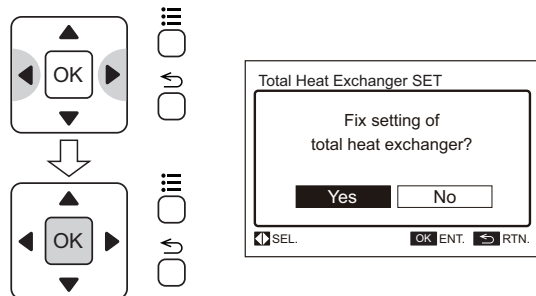
The operation after the motion sensor detects as absence can be selected from "Running", "Stand-by" or "Stop" on the remote control switch with the capacity saving.

ℹ️ **NOTE**

This setting is available only for the air panel with motion sensor.

⚠️ **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 someone is in a room with a bit motion, the motion sensor may detect as absence.

• The motion sensor may detect as human activity if the indoor unit with the motion sensor is installed near a moving object (ex. swing operation of a heating appliance) which is difference in temperature against atmosphere.

• 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.*

• *If the function "Prohibiting operation by remote control switch" is used from the centralized controller, select the command "Running" or "Stand-by" in "If absent" at the motion sensor control setting.*

• *If "Stop" is selected, the motion sensor control can not be performed correctly as follows:*

 - *In the case that "Stop" is selected in the motion sensor control setting and "Prohibiting operation by remote control switch" (for all items) is set by the centralized controller, the operation will not be stopped even if the motion sensor control function changes to the stoppage condition.*

 - *In the case that "Stop" is selected in the motion sensor control setting and "Prohibiting operation by remote control switch" (for part of items) is set by the centralized controller, the indoor unit operation can not be restarted from the centralized controller although the operation can be stopped under the stoppage condition by the motion sensor control function.*

14.10.1 Details for motion sensor control

The motion sensor control adjusts automatically the following items depending on a situation.

- Setting Temperature:

  The temperature is adjusted 1oC or 2oC for saving capacity.

- Air Flow Volume:

  The air flow volume is adjusted to lower one volume or to "Slo" (except during the dry operation).

- Air Flow Direction:

  The air flow direction is adjusted to horizontal.

14.10.2 Descriptions for setting items

◆ Motion sensor setting:

- ON: The operating control function by the motion sensor is activated.
- OFF: The operating control function by the motion sensor is not activated.

  (The default setting is "ON".)

◆ If absent

"If absent" is set for the indoor unit operation after the motion sensor detects as absence for set time in "Check interval". The operation can be selected from "Running", "Stand-by" or "Stop" on the remote control switch.

(The default setting is "Running".)

- Running:

  The operation is continued with saving the capacity after detected as an absence.

  If the human activity is detected for a period of time, the normal operation will be performed again.

- Stand-by:

  The operation mode is the fan operation at "Slo" speed. If the human activity is detected for a period of time, the normal operation will be performed again.

- Stop:

  The operation is stopped by the remote control switch when all the indoor units with motion sensor detect absence which are connected with same remote control switch. If the human activity is detected for a period of time by the stoppage, the normal operation is performed again.

◆ Check Interval

When the motion sensor detects an absence at selected check interval time, the function "If absent" will be executed. The interval can be selected from 30, 60, 90 120 or 180 minutes.

(The default setting is 30 minutes.)

14.10.3 Setting of motion sensor

1 Press "☰" (menu). Select "Motion Sensor Setting" from the menu by pressing "△" or "▽" and press "OK".

Menu	15:10(Fri)
Louver Setting	▲
Louver Open/Close	02
VENTI	/
Total Heat Exchanger SET	03
Motion Sensor Setting	▼

⇵ SEL.   OK ENT.   ⮌ RTN.
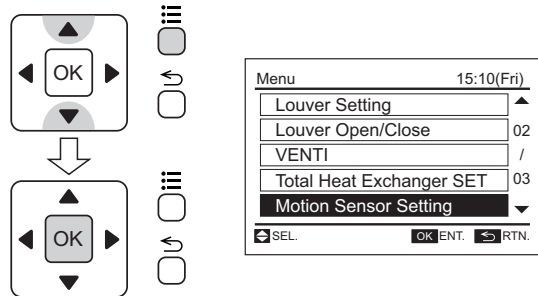
2 "Motion Sensor Setting" is displayed. The highlighted item is shifted to "Sensor", "If absent" and "Check interval" by pressing "△" or "▽".

Motion Sensor Setting
Sensor   :   ON   ▶
If absent   :   Running
Check interval: 30MIN

⇵ SEL. ◀▶ ADJ   OK ENT.   ⮌ RTN.
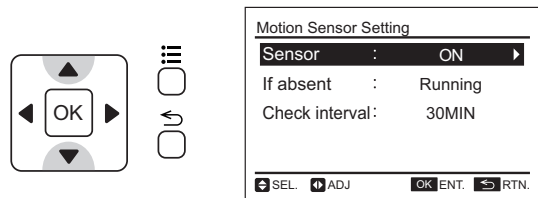
To set "Sensor", move to procedure (3). To set "If absent", move to procedure (5). To set "Check interval", move to procedure (7).

3 Press "△" or "▽" and select "Sensor".

Motion Sensor Setting
Sensor   :   ON   ▶
If absent   :   Running
Check interval: 30MIN

⇵ SEL. ◀▶ ADJ   OK ENT.   ⮌ RTN.
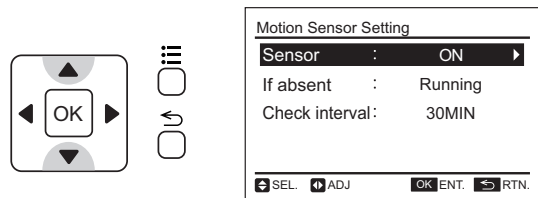
4 The display is switched "ON" and "OFF" in order by pressing "◁" or "▷" and change the setting.

If other settings are not required, move to procedure (9).

Motion Sensor Setting
Sensor   :   ON   ▶
If absent   :   Running
Check interval: 30MIN

⇵ SEL. ◀▶ ADJ   OK ENT.   ⮌ RTN.

5 Press "△" or "▽" and select "If absent".

Motion Sensor Setting
Sensor   :   ON
If absent   :   Running   ▶
Check interval: 30MIN

⇵ SEL. ◀▶ ADJ   OK ENT.   ⮌ RTN.
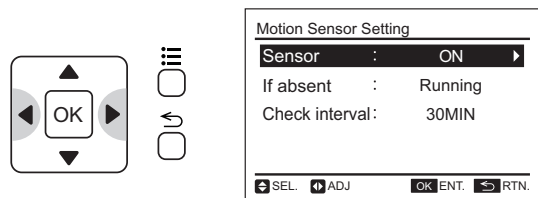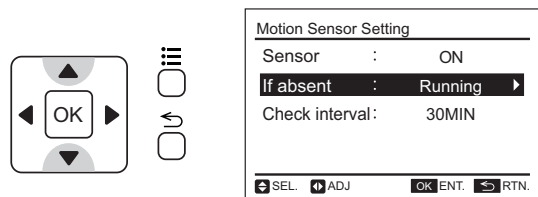
6 The display is switched "Running", "Stand-by" and "Stop" in order by pressing "◁" or "▷" and change the setting.

If other settings are not required, move to procedure (9).

Motion Sensor Setting
Sensor   :   ON
If absent   :   Running   ▶
Check interval: 30MIN

◆SEL.   ◀▶ADJ   OK ENT.   ↩RTN.
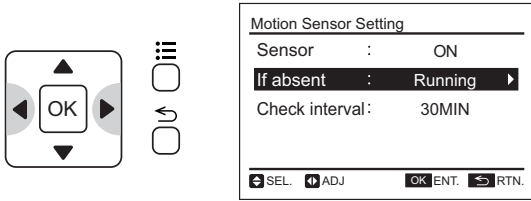
7 Press "△" or "▽" and select "Check interval".

Motion Sensor Setting
Sensor   :   ON
If absent   :   Running
Check interval: 30MIN   ▶

◆SEL.   ◀▶ADJ   OK ENT.   ↩RTN.
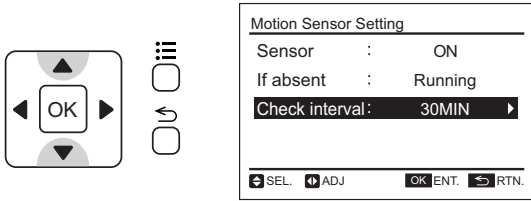
8 The display is switched "30MIN", "60MIN", "90MIN", "120MIN" and "180MIN" in order by pressing "◁" or "▷" and change the setting.

If other settings are not required, move to procedure (9).

Motion Sensor Setting
Sensor   :   ON
If absent   :   Running
Check interval: 30MIN   ▶

◆SEL.   ◀▶ADJ   OK ENT.   ↩RTN.

14.11 ADJUSTING DATE/TIME

This function is used to adjust the date and time.

Periodic time setting is recommended. (Clock accuracy: difference within ±70 seconds by month).

As for this remote control switch, the clock can work up to 72 hours when power failure occurs. Reset the date and time if the remote control switch remains without power supply for longer than 72 hours or main power supply is OFF for long time.

1 Select "Adjusting Date/Time" from the menu and press "OK".

Menu   15:10(Fri)
Adjusting Date/Time   ▲
Screen Display Setting   03
⊠ Function 13   /
Room Name   03
⊠ Function 15   ▼
◆SEL.   OK ENT.   ↩RTN.
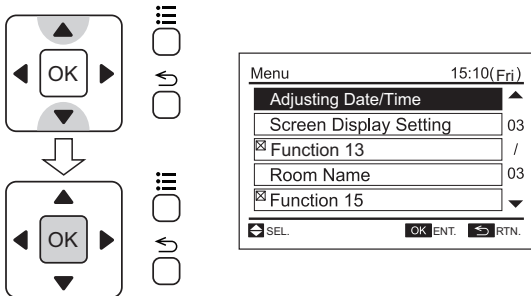
2 Press "◁" or "▷" and select "yy/mm/dd/hh/mm".

3 Press "△" or "▽" to change the setting. Press or keep pressing "△" or "▽" to adjust numbers.

9 Press "OK" after the setting is completed. The confirmation screen will be displayed. Select "Yes" by pressing "◁" or "▷" and press "OK". The motion sensor setting will be confirmed and the screen will return to the normal mode (operation mode indication).

Motion Sensor Setting

Save changes?

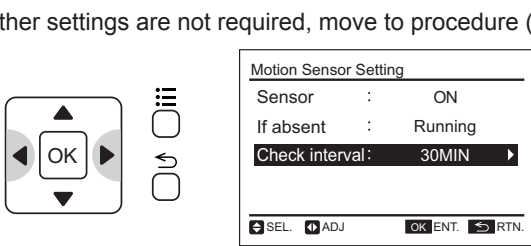Yes   No

◀▶SEL.   OK ENT.   ↩RTN.

A/C   Meeting Room
MODE SPEED LOUV.   TEMP
HEAT   ❄   /| **20**
       MED
Motion Sensor is activated   °C
◀ LOUV.   ◆ ADJ

4 After the setting is completed, press "OK" and the confirmation screen will be displayed.
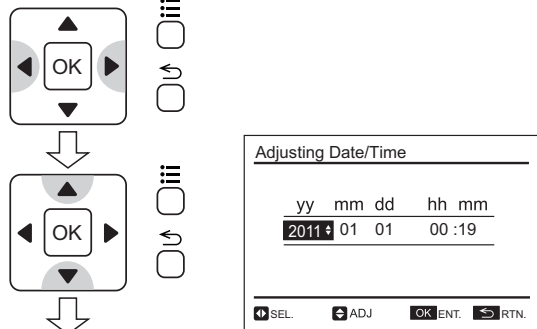
Adjusting Date/Time

  yy   mm dd   hh mm
2011◆ 01   01   00 :19

◀▶SEL.   ◆ADJ   OK ENT.   ↩RTN.

5 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.

Adjusting Date/Time

Set date/time?

Yes   No

◀▶SEL.   OK ENT.   ↩RTN.
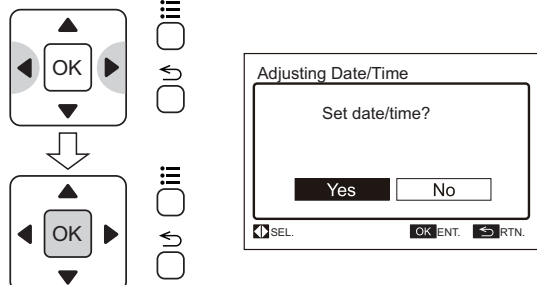
14.12 LANGUAGE SETTING

This function is used to change the displayed language.

1 Select "Screen Display Setting" from the menu and press "OK".


```
Menu                    15:10(Fri)
    Adjusting Date/Time            ▲
    Screen Display Setting       03
⊠ Function 13                    /
    Room Name                   03
⊠ Function 15                   ▼
⮌SEL.              OK ENT.    ⮌RTN.
```

2 Select "Language Setting" by pressing "△" or "▽" and press "OK". The language setting will be displayed.


```
Screen Display Setting      15:10(Fri)
    Display Adjustment
    Language Setting
    Temperature Unit

⮌SEL.              OK ENT.    ⮌RTN.
```

3 Press "△" or "▽" to select the language and press "OK". The confirmation screen will be displayed.
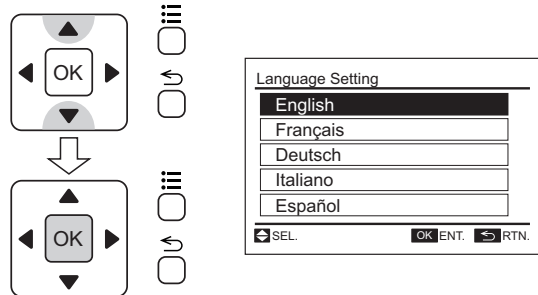

```
Language Setting
    English
    Français
    Deutsch
    Italiano
    Español
⮌SEL.              OK ENT.    ⮌RTN.
```

4 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.


```
Language Setting

      Initialize room name and
       contact info. to switch
            language?
        Yes          No
⮌SEL.              OK ENT.    ⮌RTN.
```
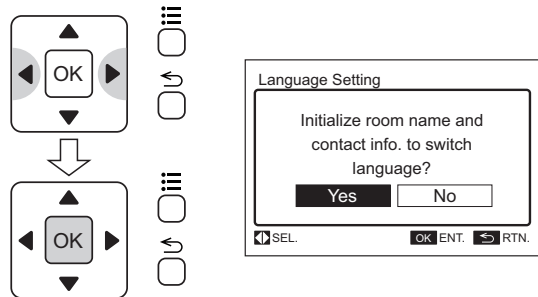
ℹ️ N O T E

If displayed language is changed, the registered room name and contact information will be deleted.

14.13 TEMPERATURE UNIT

This function is used to change the temperature unit.

1 Select "Screen Display Setting" from the menu and press "OK".


```
Menu                    15:10(Fri)
    Adjusting Date/Time            ▲
    Screen Display Setting       03
⊠ Function 13                    /
    Room Name                   03
⊠ Function 15                   ▼
⮌SEL.              OK ENT.    ⮌RTN.
```

2 Select "Temperature Unit" by pressing "△" or "▽" and press "OK".


```
Screen Display Setting      15:10(Fri)
    Display Adjustment
    Language Setting
    Temperature Unit

⮌SEL.              OK ENT.    ⮌RTN.
```
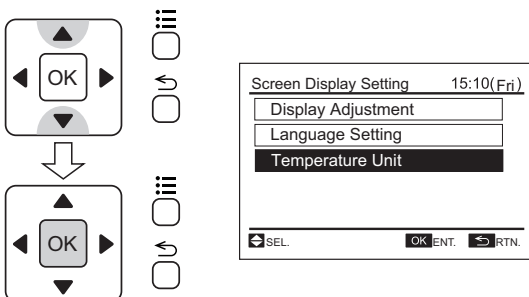
3 By repeatedly pressing "◁" or "▷", the indication is changed in order of "Degrees C" and "Degrees F". Select the operation target and press "OK". The confirmation screen will be displayed.
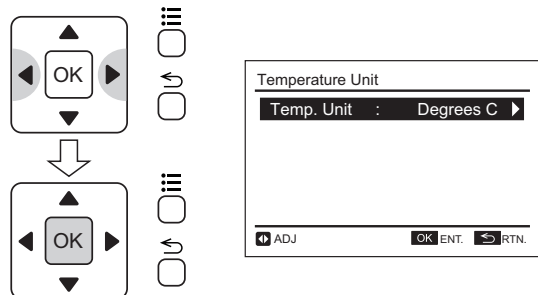

```
Temperature Unit
    Temp. Unit   :    Degrees C ▷

⮌ADJ               OK ENT.    ⮌RTN.
```
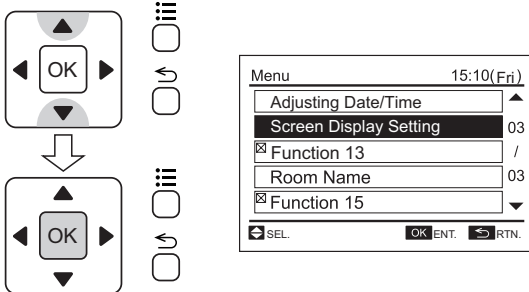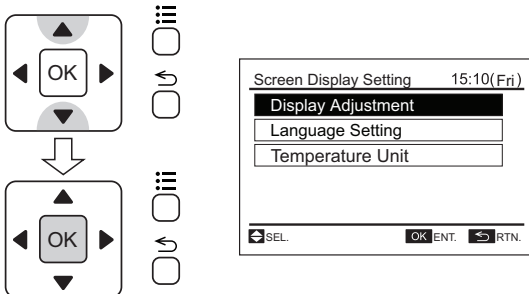
4 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.


```
Temperature Unit

          Save changes?

        Yes          No
⮌SEL.              OK ENT.    ⮌RTN.
```
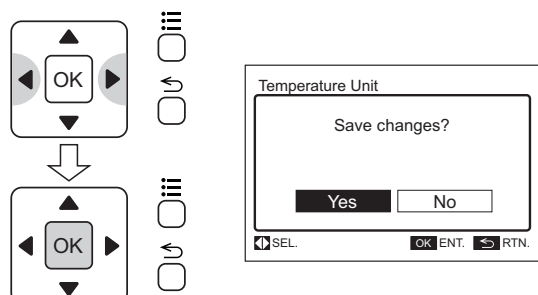
14.14 SCREEN DISPLAY SETTING

14.14.1 Display Adjustment

◆ Function

- Time Format:

  To change the time form to 12 hour or 24 hour.

- Brightness:

  To adjust the brightness of backlight.

- Black light:

  To change the time (5, 15 or 30 seconds) between ON and OFF of backlight.

- Contrast:

  To adjust the degree of difference between light and dark parts of LCD.

- On/Off lamp. (Run Indicator Lamp Brightness):

  To adjust the brightness of run indicator.

1 Select "Screen Display Setting" from the menu and press "OK".

2 Select "Display Adjustment" by pressing "△" or "▽".
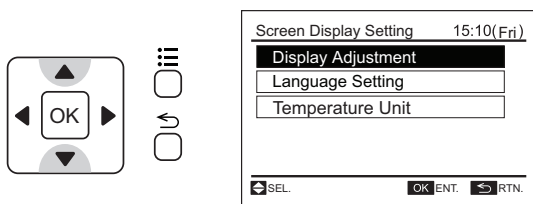
3 Select the setting item by pressing "△" or "▽". The indication is changed in order of "Time Format", "Brightness", "Black light", "Contrast" and "On/Off lamp"

4 Press "◁" or "▷" and set the display.

- Time Format:

  The time form is changed as follows; 12 Hour ⟷ 24 Hour

- Brightness:

  Press "◁" or "▷" and the brightness of backlight is changed.

- Black light:

  The display backlight is OFF after the specified time interval of inactivity (no input from touch screen). The backlight off time interval can be selected as follows;

  5 Seconds ⟷ 15 Seconds ⟷ 30 Seconds

- Contrast:

  Press "◁" or "▷" and the degree of difference between light and dark parts of LCD is changed.

- On/Off lamp:

  Press "◁" or "▷" and the brightness of run indicator is changed.

  After the setting is completed, press "OK". The confirmation screen will be displayed.
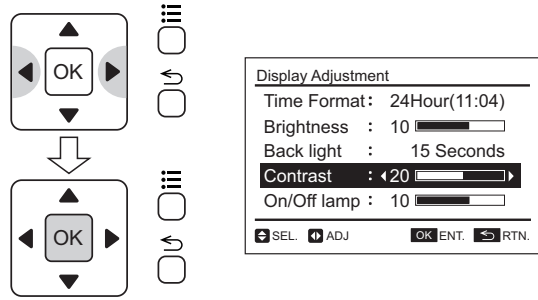
5 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.
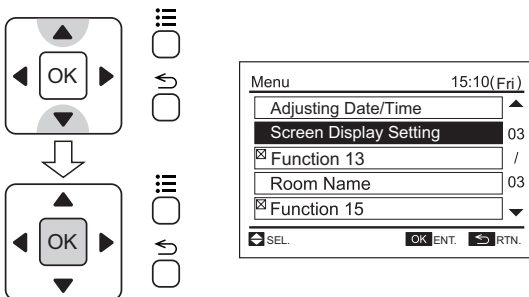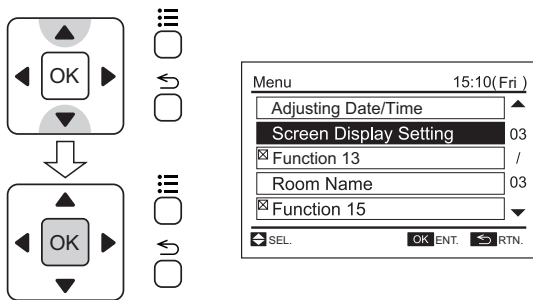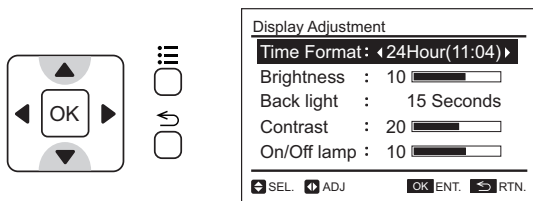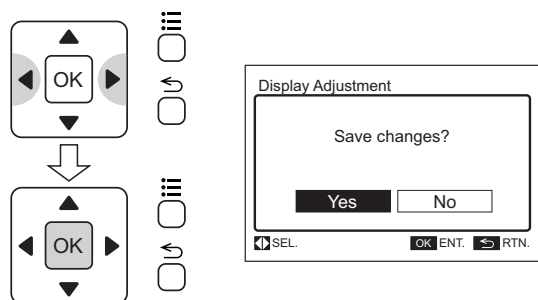
14.15 ROOM NAME REGISTRATION

This function is used to register the name of the room (installation location of remote control switch)

1 Select "Room Name" from the menu and press "OK".

The room name will be displayed.

Menu	15:10(Fri)
Adjusting Date/Time	▲
Screen Display Setting	03
⊠ Function 13	/
Room Name	03
⊠ Function 15	▼

SEL.   OK ENT.   RTN.

2 By pressing "?" (help), the letter type is changed.

Room Name

ABC | ! @ # £ % " & ^ ( )
abc | 1 2 3 4 5 6 7 8 9 0
Sym.1 | Q W E R T Y U I O P
Sym.2 | € A S D F G H J K L
| < > Z X C V B N M ,
| SPAC DEL ← → FIN.

SEL.   ? Letter   OK ENT.   FIN.

3 Press "△", "▽", "◁" or "▷" and select the letter. Press "OK" to confirm the selected letter. (Max. 12 letters)
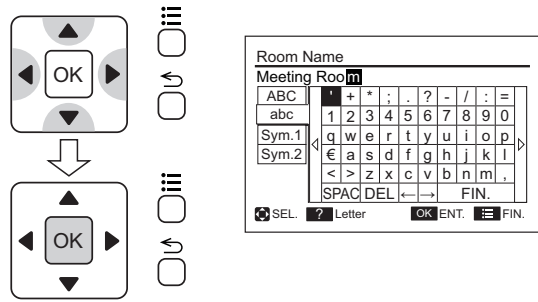
4 Select "FIN." by pressing "△", "▽", "◁" or "▷" and press "OK". (or simply press "☰" (menu)). The confirmation screen will be displayed.
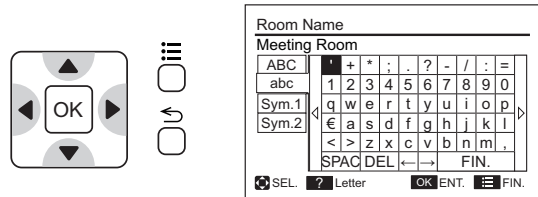
Room Name
Meeting Room

ABC | ' + * ; . ? - / : =
abc | 1 2 3 4 5 6 7 8 9 0
Sym.1 | q w e r t y u i o p
Sym.2 | € a s d f g h j k l
| < > z x c v b n m ,
| SPAC DEL ← → FIN.

SEL.   ? Letter   OK ENT.   FIN.

Room Name
Meeting Room

ABC | ' + * ; . ? - / : =
abc | 1 2 3 4 5 6 7 8 9 0
Sym.1 | q w e r t y u i o p
Sym.2 | € a s d f g h j k l
| < > z x c v b n m ,
| SPAC DEL ← → FIN.

SEL.   ? Letter   OK ENT.   FIN.

5 Select "Yes" by pressing "◁" or "▷" and press "OK". The setting will be confirmed and the screen will return to the normal mode.

Room Name

Meeting Room
Save change?

Yes   No

SEL.   OK ENT.   RTN.

15 HELP MENU

15.1 HELP MENU

The explanation of indicators on LCD and operations can be found in the help menu.
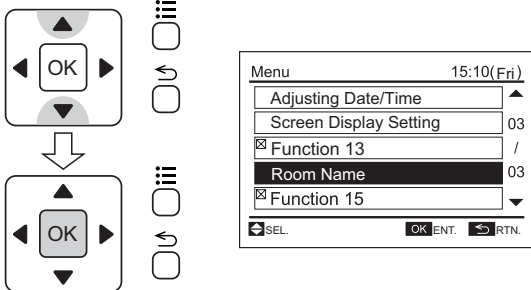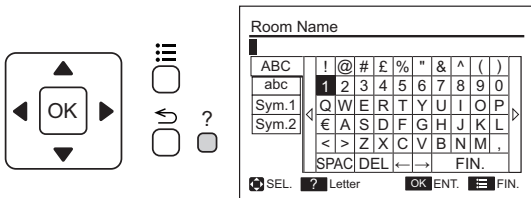
The purpose of this function is to support manual operation.

Refer to the following sections for more details.

1 Press "?" (help).

The help menu will be displayed.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.
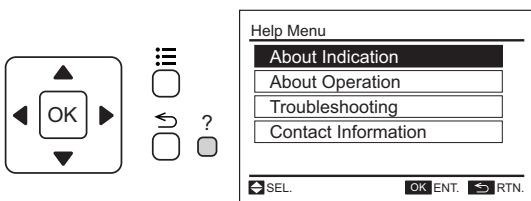
2 Select the item from the help menu by pressing "△" or "▽" and press "OK".

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.

3 To return to the normal mode, press "↰" (return).

A/C   Meeting Room
MODE SPEED   TEMP
COOL   HIGH   **28** °C

SPEED   ADJ
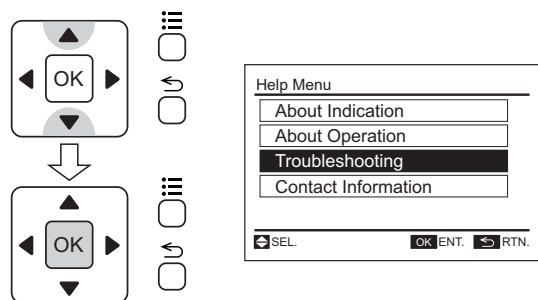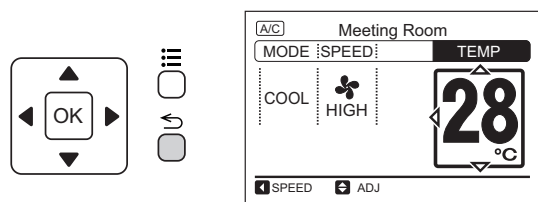
ℹ️ **N O T E**

If the menu screen remains unchanged for approximately 10 minutes, the screen will automatically return to the normal mode.

15.2 INDICATORS ON LCD

This function is used when the explanation of each icon on LCD is required.

1 Select "About Indication" from the help menu and press "OK". The explanation of indicators on LCD will be displayed.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

⬒SEL. OK ENT. ↰RTN.

2 Press "△" or "▽" to scroll the text up and down.

About Indication
A/C : Air Conditioning Operation.
VENT : Ventilation Operation.
UPDW : Grille has not been correctly positioned.
🔒 : Operation mode is locked.
FLTR : Clean Air Filter.
01 / 07
⬒Next Page   ↰RTN.

3 Press "↰" (return). The screen will return to the help menu.

To return to the normal mode, press "↰" (return) again.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

⬒SEL. OK ENT. ↰RTN.
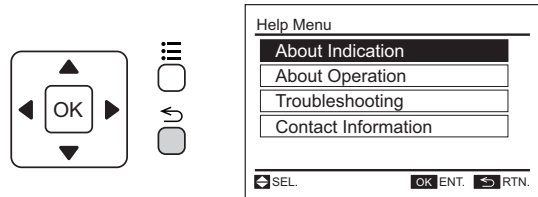
15.3 ABOUT OPERATION

This function is used when the explanation of operations and operation methods is required.

1 Select "About Operation" from the help menu and press "OK". The explanation of operation list will be displayed.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

⬒SEL. OK ENT. ↰RTN.

2 Select the operation from the list by pressing "△" or "▽" and press "OK". The explanation of the selected operation will be displayed.

About Operation
Standard Operation
Filter Sign Reset
Cleaning Sign Reset
Time Setting
Screen Display Setting

⬒SEL. OK ENT. ↰RTN.

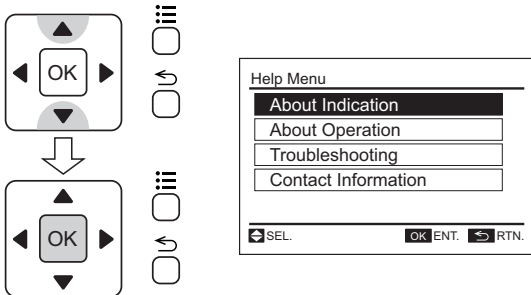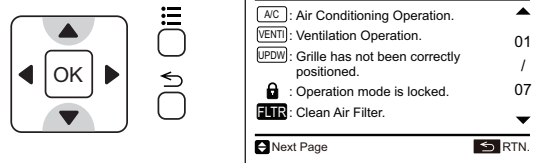**3** Press "△" or "▽" to scroll the text up and down.

About Operation
● Standard Operation
• RUN/STOP
1. Press the "⏻" (RUN/STOP) switch
The Run Indicator is turned ON during operation.
01 / 03
⬒Next Page   ↰RTN.

4 Press "↰" (return). The screen will return to the operation item.

About Operation
Standard Operation
Filter Sign Reset
Cleaning Sign Reset
Time Setting
Screen Display Setting

⬒SEL. OK ENT. ↰RTN.

5 Press "↰" (return). The screen will return to the help menu.

To return to the normal mode, press "↰" (return) again.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

⬒SEL. OK ENT. ↰RTN.

15.4 TROUBLESHOOTING

This function is used to troubleshoot.

Make sure that the troubleshooting is read carefully before requesting for repairs.
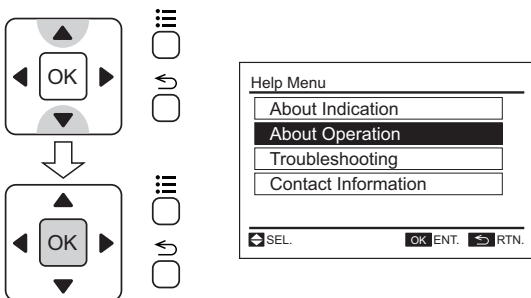
1 Select "Troubleshooting" from the help menu and press "OK". The list of troubleshooting will be displayed.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.
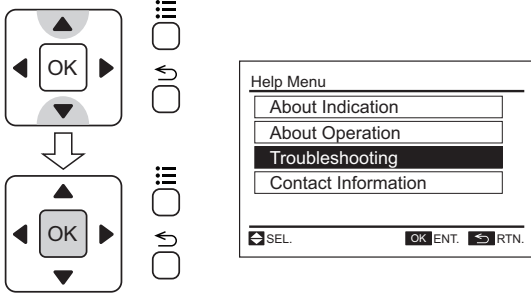
2 Select a problem from the list by pressing "△" or "▽" and press "OK". The details of the selected problem will be displayed.

Troubleshooting
Unit does not operate.
Operation stops.   01
COOL/HEAT OP NOT POSSIBLE   /
Fan speed is not as set.   03
Generation of Mist

SEL.   OK ENT.   RTN.

3 Press "△" or "▽" to scroll the text up and down.

Troubleshooting
◇Following do not indicate a failure
● Unit does not operate.
Condition: HOT-ST is indicated on the   01
  display of the remote comtrol switch.   /
Cause: The control to heat compressor   06
  is activated in order to extend the
  life of the product.

Next Page   RTN.

4 Press "↩" (return). The screen will return to the list of troubleshooting.
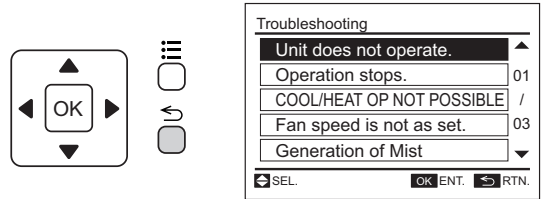
Troubleshooting
Unit does not operate.
Operation stops.   01
COOL/HEAT OP NOT POSSIBLE   /
Fan speed is not as set.   03
Generation of Mist

SEL.   OK ENT.   RTN.

5 Press "↩" (return). The screen will return to the help menu.
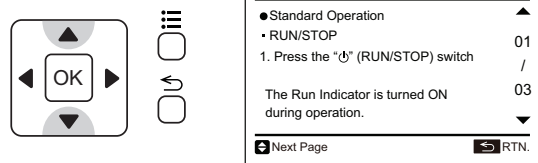
To return to the normal mode, press "↩" (return) again.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.
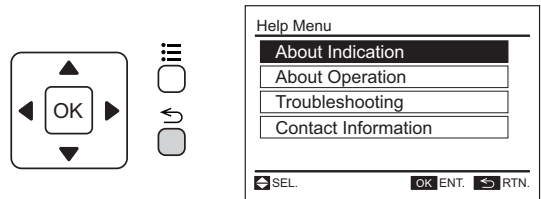
15.5 CONTACT INFORMATION

The screen will display contact information and the latest alarm code.

1 Select "Contact Information" from the help menu and press "OK". The contact information and the latest alarm code will be displayed.
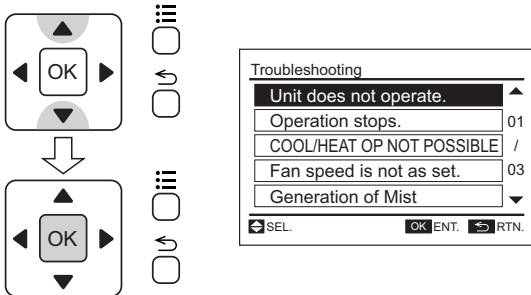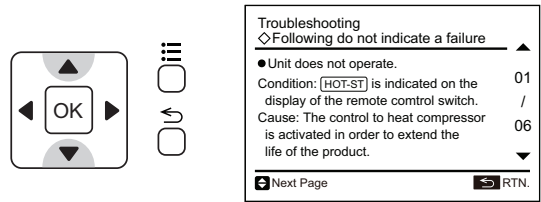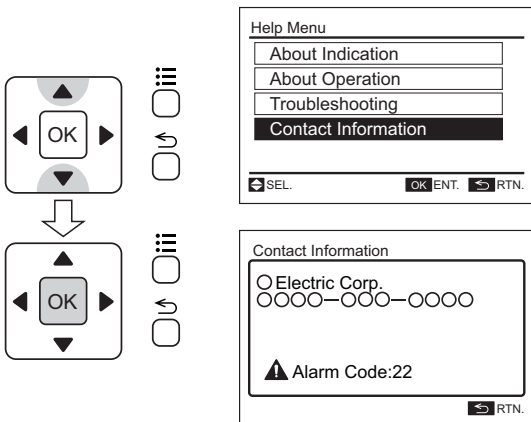
Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.

Contact Information
○ Electric Corp.
○○○○—○○○—○○○○

⚠ Alarm Code:22

RTN.

2 Press "↩" (return). The screen will return to the help menu.

To return to the normal mode, press "↩" (return) again.

Help Menu
About Indication
About Operation
Troubleshooting
Contact Information

SEL.   OK ENT.   RTN.
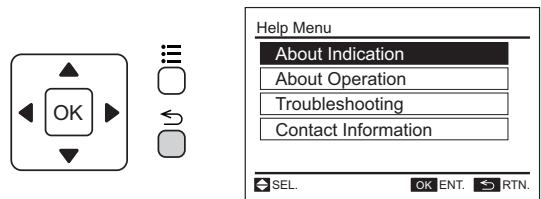
16 OTHER INDICATIONS

16.1 IN NORMAL CONDITION

16.1.1 Central control

"Central Control" is turned ON.

In case that the prohibiting operation by remote control switch is set from the central controller, operation, temperature setting, fan speed and direction setting are not available from the remote control switch.

16.1.2 Motion sensor control

"Motion sensor is activated" is turned ON during the motion sensor control. In this case, the operation is performed with saving the capacity or stopped by the motion sensor control.

16.1.3 Thermo-controller

The fan speed is changed to "LOW" at the thermo-controller actuation. However, the indication is not changed. (Only in the heating operation mode).

16.1.4 Defrost

•   Defrost Operation

    "DFR" is turned ON during the defrosting.

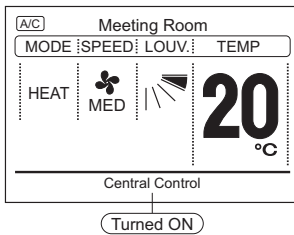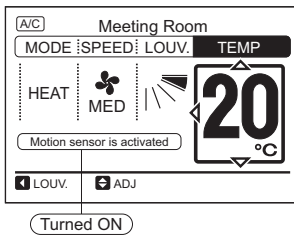   The indoor fan is stopped though the indication is not changed. The louver is fixed at the horizontal position. However, the louver indication of LCD continues to activate.
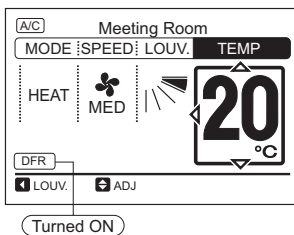
•   Operation Stoppage during Defrosting Operation

    The RUN indicator (Green) is turned OFF when the operation is stopped during the defrosting.

    However, the operation continues with "DFR" indication, and the unit is stopped after the defrost operation is finished.

16.1.5 Operation control

•   Supplying Electrical Power

    "HOT-ST" is turned ON when the electrical power is turned ON.

    In this case, the compressor is under preheating. The operation may not be available for max 4 hours. Do not turn off the outdoor unit electrical power during the high season for Cooling/Heating operation.
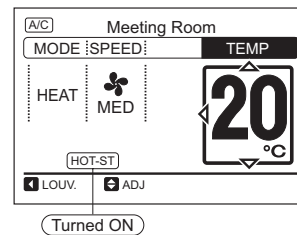
•   During Hot Start (Heating Operation Only) "HOT-ST" is turned ON.
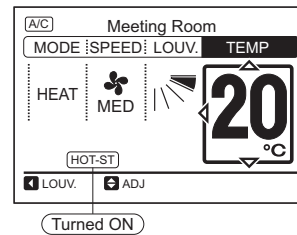
•   Different Operation Mode

    The operation mode set by the remote control switch is different with the outdoor unit operation mode.

    (Except for the heat recovery system models.)

    The indication of the actual operation mode flashes.
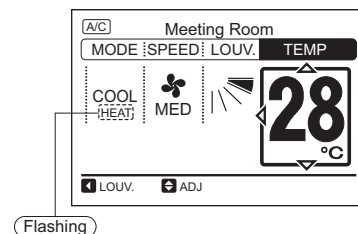
Indication when "COOL" operation is set by the remote control switch at the outdoor unit "HEAT" operation.

16.2 IN ABNORMAL CONDITION

16.2.1 Abnormality

The RUN indicator (Red) is flashing.

The indoor unit number, the alarm code, the model code, *model name (Ex. RCI-3.0FSN3) and the connected number of indoor units are displayed on LCD.

(*The unit model name is only displayed for the corresponding unit model.)

In case that the plural indoor units are connected, the above items for each indoor unit are displayed one by one.

16.2.2 Power failure

All the indications are OFF.

Once the unit is stopped by the power failure, the unit will not be started again although the power recovers. Perform the starting procedures again.

In case of instantaneous power failure within 2 seconds, the unit will be started again automatically.

16.2.3 Electric noise

There could be a case that all the indications are OFF and the unit is stopped. This is occurred by the activation of the micro computer for the unit protection from the electric noise.

Perform the starting procedures again.

16.3 ALARM CODES

| Code number	Category	Abnormality	Cause	Available for
01	Indoor unit	Activation of the safety device	Failure of fan motor, drain discharge, PCB, relay, float switch activated	All units
02	Outdoor unit	Activation of the safety device	Failure of fan motor, drain discharge, PCB, relay, float switch activated	All units
03	Transmission	Abnormal transmission between outdoor and indoor units	Incorrect wiring, failure of PCB, tripping of fuse, power supply OFF	All units
04		Abnormal transmission between inverter PCB (DIP-IPM) and outdoor unit PCB (PCB1)	Abnormal transmission between PCB	All units
04.		Abnormal transmission between fan controller and outdoor PCB	Fan controller - Outdoor PCB transmission fault (loose connector, broken cable, blown fuse)	SET-FREE FSXN
05	Power supply	Abnormal operation of picking up phase signal	Main power supply phase is reversely connected or one phase is not connected	All units
06	Voltage	Excessively low voltage or excessively high voltage for the inverter	Incorrect wiring or insufficient capacity of power supply wiring	All units
06.		Abnormal fan controller voltage	Outdoor voltage drop, insufficient power	SET-FREE FSXN
07	Cycle	Decrease in discharge gas superheat	Discharge gas superheat less than 10 degrees is maintained for 30 minutes.	All units
08		Excessively high discharge gas temperature at the top of compressor	Temperature of top compressor: Td Td > 132°C over 10 minutes, or Td >140°C over 5 minutes	All units
09	Fan motor	Activation of protection device for outdoor fan	Fan motor overheat, locking	SET-FREE FSN2
0A	Transmission	Abnormal transmission between outdoor and indoor unit	Incorrect wiring, broken cable, loose terminals	SET-FREE FSXN
0b	Outdoor unit	Incorrect outdoor unit address setting	Duplicate address setting of outdoor units (secondary units) in the same refrigerant system	SET-FREE FSXN
0C		Main unit of the outdoor unit incorrectly set	Two or more outdoor units defined as the "main unit" in the same refrigerant cycle system	SET-FREE FSXN

Code number	Category	Abnormality	Cause	Available for
11	Sensor on indoor unit	Air inlet thermistor	Failure of thermistor, sensor, connection.	All units
12		Air outlet thermistor		All units
13		Freeze protection thermistor		All units
14		Gas piping thermistor		All units
15	Econofresh	Abnormal operation of thermistor for fresh outdoor air		SET-FREE MINI
16	Sensor on indoor unit	Remote thermistor	Failure of thermistor	SET-FREE MINI
17		Thermistor of RCS	Failure of thermistor	SET-FREE MINI
19		Activation of the protection device for the indoor fan motor	Failure of fan motor	All units
20	Sensor on outdoor unit	Compressor thermistor	Failure of thermistor, sensor, connection.	RASC IVX
21		High pressure sensor	Incorrect wiring, disconnected wiring, broken cable, short circuit.	SET-FREE MINI
22		Thermistor for outdoor ambient temperature (THM7)	Failure of thermistor, sensor, connection.	All units
23		Thermistor for discharge gas temperature (THM9)	Incorrect wiring, disconnected wiring, broken cable, short circuit.	SET-FREE MINI
24		Thermistor for evaporating temperature (THM8)	Failure of thermistor, sensor, connection.	All units
25		Heat exchanger gas pipe thermistor	Incorrect wiring, disconnected wiring, broken cable, short circuit	SET-FREE FSXN
29		Low pressure sensor		SET-FREE MINI
31	System	Incorrect capacity setting or combined capacity between outdoor and indoor units	Incorrect setting of the capacity code.	All units
35		Incorrect indoor unit number setting	Duplication of indoor unit number , number of indoor units over specifications.	All units
36		Incorrect indoor unit combination	R22 indoor unit	SET-FREE MINI
38		Abnormality of picking up circuit for protection (Outdoor unit)	Failure of indoor unit PCB, incorrect wiring, connection to PCB in indoor unit.	All units
39	Compressor	Abnormal operation current in constant speed compressor	Overcurrent, blown fuse, current sensor fault, instant power failure, voltage drop, abnormal power supply	SET-FREE FSXN and FSN2
3A	Outdoor unit	Abnormal outdoor unit capacity	Outdoor unit capacity >54HP	SET-FREE FSXN
3b		Voltage or combination of outdoor unit models incorrectly set	Voltage or combination of secondary and main units incorrectly set	SET-FREE FSXN
3d		Abnormal transmission between the main unit and the secondary unit(s)	Incorrect wiring, disconnected wiring, broken cable, PCB fault	SET-FREE FSXN
41	Pressure	Cooling overload (possible activation of high pressure device)	If the outdoor unit pipe thermistor temperature is higher than 55ºC and the compressor top temperature is higher than 95ºC, outdoor unit pretection device is activated.	RASC IVX
42		Heating overload (possible activation of high pressure device)	If the indoor unit freeze protection thermistor temperature is higher than 55ºC and the compressor top temperature is higher than 95ºC, outdoor unit pretection device is activated	RASC IVX
43		Activation of the safety device from compression ratio decrease	Abnormal compress (Compressor, Inverter damage)	SET-FREE MINI
44		Activation of the safety device from excessively high suction pressure	Overload during cooling, high temperature with heating, loked expansion valve	SET-FREE MINI
45		Activation of the safety device from excessively high discharge pressure	Overload (obstruction of HEX, short circuit) mixture of inert gas	SET-FREE MINI
47		Activation of the safety device from excessively low suction pressure (protection from vacuum operation)	Shortage or leakage of refrigerant, piping clogging, expansion valve close-locked, fan motor locked.	All units

Code number	Category	Abnormality	Cause	Available for
48	Inverter	Abnormality of current sensor for inverter	Failure of DIP-IPM, heat exchanger clogged, locked compressor, EVI/EVO failure or overcharge.	All units
51		Abnormality of Current Sensor for Inverter	Failure of control PCB, inverter module.	All units
53		Protection activation of inverter module	Inverter module abnormality. Failure of compressor, clogging of heat exchanger.	All units
54		Inverter fin temperature increase	Abnormal inverter fin thermistor, clogging of heat exchanger, abnormal outdoor fan.	All units
55		Inverter Module abnormality	Failure of inverter module.	All units
56	Outdoor fan	Abnormal detection of fan motor position	Abnormal of fan motor position detection circuit, disconnected wiring	SET-FREE FSN2
57		Fan Motor abnormality	Disconnected wire of incorrect wiring between control PCB and inverter PCB. Incorrect wiring or fan motor abnormality.	SET-FREE MINI
58	Fan controller	Abnormal fan controller	Abnormal operation speed	SET-FREE FSN2
5A		Abnormal fan controller fin temperature	Fin thermistor fault, heat exchanger clogging, fan motor fault	SET-FREE FSXN
5b		Overcurrent protection activation	Fan motor fault	SET-FREE FSXN
5C		Abnormal fan controller sensor	Current sensor fault (instant overcurrent, increased fin temperature, low voltage, earthing fault, step-out)	SET-FREE FSXN
b1	Indoor unit number setting	Incorrect setting of the unit and the refrigerant cycle number.	Over 64 indoor units setting by number or indoor unit address.	All units
b5		Incorrect indoor unit connection number setting	There are more than 17 units not corresponding to H-Link II connected to one system	SET-FREE MINI
C1	CH unit	Incorrect indoor unit connection	There are 2 or more CH units connected between the outdoor and indoor units	SET-FREE FSXN
C2		Connection number of the indoor unit incorrectly set	There are 9 or more indoor units connected to the CH unit	SET-FREE FSXN
C3		Incorrect indoor unit connection	Indoor units from different refrigerant cycles have been connected to the CH unit	SET-FREE FSXN
EE	Compressor	Compressor protection	Failure of compressor.	All units