

# USER'S MANUAL

# ORIGINAL INSTRUCTIONS

## MITSUBISHI HEAVY INDUSTRIES LTD. PACKAGED AIR CONDITIONER

- Ceiling cassette –4 way– (FDT)
- Ceiling cassette –4 way Compact (600x600mm)– (FDTC)
- Duct connected –High static pressure– (FDU, FDUS)
- Duct connected –Middle static pressure– (FDUM)
- Ceiling Suspended (FDE)
- Floor Standing (FDF)

USER'S MANUAL **ENGLISH**

MANUEL DE L'UTILISATEUR **FRANÇAIS**

ANWENDERHANDBUCH **DEUTSCH**

ISTRUZIONI PER L'USO **ITALIANO**

MANUAL DEL PROPIETARIO **ESPAÑOL**

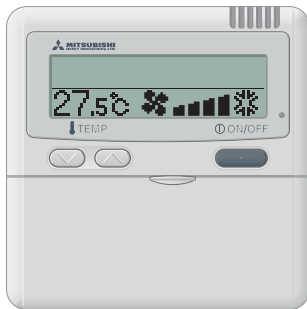
GEBRUIKERSHANDLEIDING **NEDERLANDS**

MANUAL DO UTILIZADOR **PORTUGUÊS**

ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ **ΕΛΛΗΝΙΚΑ**

РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ **РУССКИЙ**

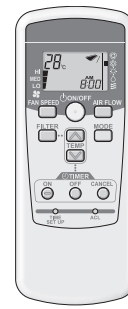
KULLANIM KILAVUZU **TÜRKÇE**



<WIRED REMOTE CONTROL>  
RC-E5



<eco touch REMOTE CONTROL>  
RC-EX series ※



<WIRELESS REMOTE CONTROL>

※ Please refer to the manual provided with eco touch REMOTE CONTROL.

※ Si vous plaît se référer à la documentation fournie avec la eco touch télécommande.

※ Bitte beachten Sie die Dokumentation, die mit der eco touch Fernbedienung kam.

※ Si prega di fare riferimento alla documentazione fornita con il eco touch telecomando.

※ Por favor, consulte la documentación que viene con el eco touch mando a distancia.

※ Raadpleeg de documentatie die bij de eco touch afstandsbediening.

※ Por favor, consulte a documentação que veio com o eco touch controle remoto.

※ Ανατρέξτε στην τεκμηρίωση που συνοδεύει το eco touch τηλεχειριστήριο.

※ Пожалуйста, обратитесь к документации, поставляемой с eco touch дистанционным управлением.

※ eco touch uzaktan kumanda ile birlikte gelen belgelere bakın.



This air conditioner complies with EMC Directive 2004/108/EC, LV Directive 2006/95/EC. CE marking is applicable to the area of 50 Hz power supply.

Ce climatiseur est conforme à la Directive EMC: 2004/108/EC, LV Directive 2006/95/EC. La marque CE s'applique aux régions alimentées en courant de 50 Hz.

Dieses Klimagerät erfüllt die EMC Direktiven 2004/108/EC, LV Direktiven 2006/95/EC. Die CE-Markierung gilt für Bereiche mit einer Netzstromversorgung von 50 Hz.

Questo condizionatore d'aria è conforme alla Direttiva EMC: 2004/108/EC, LV Direttiva 2006/95/EC. Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

Este acondicionador de aire cumple con la directiva EMC: 2004/108/EC, LV Directiva 2006/95/EC. La indicación CE sólo corresponde al área de suministro eléctrico de 50 Hz.

Deze airconditioner voldoet aan EMC Directive 2004/108/EC, LV Directive 2006/95/EC. CE-markering is van toepassing op het gebied met een netstroom van 50 Hz.

Este aparelho de ar condicionado está em conformidade com a Directiva EMC 2004/108/EC, a Directiva LV 2006/95/EC. A marca CE aplica-se à zona de fornecimento de energia a 50 Hz.

Το κλιματιστικό συμμορφώνεται προς την οδηγία 2004/108/ΕΚ περί ηλεκτρομαγνητικής συμβατότητας (EMC) και την οδηγία LV 2006/95/ΕΚ. Το όχημα CE ισχύει μόνον σε περιοχές όπου η τροφοδοσία είναι 50 Hz.

PSA012B790

Thank you very much for your purchase of this packaged air conditioning system produced by Mitsubishi Heavy Industries. Please read through this manual before using the product and use the product appropriately according to the instructions in the manual. After you have read the manual, store it with the warranty certificate in a safe place. It will help you when you have questions or problems.

Do not vent R410A into the atmosphere: R410A is a fluorinated greenhouse gas specified in the Kyoto Protocol and its Global Warming Potential (GWP) is 1975.

The emission sound pressure level from each Indoor and Outdoor unit is under 70 dB(A).

■ SAFETY PRECAUTIONS.....	1
■ HOW TO USE	
< WIRED REMOTE CONTROL >	
NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS	
“WIRED REMOTE CONTROL”.....	4
HOW TO OPERATE.....	5
HOW TO PERFORM THE TIMER OPERATION.....	5
THE SELECTION OF TIMER MODE.....	5
SETTING THE TIME.....	6
SLEEP TIMER MODE.....	6
OFF TIMER MODE.....	6
ON TIMER MODE.....	7
WEEKLY TIMER MODE.....	7
TIMER CANCELLATION MODE.....	10
HOW TO OPERATE IN SILENT MODE.....	10
HOW TO ADJUST THE LOUVER.....	11
HOW TO SET THE AIRFLOW DIRECTION.....	11
HOW TO OPERATE VENTILATION.....	12
FOR COMFORTABLE USE.....	12
INSPECTION DISPLAY, FILTER SIGN, AIR CONDITIONER NUMBER, STANDBY AND ROOM TEMPERATURE DISPLAY.....	13
< WIRELESS REMOTE CONTROL >	
NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS	
WIRELESS REMOTE CONTROL.....	13
HOW TO OPERATE.....	14
CURRENT TIME SETTING PROCEDURE.....	14
ON – TIMER OPERATION.....	14
OFF – TIMER OPERATION.....	14
PROGRAM TIMER OPERATION.....	14
HOW TO ADJUST THE LOUVER.....	15
FOR COMFORTABLE USE.....	15
CHECK INDICATION, FILTER SIGN.....	15
BACKUP BUTTON.....	16
■ FOR SMART USE	
HOW TO MAINTAIN.....	16
■ TROUBLE SHOOTING.....	17
■ NOTICE	
PREPARATION OF HEATING.....	18
AUTO RESTART.....	18
SETTING TO DISABLE BUTTON OPERATION.....	18
INSTALLATION, RELOCATION, AND INSPECTION MAINTENANCE.....	18
OPERATION RANGE.....	18
MAINTENANCE AND INSPECTION GUIDELINE OF MAIN PARTS OF PACKAGED AIR CONDITIONER.....	19

## SAFETY PRECAUTIONS

■ Please read these “SAFETY PRECAUTIONS” before starting to use this product and use the product appropriately according to the instructions.

■ The precautions provided here are classified into “⚠ DANGER” and “⚠ CAUTION”. The “⚠ DANGER” sections describe potentially hazardous situations that may lead to serious outcomes such as death and serious injuries if the product is mishandled. Note, however, that depending on the situation, the items listed in the “⚠ CAUTION” sections do also have the potential of causing serious outcomes. Both warnings and cautions provide you important information related to safety ; please make sure to observe them.

■ The symbols used throughout the main text of this manual have the following meaning.

⚠ ⚠ marks mean danger, alarm, and caution. The specified prohibited item is described in the triangle. The left mark means “Shock hazard

alarm”.

⊘ marks mean prohibited items. The specified prohibited item is described in the circle or in the vicinage.

⚡ marks mean compulsory action or instruction. The specified prohibited item is described in the circle. The left mark means “Earth is needed”.

■ After you have read the manual, always store it where other users can refer to at any time. If a new owner takes over the system, make sure to pass this manual.

## INSTALLATION PRECAUTIONS

### ⚠ DANGER

Make sure to have the installation done by your dealer or a specialist.

If you install by yourself and the unit is not properly installed, water leakage, electric shock, fire and injuries caused by the drop of the unit may occur.

**The preventive measures that the density of leaked refrigerant does not exceed the limit is necessary in case of installing the unit in a small room.** !

The leakage of refrigerant may cause oxygen deficiency accident. Consult your dealer for the measures.

**⚠ CAUTION**

**Make sure to perform grounding work.** !

Do not connect grounding wire to any gas pipe, water pipe, conductor rods or telephones. Incomplete grounding may cause electric shock through leakage of electricity.

**Make sure to mount a leakage breaker.** !

Otherwise electric shock may occur. Please consult your dealer or a specialist for the mounting.

**Do not mount where flammable gas leakage can happen.** !

If leaked gas stagnates in the unit, the gas may cause fire.

**Make sure to layout the drain pipe so that the water is completely drained.** !

Otherwise, water may leak and wet household goods.

**OPERATION PRECAUTIONS**

**⚠ DANGER**

**This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.** !

**Children shall not play with the appliance.** !

**Cleaning and user maintenance shall not be made by children without supervision.** !

**Do not expose yourself directly to cooled air flow for a long time or cool too much.** !

It may be cause of deconditioning or health disorder.

**Do not insert fingers or sticks into the air inlet or outlet grilles.** !

It may cause injuries because of the fan rotating at high speed.

**If the unit has been submerged under water due to a natural disaster such as flood or typhoon, consult your dealer before using it again.** !

If you use it as it stands, it may lead to failure, electric shock or fire.

**If any abnormal symptom (scorched flavor etc.) is found, cut off the power and stop the operation. Then consult your dealer.** !

If you use it as it stands, it may lead to failure, electric shock or fire.

**One of the causes of poor cooling or poor heating may be refrigerant leakage. Please consult your dealer.** !

If the repair requires additional refrigerant, determine the service with the service staff. The refrigerant of air conditioner is not toxic. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals.

**Do not insert fingers or sticks even if air blower does not operate.** !

It may suddenly operate and cause injuries.

**⚠ CAUTION**

**Do not use for particular purpose such as the storage of food, animals and plants, precision apparatus and arts etc.** !

Storage goods may degrade.

**Do not operate the button with wet hand.** !

It may cause electric shock.

**When a burning appliance is used together with the unit, ventilate frequently.** !

If ventilation is not sufficient, it may cause oxygen deficiency accident.

**Do not place a burning appliance where the airflow from the unit is directly blown.** !

It may cause the imperfect combustion of the equipment.

**Make sure that the unit installation foundation is not damaged due to long-term use.** !

If it is left to stand, the unit may fall down causing injury.

**Do not wash the unit with water, nor place a vase with water on the unit.** !

It may cause electric shock or ignition.

**Do not install the unit where the airflow is directly blown to animals and plants.**

They may suffer from adverse effect.

**Before cleaning, make sure to stop operation and cut off the power.**

The fan inside rotates at high speeds.

**Make sure to use proper size of fuse.**

Using steel wire or copper wire may lead to failure or fire.

**Do not store a flammable spray etc. near the unit, nor blow directly to the unit.**

It may lead to fire.

**Before maintenance, make sure to stop operation and cut off the power.**

The fan inside rotates at high speeds.

**When the unit isn't used for a long-term, cut off the power.**

The accumulation of dirt may lead to heat generation or fire. But, before resuming the operation, turn on the unit for six hours beforehand to save harmless.

**Do not place any other electric appliances or household goods below or around the air conditioner.**

Dripping from the unit may lead to failure or contamination.

**Do not touch the aluminum fin.**

Otherwise it may lead to injuries.

**Do not clean the inside of the indoor unit by yourself. Make sure to consult your dealer or user inquiry counter specified by our company.**

If you select incorrect detergent or improper method, resin parts may be damaged and lead to water leakage. If the detergent is dropped on the electric component or motor, it may lead to failure, smoking or ignition.

**Do not place objects on the outdoor unit, nor mount on it.**

It may lead to injuries resulting from dropping or falling.

**During the operation or maintenance, do not use an unstable footrest.**

It may lead to injuries resulting from falling.

**Be careful so that the dust does not get into your eyes when removing the air filter.**

**Do not operate the air conditioner while the air filter is removed.**

Piled up dust may lead to malfunction.

**During thunderstorm, stop the operation and turn off the switch.**

A lightning strike may lead to failure.

**After several seasons of operating, inspections and maintenances are required except routine care and cleaning.**

Accumulated dirt or dust inside the indoor unit may cause odor, water leakage through the clogging of water discharging pipe for dehumidification. Specialized information and skills are required for inspections and maintenances. Therefore contact your dealer.

**Do not place any object around the outdoor unit, nor allow fallen leaves to pile up.**

Fallen leaves may induce insects and worms in them, and they may lead to failure, ignition or smoking by touching electric components.

**Do not use with inlet/outlet grilles or other panel removed.**

Otherwise, it may lead to injuries.

**Do not operate or stop the unit by using the power supply switch.**

It may lead to fire or water leakage.

If auto restart is set effectively, the fan may rotate suddenly causing injuries.

**Do not touch blowout port when the swing louver moves.**

Otherwise, it may lead to injuries.

**Do not strain the remote control cord.**

A part of core wire may be cut off causing electric leakage.

**Do not use water heater etc. near the indoor unit or remote control.**

If a Vapor-generating appliance is used near them, it may lead to water drop causing electric leakage or short circuit.

**Do not use the unit where powder or fiber is floating.**

Fine powder or fiber passing through the air filter may stagnate inside the unit and lead to electric leak or short circuit.

**Do not place objects under the unit which must avoid being exposed to water.**

Over 80 percent humidity or the clogging of drain pipe may damage them through dew dropping.

## PRECAUTIONS FOR RELOCATION OR REPAIRING

### CAUTION

**Never perform any modification. Contact your dealer for repairing.**

Improper repairing may lead to water leakage, electric shock or fire. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals. When repairing refrigerant leakage, determine the service with the service staff that the repair has been finished without fault.

**If it is required to relocation and reinstall the unit, consult your dealer or a specialist.**

Improper installation of air conditioning unit may cause water leakage, electric shock and/or fire.

**Before repairing or checking indoor unit, be sure to turn off "Indoor unit power supply breaker".**

It can result in electric shock or injury due to rotation of indoor unit fan if you perform check or repair with the "Indoor unit power supply breaker" turned on.

**Place the panels removed for repairing or checking on the stable spot.**

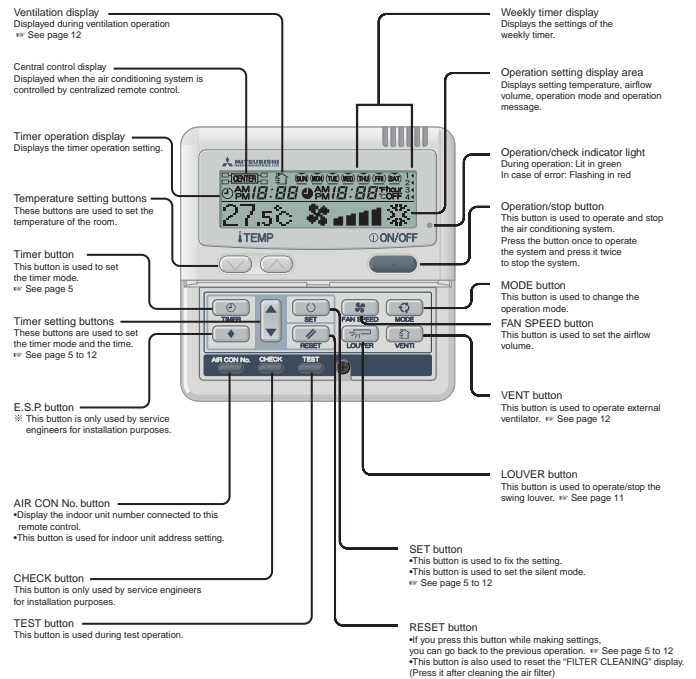
Otherwise, dropping or falling may lead to injury.

## HOW TO USE < WIRED REMOTE CONTROL >

### NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS (WIRED REMOTE CONTROL)

#### Wired remote control

The figure below shows the remote control with the cover opened. Note that the items in the liquid crystal display (LCD) area are shown for explanation purpose.  
Pull the cover downwards to open.



## PRECAUTIONS FOR WASTE DISPOSAL

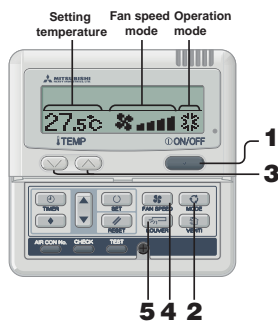


Your Air Conditioning product may be marked with this symbol. It means that waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) should not be mixed with general household waste. Air conditioners should be treated at an authorized treatment facility for re-use, recycling and recovery and not be disposed of in the municipal waste stream. Please contact the installer or local authority for more information.

## HOW TO OPERATE

### < WIRED REMOTE CONTROL >

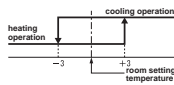
**ATTENTION** In order to protect both indoor/outdoor air conditioners, keep the power supply on for six hours before initial operation. (The crank case heater is energized in order to heat up the compressor.) Do not turn off the power supply. (Power is distributed to the crankcase heater, even if the compressor is stopped. This keeps the compressor warm, and prevents failures caused by accumulation of liquid refrigerant.)



**1 Press ON/OFF button.**  
The unit starts operating.

**2 Press MODE button.**  
The range of operation mode is displayed according to the model of indoor unit.  
Every time the button is pressed, the display changes in the following order: dry → cool → fan → heat → auto.  
(EXAMPLE display for auto-operation enabled)

- With auto operation, heating and cooling is automatically changed depending on difference between the setting temperature and sucking room air temperature.



**3 Press TEMP button.**  
Press  $\uparrow$  or  $\downarrow$  button to set the room temperature.

**4 Press FAN SPEED button.**  
The range of fan speed modes is displayed according to the model of indoor unit.  
At 4-speed.....  
At 3-speed.....  
At 2-speed.....  
At 1-speed.....The operation is invalid

**at 4-speed**  
The unit operates with the maximum fan speed.

**5 Press LOUVER button.**  
If the indoor unit is equipped with the auto swing function, press the LOUVER button once and current louver status is displayed.  
If the indoor unit is not equipped with the auto swing function, the message INVALID OPER is displayed.

- For the louver operation** See page 11 to 12
  - Press LOUVER button, and change the display to [SWING]
- For the louver stopping** See page 11 to 12
  - Press once while the louver is operating to display stop positions in order.
  - Press the button once more at the preferred stop position to stop the louver at that position.

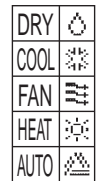
Effective stop position See page 11 to 12  
For automatic operation.....middle  
For cooling/dehumidifying operation.....Horizontal  
For heating operation.....downwards

**Stop Press ON/OFF button**

#### NOTICE

- There may be a case that INVALID OPER is displayed when any button mentioned in the above is pressed, but it is not a malfunction. In that case, the operation of the button is prohibited.
- When you start to operate the unit for the first time after turning the power supply on, the default settings are listed below. You can change them as you like.
  - Central control.....Turned off
  - Operation changeover.....With auto mode : auto cooling  
Without auto mode : cooling
  - Set temperature.....23°C
  - Fan speed.....
  - Louver position.....Horizontal

#### Operation mode



#### Guideline for room temperature setting

- COOL.....26 to 28°C
- DRY.....21 to 24°C
- HEAT.....22 to 24°C
- FAN.....Setting unnecessary

The settings of operation change, temperature and air flow volume adjustment can be changed even when the air conditioner is stopped. When a button is pressed while the operation is stopped, the corresponding display is turned on and you can change the setting. The display lights for three seconds after changing the setting, and then turns off automatically.

## HOW TO PERFORM THE TIMER OPERATION

### < WIRED REMOTE CONTROL >

#### THE SELECTION OF TIMER MODE



**1 Press TIMER button.**  
The mode changes to timer mode.  
Current day of the week and current time are displayed.  
[EXAMPLE] Sunday : 1 o'clock in the afternoon

Display area : [ SUN MON TUE WED THU FRI SAT ]  
[ PM 1:00 ]  
[ CLOCK SET ] (lights)

**2 Press  $\uparrow$  or  $\downarrow$  button.**  
By pressing  $\uparrow$  or  $\downarrow$  button, it is possible to choose the item to set.

- CLOCK SET (set to current time)
- SLEEP TIMER (Every operation stops after a certain period of time has elapsed.)
- OFF TIMER (The unit stops operating at the setting time.)
- ON TIMER (The unit starts operating at the setting time.)
- WEEKLY TIMER (Timer set for each day of the week)
- TIMER CANCEL (Cancel the timer setting)

If you press the RESET button, timer mode ends and return to original status.

**3 Press SET button.**  
The selected timer mode is set.

For setting of each timer mode, see the following pages.  
The possible combination of the timer function is mentioned in the following table.

#### Combination of modes that can be set together

	Sleep timer	OFF timer	ON timer	Weekly timer
Sleep timer		x	o	x
OFF timer	x		o	x
ON timer	o	o		x
Weekly timer	x	x	x	

If you select a combination of modes that cannot be set together and press the SET button, the message INVALID OPER (invalid operation) is displayed for 3 seconds and then the display returns to the one selected in step 2.

#### Functions of each timer operation

- Sleep timer**  
When the specified period of time elapses, operation stops.  
10 settings are available, from 1 hour later OFF to 10 hours later OFF.  
The unit will stop when the setting time is reached.
- OFF timer**  
The unit stops operating at the setting time.  
It will operate one time per setting.
- ON timer**  
The unit starts to operate at the setting time. The temperature can be set together. It will operate one time per setting.
- Weekly timer**  
You can set up to four ON/OFF timers per day.  
Once Weekly timer is set, it repeats every week.

#### NOTICE

- If you press ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not completed is canceled.
- If you have set the ON timer mode and either the OFF timer or Sleep timer mode at the same time, the OFF timer (or Sleep timer) precedes the ON timer.
- If you press the Timer button and INVALID OPER is displayed, the button can not be operated because the button operation is disabled. If you want to make the button effective, consult your dealer.
- If you do not press any button for several minutes after pressing the Timer button, Timer mode ends and the display returns to the original one.
- When the weekly timer setting recovers from power failures, the setting data (four settings per day) remain stored, but holiday settings will automatically override the settings for each day.

## HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

### SETTING THE TIME

Timer operation is performed based on the time of the clock which is set by the following steps. Make sure to set the time to the current time correctly.



1 3 2  
• •  
5 4  
• 6

#### 1 Press [TIMER] button.

The mode changes to timer mode.

Current day of the week and current time are displayed.

Display area : [ SUN MON TUE WED THU FRI SAT ]  
[ PM 1:00 ]  
[ CLOCK SET ]

#### 2 Press [SET] button.

The display area shows : [ SUN MON TUE WED THU FRI SAT ]

[ PM 1:00 ] (current time)  
[ SET DAY ]

#### 3 Press [▲] or [▼] button.

Place the "▼" mark above the day of the week to the current day.

Press [▲] and [▼] mark to move to the right and the left respectively.

If you press the [RESET] button, the remote control will return to the previous screen and display [CLOCK SET].

#### 4 Press [SET] button.

The day of the week is fixed, and the flashing of [▼] mark stops and lights.

The current time value flashes, and [SET TIMER] is displayed.

[ SUN MON TUE WED THU FRI SAT ]  
[ PM 1:00 ]  
[ SET TIMER ]

#### 5 Press [▲] or [▼] button.

Set to the current time.

If you press the [RESET] button, the display is returned to the one in step 1.

#### 6 Press [SET] button.

The flashing for time display stops and lights, and [CLOCK SET OK] is displayed to show that the current time is set.

Two seconds later, the display in step 1 returns, and [CLOCK SET] is displayed.

#### 7 Press [ON/OFF] button.

The timer mode is finished.

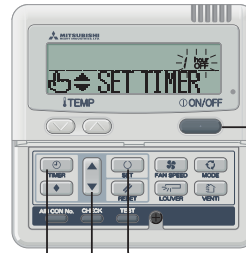
#### NOTICE

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

### SLEEP TIMER MODE

After a certain period of time has elapsed, operation stops.

- Sleep timer
- The unit stops after the set time elapses.



1 2 4 3 5

#### NOTICE

¥ If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

### OFF TIMER MODE

The unit stops operating at the setting time. This setting is effective for only once.



1 2 4 3 5

#### ATTENTION

Once the OFF timer is set, it is not possible to start operation. If you would like to operate the air conditioner, press ON/OFF button before hand to turn on.

#### NOTICE

¥ If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

#### 1 Press [TIMER] button.

[CLOCK SET] → [SLEEP TIMER]

#### 2 Press [▼] button once.

[EXAMPLE] [ OFF ] flashes.

[SET TIMER] lights.

#### 3 Press [SET] button.

[EXAMPLE] [ OFF ] flashes.

[SET TIMER] lights.

#### 4 Press [▲] or [▼] button.

The display changes as below. Set as you like.

[ OFF ] → [ 0 2 ] → [ 0 9 ] → [ 0 10 ]

[SET TIMER] lights.

#### 5 Press [SET] button.

Sleep timer has been set.

The air conditioner will turn on if a sleep timer is set while it is turned off.

After [TIMER SET OK] is displayed in the display area, the display in step 2 returns.

<When 01en hours later OFF is set >

[ OFF ] lights (lights for two seconds)

[TIMER SET OK] lights

[SLEEP TIMER] lights

The remaining time is displayed, and changes in an hourly basis.

When the setting time elapses, the unit stops operating. Every operation stops after a certain period of time has elapsed.

#### 6 Press [ON/OFF] button.

The timer mode is finished.

#### 1 Press [TIMER] button.

[CLOCK SET] → [SLEEP TIMER] → [OFF TIMER]

#### 2 Press [▼] button twice.

[EXAMPLE] [ OFF ] flashes.

[SET TIMER] lights.

#### 3 Press [SET] button.

[EXAMPLE] [ OFF ] flashes.

[SET TIMER] lights.

#### 4 Press [▲] or [▼] button.

Set the time at which you want to stop the operation.

- Set "Hour"
- If you press [▲] or [▼] button for a while, [OFF] display is changed by one hour, and stops when you stop pressing.
- Set "Minute"
- If you press [▲] or [▼] button, the number in the display becomes larger or smaller by ten minutes.

#### 5 Press [SET] button.

OFF timer has been set.

After [TIMER SET OK] is displayed in the display area, the display in step 2 returns.

<If set to 6:00 PM >

[ OFF ] → [ 6 : 00 ] lights

[TIMER SET OK] lights for two seconds

[ OFF ] lights

[OFF TIMER] lights

The unit stops operating at 6:00 PM.

The time display is also turned off.

#### 6 Press [ON/OFF] button.

The timer mode is finished.



## HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

### ON TIMER MODE

The unit starts to operate at the set time. It is possible to set temperature at which you want to start the operation. Only one setting is applicable to each operation.



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9



- 1 Press **1** TIMER button.
- 2 Press **2** button for three times.  
 (CLOCK SET) → (SLEEP TIMER) → (OFF TIMER) → (ON TIMER)
- 3 Press **3** SET button.  
 [EXAMPLE] (AM 9:00) flashes.  
 (SET TIMER) lights.
- 4 Press **4** or **5** button.  
 Set the preferred time to start the operation
  - Set "Hour"  
 If you press **4** or **5** button for a while, Hour is displayed is changed by one hour, and stops when you stop pressing.
  - Set "Minute"  
 If you press **4** or **5** button, the number in the display becomes larger or smaller by ten minutes.

- 5 Press **6** SET button.  
 ON timer has been set.  
 The left image is displayed in the display area.  
 <If set to 10:00 AM >  
 (AM 10:00) lights  
 (TEMP SET ON) lights  
 If you press the **7** RESET button, the remote control will return to the previous screen.

- 6 Press **8** or **9** button.  
 Press **8** button and (TEMP SET OFF) is displayed  
 Press **9** button and (TEMP SET ON) is displayed  
 Select either of the above two.
  - Go to step 7 if temperature is set.
  - Go to step 9 if temperature is not set.

- 7 Press **6** SET button.  
 The left image is displayed in the display area.  
 <If set to 10:00 AM >  
 (AM 10:00) lights  
 (7) (C) The current set temperature is displayed (flashing)  
 (VA) SET UP lights

- 8 Press **4** or **5** button to set temperature.  
 If you press **4** or **5** button, the number in the display becomes larger or smaller by 1°C.  
 Set temperature at which you want to start the operation.  
 If you press the **7** RESET button, the remote control will return to the previous screen.

- 9 Press **6** SET button.  
 ON timer is set, and after (TIMER SET OK) is displayed, the display in step 2 returns.  
 <If set to 10:00 AM >  
 (AM 10:00) 27.0 lights  
 (TIMER SET OK) lights  
 (AM 10:00) 27.0 lights  
 (ON TIMER) lights  
 Set temperature is displayed only in case it is set.  
 The unit starts to operate at setting time with set temperature.  
 The time display is turned off.

- 10 Press **1** ON/OFF button.  
 The timer mode is finished.

#### NOTICE

• If you press the **1** ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

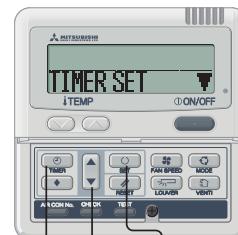
• ON timer and either Sleep timer or OFF timer are set together, the temperature of ON timer is not displayed.

• ON timer and either Sleep timer or OFF timer are set together, OFF timer (or Sleep timer) precedes.

### WEEKLY TIMER MODE

#### Selection of Weekly timer mode

You can set up to four ON/OFF timers per day.  
 Note : Set time every month in Weekly timer mode.



- 1
- 2
- 4
- 3-5

#### NOTICE

- If you press the **1** ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

#### WEEKLY TIMER SETTING



- 2
- 4
- 6
- 8
- 10
- 3
- 5
- 7
- 9
- 11
- 13

<In case Monday is set>



[EXAMPLE]

Number 1 : (AM 9:00)

Number 2 : (PM 0:00)

Number 3 : (PM 1:00)

Number 4 : (PM 5:00)

\* Four operations can be set with only ON timer or only OFF timer.

- 1 Press **1** TIMER button.
- 2 Press **2** button for four times.  
 (CLOCK SET) → (SLEEP TIMER) → (OFF TIMER) → (ON TIMER) → (WEEKLY TIMER)
- 3 Press **3** SET button.  
 (TIMER SET) is displayed in the display area.
- 4 Press **4** or **5** button.  
 By pressing **4** or **5** button, it is possible to choose the item to set.  
 (TIMER SET) (for setting the timer)  
 (HOLIDAY SET) (for setting the selected day of the week to holiday)  
 (CHECK/CANCEL) (for checking the timer setting and canceling individual settings)
- 5 Press **6** SET button.  
 The selected mode is fixed.

- 1 In the Weekly timer mode, select "TIMER SET" and press SET button to confirm.  
 See step 1 to 5 in "Selection of Weekly timer mode" above
- 2 Press **4** or **5** button.  
 The mark above the day of the week to be set for timer setting. Press **4** and **5** to move to the right and left respectively. **4** and **5** will move flashing.  
 If you press the **4** button, the day (SUN) is indicated with the flashing mark. Press the **4** button when the mark is indicating multiple marks will appear and flash above (MON) (TUE) (WED) (THU) (FRI) (SAT) (SUN). Press the **4** button again, and multiple marks will appear and flash above (MON) (SAT) (every day). The same schedule can be applied to all the days indicated with the marks by using this function.  
 Press **7** RESET button to return to selecting Weekly timer mode screen and (TIMER SET) is displayed.  
 See the above step 3.
- 3 Press **6** SET button.  
 The mark above the day stops flashing and lights, which indicates that the setting is fixed.  
 (SELECT No.) is displayed as the left image.
- 4 Press **4** or **5** button.  
 Up to four schedules can be set for each day. Select the timer schedule number you want to set. Set either ON timer or OFF timer for each single operation. (See the left EXAMPLE).  
 Press **2** button to make the mark next to the number flash and move downwards.  
 Press the **4** button to move the mark upwards.  
 1  
 2  
 3  
 4  
 Press the **7** RESET button to return to the display in step 1.



## HOW TO PERFORM THE TIMER OPERATION

## < WIRED REMOTE CONTROL >



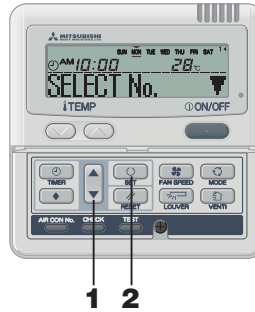
<When OFF TIMER is selected>



- 5 Press **SET** button.  
 ◀ mark next to a number lights.  
 ON TIMER ▼Or OFF TIMER ▲◊s displayed.  
 The settings so far are effective and the display changes as shown on the left.
- 6 Press **▲** or **▼** button.  
 Press ▼ button and OFF TIMER ▲ is displayed.  
 Press ▲ button and ON TIMER ▼ is displayed.  
 Select either of the above two.  
 Press the **RESET** button to return to the display in step 3.
- 7 Press **SET** button.  
 ◊SET TIMER ◊s displayed
- 8 Press **▲** or **▼** button.  
 Set the time.  
 Press the **RESET** button to return to the display in step 5.
- 9 Press **SET** button.  
 When time display lights, the time is fixed.  
 In case of OFF timer setting, setting process is completed on this step.  
 A ◊mark lights (MON → MON) under the day of the week which you set and the display appears as the left image.  
 Proceed to Next setting and Exiting Weekly timer Mode on the right page.  
 In case of ON timer setting, "TEMP SET ON ▼" is displayed, proceed to step 10.
- 10 Press **▲** or **▼** button.  
 Select either ◊TEMP SET ON ▼Or ◊TEMP SET OFF ▲◊
- 11 Press **SET** button.  
 In case "TEMP SET OFF ▲" has been selected, ON timer setting process is completed.  
 A ◊mark lights (MON → MON) under the day of the week which you set and the display appears as the left image.  
 Proceed to Next setting and Exiting Weekly timer Mode on the right page.  
 In case "TEMP SET ON ▼" has been selected, "TEMP SET UP ▼" is displayed, Proceed to step 12.
- 12 Press the temperature setting buttons **▲** or **▼**.  
 Press the **▲** or the **▼** button to increase or decrease by 1°C.  
 Set the temperature at the start of operation.  
 Press the **RESET** button to return to the display ◊TEMP SET ON ▼◊
- 13 Press **SET** button.  
 ON timer setting with start-up temperature has been completed.  
 The value of the temperature stops flashing and lights.  
 A ◊mark lights (MON → MON) under the day of the week which you set and the display appears as the left image.  
 Proceed to Next setting and exiting Weekly timer mode on the right page.

## Next setting and exiting Weekly timer mode

After "◊SELECT No. ▼" is displayed.



- 1 Press **▲** or **▼** button.  
 By pressing ▲ or ▼ button, it is possible to choose the item to set.  
 SELECT No. ▼Q(select the next timer operation number within the same day)  
 DAY SET ◊(select the next day)  
 END ▲Q(timer mode ends)
- 2 Press **SET** button.  
 If SELECT No. ▼Qs selected, ◊SELECT No. ◊s displayed. Repeat step 3 and the subsequent steps of Weekly timer setting on page 7.  
 If DAY SET ◊s selected, ◊SET DAY ◊s displayed. Repeat step 1 and the subsequent steps of Weekly timer setting on page 7.  
 If END ▲Qs selected, timer mode ends.

## NOTICE

- If you press **ON/OFF** button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
- If you select a day of the week for which setting have already been made, all the timer numbers that have been set are displayed. And the details of the timer setting for the number which has ◊ mark is displayed. You can modify the selected setting by overwriting it.
- If you set ON timer and OFF timer operating at the same time, OFF timer will precede.
- If the same two times are set for ON timer on the same day, the lower number precedes.

## Display after Weekly timer modes setting

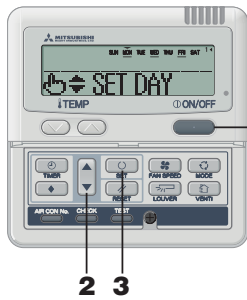
- The day of the week set is underlined.
- The ▼ mark is displayed above the current day of the week.
- The display of all the timer operation numbers set for the current day is turned on. The ◊ mark indicates the next setting number to be activated, and the set time is displayed.
- The timer operations are executed in order, and the number and time display are turned off when all the timer operations for the current day are completed.

## HOW TO PERFORM THE TIMER OPERATION

## < WIRED REMOTE CONTROL >

### Weekly timer Holiday Setting

It is possible to temporarily disable each day's timer setting by using the Holiday Setting. When the Holiday Setting is cancelled, the timer setting is enabled again.



- 1 In the Weekly timer mode, select and set "HOLIDAY SET".

See "Selection of Weekly timer mode" step 1 to 5 on page 7.

"SUN MON TUE WED THU FRI SAT" is displayed in the display area (▼ is flashing).

"SET DAY" is displayed.

- 2 Press ▲ or ▼ button. Move the "▼" mark displayed above the days of week to the day which you want to set as Holiday.

Press ▲ and ▼ to move to the right and left respectively. If you press the ▲ button, the day ("SUN" to "SAT") indicated with the flashing "▼" mark will change one day at a time. If you press the ▼ button when the "▼" mark is indicating "SAT", multiple "▼" marks will appear and flash above "MON" to "FRI". Press the ▲ button again, and multiple "▼" marks will appear and flash above "SUN" to "SAT" (every day). The same schedule can be applied to all the days indicated with the "▼" marks by using this function. This can be used in case you would like to apply Holiday setting to these days.

In case press the [RESET] button, the remote control will return to the previous screen and display "HOLIDAY SET".

- 3 Press [SET] button.

The "▼" mark above the day stops flashing and lights, and the day set as a holiday also lights enclosed with (). Then, the following is displayed.

[SUN (MON TUE WED THU FRI SAT)] (lights)  
"HOLIDAY SET OK" (lights for two seconds)

[SUN (MON TUE WED THU FRI SAT)] (lights)  
"SET DAY" (lights)

After the holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 2 and 3 to continue setting further holidays.

**NOTICE**  
If you set a day of the week for which no timer operation is set, "NO SETTING" is displayed for two seconds and the display returns to the one shown in step 1.

- 4 Press [ON/OFF] button. Timer mode ends.

### Canceling Holiday Setting

- 1 In the Weekly timer mode, select and set "HOLIDAY SET".

See "Selection of Weekly timer mode" step 1 to 5 on page 7.

- 2 Press ▲ or ▼ button. Move the "▼" mark displayed above the day of week to the day on which you want to cancel Holiday setting.

Select the day of the week that has been set as holiday.

- 3 Press [SET] button.

( ) display is turned off and the following is displayed.

[SUN MON TUE WED THU FRI SAT] (lights)  
"HOLIDAY CANCEL" (lights for two seconds)

[SUN MON TUE WED THU FRI SAT] (lights)  
"SET DAY" (lights)

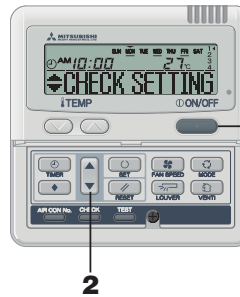
After the holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 2 and 3 to continue canceling further holiday settings.

- 4 Press [ON/OFF] button. Timer mode ends.

#### NOTICE

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

### Weekly timer Checking



- 1 In the Weekly timer mode, select and set "CHECK/CANCEL".

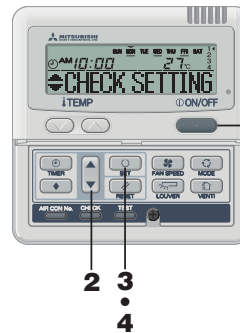
See "Selection of Weekly timer mode" step 1 to 5 on page 7. The display shows the detailed timer operation setting information of the smallest timer operation number on the day of the week as shown on the left. (But if not set, "NO SETTING" is displayed.)

- 2 Press ▲ or ▼ button. Detailed timer operation settings are displayed in accordance with the timer operation you have selected. Press ▼ button to display from Sunday and the lowest timer operation number. Press ▲ button to display the settings in the reverse order.

- 3 Press [ON/OFF] button. Timer mode ends.

### Weekly timer mode Setting Canceling

It is possible to cancel Weekly timer mode settings of each day of the week, as well as individual timer operation number. See "Timer Operation Cancellation Mode" on page 10 to cancel settings of all days of week.



- 1 In the Weekly timer mode, select and set "CHECK/CANCEL".

See "Selection of Weekly timer mode" step 1 to 5 on page 7. The display shows the detailed timer operation setting information of the smallest timer operation number on the day of the week as shown on the left.

- 2 Press ▲ or ▼ button. Detailed timer operation settings are displayed in accordance with the timer operation you have selected. Press ▼ button to display from Sunday and the lowest timer operation number. Press ▲ button to display the settings in the reverse order. Select the timer operation number on a day of the week you want to cancel.

If you press the [RESET] button, the remote control will return to the previous screen, and display "CHECK/CANCEL".

- 3 Press [SET] button. "CANCEL?" is displayed.

If you press the [RESET] button, the remote control will return to the previous screen, and display "CHECK SETTING".

- 4 Press [SET] button. "CANCELLED" is displayed, and the displayed detail timer operation setting disappears and is canceled. "CHECK SETTING" is displayed again. Repeat step 2 to 4 to continue canceling other settings.

- 5 Press [ON/OFF] button. Timer mode ends.

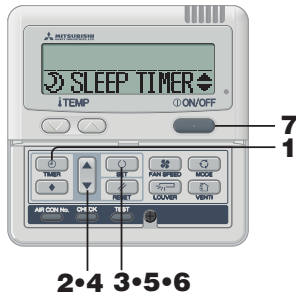
#### NOTICE

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

## HOW TO PERFORM THE TIMER OPERATION

### < WIRED REMOTE CONTROL >

#### TIMER CANCELLATION MODE



- Press **TIMER** button.  
Timer mode begins.  
The current day of the week and the current time are displayed.  
[ SUN MON TUE WED THU FRI SAT ]  
PM 1:00  
CLOCK SET
  - Press **DOWN** button for five times.  
CLOCK SET  
SLEEP TIMER (▼ first press)  
OFF TIMER (▼ second press)  
ON TIMER (▼ third press)  
WEEKLY TIMER (▼ fourth press)  
TIMER CANCEL (▼ fifth press)
  - Press **TIMER** button.  
Timer Cancellation Mode begins.
  - Press **UP** or **DOWN** button.  
By pressing **UP** or **DOWN** button, it is possible to choose the item to cancel.  
SLEEP TIMER  
OFF TIMER  
ON TIMER  
WEEKLY TIMER (▲ canceling all days of the week)
- If you press the **RESET** button, the remote control will return to the previous screen, and display **TIMER CANCEL ▲** (step 2 above)

In case "SLEEP TIMER", "OFF TIMER" or "ON TIMER" was selected.

- Press **TIMER** button.  
The detailed setting of selected timer mode is displayed as shown below.  
(But if not set, "NO SETTING" is displayed)  
-Display EXAMPLE when "ON TIMER" is selected-  
PM 10:00 27°C  
CANCEL?
- If you would like to quit cancellation, press the **RESET** button to return to the "ON TIMER" display. (step 4 above)

- Press **TIMER** button.  
The display of the detailed timer setting is turned off, and after the message "CANCELLED" is displayed for two seconds, "SLEEP TIMER" is displayed again. (step 4 above)  
Repeat steps 4 to 6 to continue canceling timer mode settings.

**NOTICE**

- ¥ If you press **ON/OFF** button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

In case "WEEKLY TIMER" was selected.  
All the Weekly timer setting will be canceled if you proceed the following steps.  
To cancel a part of the timer setting, please see "Canceling Weekly timer Mode Setting" on page 9.

- Press **TIMER** button.  
The settings are displayed as shown below.  
(But if not set, "NO SETTING" is displayed)  
SUN MON TUE WED THU FRI SAT  
CANCEL?
- If you would like to quit cancellation, press the **RESET** button to return to the "WEEKLY TIMER" display. (step 4 above)

- Press **TIMER** button to confirm.  
The day of the week display area turns off, and after the message "CANCELLED" is displayed for two seconds, the display returns to "SLEEP TIMER" (step 4 above).  
These operation settings cancel all days of the week.

- Press **ON/OFF** button.  
Timer mode ends.

## HOW TO OPERATE IN SILENT MODE

### < WIRED REMOTE CONTROL >

#### SILENT MODE

When the silent mode is set, the unit operates more silently reducing noise from the outdoor unit. The system applies the silent operation mode at the starting time to be set, and finish it after a certain period of time has passed. Once the system is set to operate with the silent mode, the setting is applied everyday until it is canceled.

#### ■ Silent Mode Setting

- In the timer mode, set the current day of the week and current time.  
\* See page 6 step 1 to 7
- Press **TIMER** button for three seconds or more.  
The remote control goes into silent mode setting and the following is displayed.  
SET SILENT (or CANCEL SILENT ▲ lights)
- Press **UP** or **DOWN** button.  
If **DOWN** button is pressed, "CANCEL SILENT ▲" is displayed.  
If **UP** button is pressed, "SET SILENT ▼" is displayed.  
Select "SET SILENT ▼".  
If you press the **RESET** button, the remote control return to the original screen.
- Press **TIMER** button.  
The following setting is displayed.  
ON 5:00 (flashing)  
SET TIMER (lights)  
ON 5:00  
SET TIMER
- Press **UP** or **DOWN** button.  
Set the "ON TIME".  
• Set "Hour"  
If you hold **UP** or **DOWN**, the number in hour display changes, and if you release it, the number stops changing.  
• Set "Minute"  
If you press **UP** or **DOWN** button, the number in the display becomes larger or smaller by ten minutes.  
If you press the **RESET** button, the remote control return to the "SET SILENT ▼" display.
- Press **TIMER** button.  
The ON TIME is set and the following is displayed.  
ON 5:00 (flashing)  
TIMER SET OK (lights for two seconds)  
ON 5:00 (flashing)  
SET TIMER (lights)  
ON 5:00  
SET TIMER

#### ■ Canceling Silent Mode (Setting)

Select "CANCEL SILENT ▲" on step 2, press **TIMER** button and silent setting is canceled ending the silent mode.  
CANCELLED is displayed.

#### NOTICE

- The remote control has main-sub units, silent setting cannot be operated with sub unit.
- After the silent mode is set, the following is displayed for 3 seconds at the set time and the unit returns to the original display.  
At the ON time: SILENT MODE ON  
At the OFF time: SILENT MODE OFF
- If you select "ON" you can continue the silent mode until it is canceled. At the first ON time, the display shows "SILENT MODE ON" for three seconds and returns to original display.

¥ If you press **ON/OFF** button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.

- Press **UP** or **DOWN** button to set the duration.  
Select OFF time.  
When you press **UP** button, and the duration is increased by two hours as below, 02:00 → 04:00 → 06:00 → 08:00  
When you press **DOWN** button, and the duration is decreased by two hours.  
If you press the **RESET** button, the "ON TIME SET" display returns.
- Press **TIMER** button.  
The setting is fixed and displayed.  
SET COMPLETE is displayed, and the silent mode setting ends.  
The setting display turns off, and returns to original display.

## HOW TO ADJUST THE LOUVER (IN CASE OF FDT, FDTC, FDE) <WIRED REMOTE CONTROL >

### ADJUSTING WITH LOUVER BUTTON (Indoor unit with auto swing function)

Press LOUVER button once, and the current status of louver is displayed.



The display during auto swing	SWING	
The display with the louver position fixed	STOP 1	
	STOP 2	
	STOP 3	
	STOP 4	

When you operate the swing louver

1. Press LOUVER button, and change the display to "SWING ".



SWING

The function of the swing louver during the heating preparation, heating/defrost

During Heating/Defrost, the position of the swing louver is automatically switched to horizontal.



When the operation is switched to normal after the heating preparation, the position of swing louver returns to the last setting.

#### CAUTION

- Do not move the swing louver forcibly by hands for fear that it may be damaged.
- Do not blow downwards during cooling operation for a long time for fear that dew condensation may be formed at the side panel. (In case of FDE)

## HOW TO ADJUST THE LOUVER (IN CASE OF FDF CONTROL)

### ADJUSTING WITH LOUVER BUTTON (Indoor unit with auto swing function)

Press LOUVER button once, and the current status of louver is displayed.



The display during auto swing	SWING	
The display during stop	LOUVER STOP	

## HOW TO SET THE AIRFLOW DIRECTION (IN CASE OF FDT, FDTC, FDE) <WIRED REMOTE CONTROL >

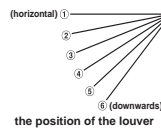
It is possible to change the movable range of the louver on the air outlet from the wired remote control. Once the top and bottom positions are set, the louver will swing within the range between the top and the bottom positions when swing operation is chosen. With Ceiling cassette -4 way - FDT and FDTC, it is also possible to apply different setting to each louver.



2•4•6•8 1  
3•5•7•9

#### NOTICE

- For FDT and FDTC type, in case the louver No. to be set is uncertain, set any louver temporarily. The louver will swing once when the setting is completed and it is possible to confirm the louver No. and the position. After that, choose the correct louver No. and set the top and bottom positions.
- For FDE type, set louver No. 1. Other settings selected have no effect.



1. Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.

The following is displayed if the number of the indoor units connected to the remote control is one. Go to step 4.

DATA LOADING

No.1

SELECT I/U

1/000

1/000

2. Press or button.(selection of indoor unit)

Select the indoor unit of which the louver is set.

[EXAMPLE] 1/000 1/0001 1/0002

1/000

3. Press SET button. (determination of indoor unit)

Selected indoor unit is fixed.

[EXAMPLE] 1/000 (lights for two seconds)

DATA LOADING

No.1

4. Press or button. (selection of louver No.)

Select the louver No. to be set according to the left figure.

[EXAMPLE] No.1 No.2 No.3 No.4

No.1 No.2 No.3 No.4

Note : For FDE, select No.1. Other louver No. settings have no effect.

5. Press SET button. (Determination of louver No.)

The louver No. to be set is confirmed and the display shows the upper limit of the movable range.

[EXAMPLE] If No.1 louver is selected, 1 UPPER2

1 UPPER2 - current upper limit position

6. Press or button. (selection of upper limit position)

Select the upper limit of louver movable range.

Position 1 is the most horizontal, and position 6 is the most downwards.

Position -- is to return to the factory setting. If you need to change the setting to the factory setting, use position --.

No.1 UPPER1 (The most horizontal)

No.1 UPPER2

No.1 UPPER3

No.1 UPPER4

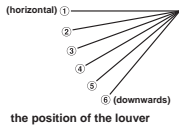
No.1 UPPER5

No.1 UPPER6 (The most downward)

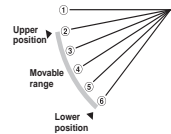
No.1 UPPER- (Return to the position of shipment)

## HOW TO SET THE AIR FLOW DIRECTION

### < WIRED REMOTE CONTROL >



[EXAMPLE] For Upper position 2, Lower position 6



Note : If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position. And auto swing does not function.

#### NOTICE

- If you press **RESET** button during settings, the display will return to previous display. If you press **ON/OFF** button during settings, the mode will end and the original display will return, and the settings that have not been completed will become invalid.
- When plural remote controllers are connected, louver position setting cannot be set by slave remote control.

### 7 Press **SET** button (Fixing of the upper limit position)

The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.

[EXAMPLE]  
No.1 UPPER2 (lights for two seconds)  
↓  
No.1 LOWER5 (shows current setting)

### 8 Press **▲** or **▼** button (Selection of lower limit position)

Select the lower limit position of louver.  
Position 1 is the most horizontal, and position 6 is the most downwards.

Position --0s to return to the factory setting. If you need to change the setting to the factory setting, use Position --0

No.1 LOWER1 (the most horizontal)  
No.1 LOWER2  
No.1 LOWER3  
No.1 LOWER4  
No.1 LOWER5  
No.1 LOWER6 (the most downwards)  
No.1 LOWER--0 (return to the position of shipment)

### 9 Press **SET** button (Fixing of the lower limit position)

The upper limit position and lower limit position are fixed, the set positions lights for two seconds, and then the setting is completed.

After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)

[Example]  
No.1 U2 L6 (lights for two seconds)  
↓  
SET COMPLETE  
↓  
No.1

### 10 Press **ON/OFF** button.

Louver adjusting mode ends and returns to the original display.

## HOW TO OPERATE VENTILATION (WHEN A VENTILATOR IS INSTALLED)

### < WIRED REMOTE CONTROL >

When the ventilator is set to "NO VENTI LINK", the ventilator can be turned on and off independently regardless of the operation of the air conditioner.

When the ventilator is set to "VENTI LINK", the ventilator operation will be interlocked with the air conditioner operation.



#### VENTILATION OPERATION NOT LINKED WITH UNIT'S OPERATION

- Press **VENTI** button.  
ON/OFFs displayed, and the ventilation operation begins.

Stop Press **VENTI** button again.

#### NOTICE

- If no ventilator is connected, no operation can be performed by pressing the ventilation button. (INVALID OPERs displayed).

#### VENTILATION OPERATION LINKED WITH UNIT'S OPERATION

- Press **ON/OFF** button.  
If a ventilator is connected, ventilation will operate automatically. ON/OFFs displayed.

Stop Press **ON/OFF** button again.

#### NOTICE

- No operation can be performed by pressing the ventilation button. (INVALID OPERs displayed).

## FOR COMFORTABLE USE

### Clean the filter frequently

See page 16

The filter should be cleaned when the "Filter cleaning" message is displayed, and at the ends of cooling and heating seasons.

### If the filter is clogged...

- The cooling/heating capacity will get reduced. Moreover it leads to waste of electricity and larger operation noise.
- It may cause failure.
- Dew may form and drop during cooling.

### Do not block the inlet and outlet grilles of the indoor and outdoor units.

Excessive load to the unit may cause failure.

### Keep moderate room temperature

Too much cooling or heating is not good for your health. It will also waste the electricity.

### Block direct sunlight and prevent draft

Block direct sunlight with blinds and curtains during cooling. Close the windows and doors except when ventilation is necessary.

### Adjust the airflow properly

Do not expose yourself directly to the airflow for too long time. For small animals and plants, it is harmful as well.

### If you feel cold underneath your feet during heating

If the ceiling is so high that the warm airflow does not circulate underneath your feet, it is recommended to use a circulator. Consult your dealer for more detail.

### Stop the operation and turn the power supply off if there are any possibility of lightning strikes during a thunderstorm.

Lightning strikes may lead to the failure of air-conditioning system.

## INSPECTION DISPLAY, FILTER SIGN, AIR CONDITIONER NUMBER, STANDBY AND ROOM TEMPERATURE DISPLAY

### < WIRED REMOTE CONTROL >

#### WHEN THE CHECK INDICATOR LIGHT (RED) FLASHES



The air conditioner stops in the event any trouble occurs.  
At the same time, the check indicator light flashes in red and the error code is displayed in the ON timer display area and the following is displayed in the display area.  
17000 → "PROTECT STOP"  
(Air conditioner number)  
(lights for 2 seconds by turns)

#### ERROR display when multiple indoor units are connected

If errors have occurred for all the connected air conditioning units. Initially, the error display shows the formation of the air conditioning unit whose number is the lowest. Errors of other air conditioning unit can be checked with the following procedure.



- Press AIR CON No. button.  
Enter AIR CON No. display mode.
- Press ▲ button.  
AIR CON No. and error codes are displayed in order from the lowest. Press ▼ button to display in the reverse order.
- Press ON/OFF button.  
Return to the AIR CON of the lowest number.

If errors have occurred for some of the connected AIR CON units.  
Only the units for which errors have occurred stop operating. The remote control shows the operating units.



- Press AIR CON No. button.  
AIR CON No. display mode appears.
- Press ▲ button.  
AIR CON No. are displayed in order from the lowest. And error codes are displayed on the unit in trouble. Press ▼ button to display in the reverse order.
- Press ON/OFF button.  
Return to the AIR CON of the lowest number.

#### NOTICE

- If ON/OFF button is pressed once while errors are displayed, the errors display is turned off, and the stop mode returns.
- If ON/OFF button is pressed again, the errors are displayed.

#### ROOM TEMPERATURE DISPLAY

If room temperature display setting is activated, room temperature is displayed on the remote control display. Then airflow display turns off, but airflow adjusting button is operative. Consult your dealer for settings.



The room temperature display

#### WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED



The "FILTER CLEANING" is displayed when the cumulative operation time reaches to the predetermined number of hours in order to notify the time for cleaning.

Clean the air filter. See page 16  
"FILTER CLEANING" is displayed in the display area. It is displayed for one second every five seconds while the unit is running. It stays lit while the system stopped.

#### After cleaning

- Press RESET button.  
The cumulative operation hours are reset and the "FILTER CLEANING" message turns off.

#### HOW TO DISPLAY AIR CON NO.

By operating AIR CON No. button, the number of the connected AIR CON unit and error codes of the units which have the record are displayed.



- Press AIR CON No. button.  
AIR CON No. display mode appears and the AIR CON of the lowest number is displayed. Other displays all turn off.
- Press ▲ button.  
AIR CON No. are displayed in order from the lowest. In addition, if any errors have occurred to the unit in the past, error codes can be found here too. Press ▼ button to display in the reverse order.
- Press ON/OFF button.  
Return to the original display.

#### NOTICE

- The AIR CON No. can be displayed without relation to its modes of operation, stop, forcible stop due to an error.
- Buttons other than "AIR CON No." "▲" "▼" "ON/OFF" cannot be operated.

#### STANDBY DISPLAY

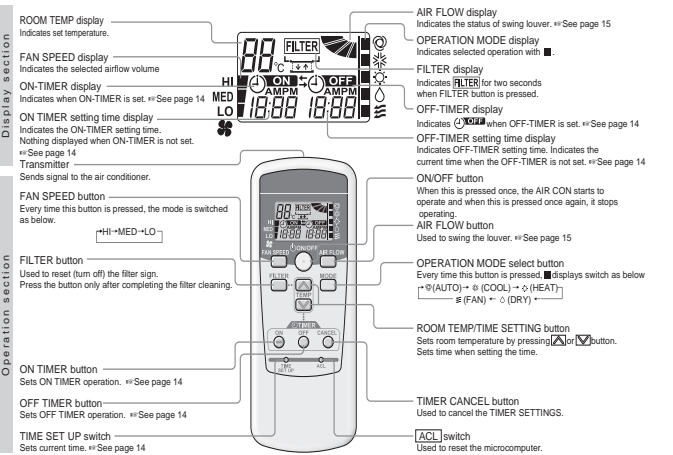
During the first operation after breaker power supply input or the recovery from power failure, "PREPARATION" can be displayed on the remote control for max 30 minutes.  
The refrigerant oil protection control is activated to protect the compressor and this isn't a failure. Please wait till the display turns off.



## NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS <WIRELESS REMOTE CONTROL>

### WIRELESS REMOTE CONTROL

In order to explain the displays in the liquid crystal display, all of them are shown in the figure below.



NOTICE If the display of remote control has troubles, press [ACL] switch.

#### WIRELESS REMOTE CONTROL HANDLING PROCEDURE

##### REPLACING THE BATTERIES

- If the following occurs, the batteries are exhausted. Replace them with new ones.
  - When the signal is transmitted, the AIR CON does not display reception.
  - The display fades away or does not show anything.

##### 1 Pull out the cover.



##### 2 Replace the old batteries with new ones. (R03x2)



##### 3 Close cover.

##### 4 Adjust the current time.

When any error occurs on the display, Press [ACL] switch with a ballpoint etc.

#### NOTICE

If the remote control is set as "Radio Interference Prevention Setting", it returns to default when the batteries are removed. It is necessary to perform the next procedures again.

When the batteries are inserted, each operation mode is set as the right figure. Adjust the current time referring to page 14. (The figure is for operation, and only the current time is displayed for stopping)

##### How to set Radio Interference Prevention Setting

It is possible to be sent in two ways. Press [ACL] switch with [AIR FLOW] button kept pressing or insert the batteries with [AIR FLOW] button kept pressing.

#### ATTENTION

- Do not use old and new batteries mixed.
- Remove the batteries when the remote control is not used for a long time.
- The recommendable effective period of a battery is about 6 to 12 months. (It depends on the usage.)

#### ATTENTION

- The recommendable effective period is printed on the battery. This may be shorter due to manufacturing time of the unit.
- However the battery may be still working in order after expiry date.

#### ATTENTION

- Do not place anything between the remote control and the unit.
- Do not operate the remote control for other electric appliances which can be operated with a remote control.
- Handle it with utmost attention.
- Remove the batteries when the remote control is not used for a long time.
- Even if the remote control is not found or damaged, you can operate the air conditioner with itself. See "How to use the backup button" on page 15.

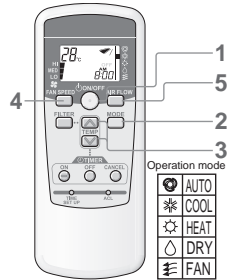
#### ATTENTION

- Do not place anything between the remote control and the unit.
- Do not operate the remote control for other electric appliances which can be operated with a remote control.
- Handle it with utmost attention.
- Remove the batteries when the remote control is not used for a long time.
- Even if the remote control is not found or damaged, you can operate the air conditioner with itself. See "How to use the backup button" on page 15.

## HOW TO USE < WIRELESS REMOTE CONTROL >

### HOW TO OPERATE

- ATTENTION**
- In order to protect both indoor/outdoor air conditioners, keep the power supply on for six hours before initial operation. Do not turn off the power supply. (Power is distributed to the crankcase heater, even if the compressor is stopped. This keeps the compressor warm, and prevents failures caused by accumulation of liquid refrigerant.)
  - The operation of remote control must be performed slowly and steadily.



#### Guideline of room temperature setting

COOL .....	26 to 28°C
DRY .....	21 to 24°C
HEAT .....	22 to 24°C
FAN .....	TEMP setting is unnecessary

\* Operation mode can be changed even when the unit stops.  
 † If you operate under the same condition (operation mode, set temperature, airflow, louver) just follow step 1, no other operations are necessary. The conditions which were set previously are indicated on the remote control

### OPERATION

#### 1 Press ON/OFF button.

The operation display light (Green) turns on, and the operation starts. The setting status is displayed on the liquid crystal area on the remote control.

#### 2 Press MODE button.

Current operation mode is indicated with the ■ marks besides the operation mode icons.

The mode will change in the following order by pressing the button.  
 → (AUTO) → (COOL) → (HEAT) → (FAN) → (DRY) → (AUTO)

#### 3 Press TEMP button.

Set the room temperature by pressing [▲] or [▼] button.

#### 4 Press FAN SPEED button.

[HI] → [MED] → [LO] FAN SPEED can be changed in order.

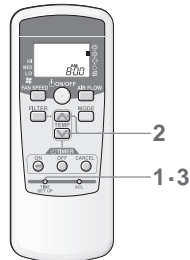
#### 5 Press AIR FLOW button.

Effective AIR FLOW direction \*† see page 15  
 AUTO mode operation ..... Intermediate  
 Cooling, dehumidifying mode ... Horizontal  
 Heating mode ..... Downwards

**Stop** Press ON/OFF button

## CURRENT TIME SETTING PROCEDURE

The timer is set on the current time. Adjust the current time correctly at first of all.



### [EXAMPLE] AM (morning) 8:00 setting

#### 1 Press TIME SET UP switch.

Press it with the tip of ballpoint etc. The time display blinks and can be set to the current time.

#### 2 Press [←] or [→] button to adjust to AM 8:00.

Morning : AM After noon : PM  
 The displayed time changes by 1 minute when pressing the button.

- If [←] or [→] button is pressed during the blinking, fast-forward or fast-backward can be done.

### NOTICE

- In case the buttons are not pressed for 60 seconds, the displayed time is set as current time without step 3.

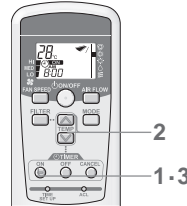
#### 3 Press TIME SET UP switch.

The value of the time displayed stops flashing and lights, and the setting is completed.

## ON - TIMER OPERATION

## < WIRELESS REMOTE CONTROL >

Operation is started at the setting time.



- In case the ON timer is set while the air conditioner is in operation, it will be stopped and ready for restart at the setting time.

### [EXAMPLE] If you would like to start the operation at AM 8:00

#### 1 Press ON timer button.

ON timer display [ON] blinks.

#### 2 Press [←] or [→] button to adjust to AM 8:00.

Displayed time will be changed by 10 minutes by pressing the buttons.

#### 3 Press ON timer button.

- ON timer display [ON] stops flashing and lights, and the setting is completed. (Press within 60 seconds)
- TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
- At AM 8:00, TIMER/CHECK display lamp turns off and the air conditioner will start operating.

### Cancellation

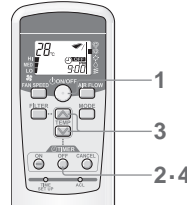
- Press CANCEL button to turn off the TIMER display and timer is canceled.
- After TIMER setting, if ON/OFF button is pressed before the setting time, TIMER display turns off and the TIMER is canceled.

### Time change

Press ON TIMER button to set again.

## OFF - TIMER OPERATION

Operation is stopped at the setting time.



### [EXAMPLE] If you would like to stop the operation at PM 9:00

#### 1 Press ON/OFF button when the air conditioner stops.

The air conditioner starts to operate. OFF timer can be set only in case the air conditioner is in operation.

#### 2 Press OFF timer button.

OFF timer display [OFF] blinks.

#### 3 Press [←] or [→] button to adjust to PM 9:00.

Displayed time will be changed by 10 minutes by pressing the buttons.

#### 4 Press OFF timer button.

- OFF timer display [OFF] stops flashing and lights, and the setting is completed. (Press within 60 seconds)
- TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
- At PM 9:00, TIMER/CHECK display lamp turns off and the air conditioner will stop operating.

### Cancellation

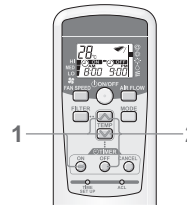
- Press CANCEL button to turn off the TIMER display and timer is canceled.
- After TIMER setting, if ON/OFF button is pressed before the setting time, TIMER display turns off and the TIMER is canceled.

### Time change

Press OFF TIMER button to set again.

## PROGRAM TIMER OPERATION

By setting both ON timer and OFF timer, the settings turn into PROGRAM timer mode. Operation and stopping can be performed at the same time of each day by setting program timer once.



#### 1 Set ON timer.

Press ON timer button and set the time with [←] or [→] button. Press ON timer button again.

#### 2 Set OFF timer.

Press OFF timer button and set the time with [←] or [→] button. Press OFF timer button again.

Both ON TIMER and OFF TIMER are displayed. The direction of arrow mark changes depending on the status of operation.

[ON] [OFF] (stop) [ON] [OFF] (operating)

### Cancellation

- Whenever the CANCEL button is pressed, both ON and OFF timer display will be turned off and the PROGRAM timer mode will be cancelled. (Operation condition is kept as before the button is pressed.)
- Whenever the ON/OFF button is pressed, both ON and OFF timer display will be turned off and the PROGRAM timer mode will be cancelled. The air conditioner stops operating.

### Changing the set time

Press OFF TIMER button or ON timer button to set again.

### NOTICE

The same time cannot be set for OFF timer and ON timer.



## HOW TO ADJUST THE LOUVER

< WIRELESS REMOTE CONTROL >

### UP AND DOWN ADJUSTING

#### How to move swing louver

Press AIR FLOW button when the air conditioner is in operation.

- The swing louver moves up and down, and the display moves too.

#### NOTICE

The louver position which the display shows is not synchronized with the actual position when the louver is swinging. But this is not a failure.



#### To fix the position of the swing louver

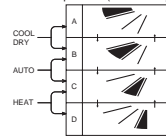
Press AIR FLOW button when the louver position indication comes to the position where you would like to fix it.

- Auto swing display stops at the position and then the swing louver stops and be fixed.

#### NOTICE

Press the button and auto swing display stops immediately, then the swing louver stops later, but this is not a failure. (Auto swing display and the actual louver movement of the air conditioner are not synchronized)

Recommended air flow direction position (when fixed)



#### The swing louver movement during heat preparation



When "heat preparation" is displayed, the position of the swing louver sets horizontal automatically. (The display of remote control keeps the set position)  
When heat preparation ends and normal operation starts, the position of the swing louver returns to the set position.

#### CAUTION

Do not set the position of the swing louver downwards for a long time. Dew formation on the side panel may drop. (in case of FDE)

## FOR COMFORTABLE USE

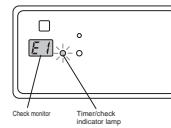
See page 12

## CHECK INDICATION, FILTER SIGN

< WIRELESS REMOTE CONTROL >

### Ceiling suspended (FDE)

#### WHEN SHORT FLASHING LIGHT (lights for 0.5 seconds and blinks for 0.5 seconds) IS SHED FROM THE TIMER/CHECK INDICATOR LAMP (YELLOW)



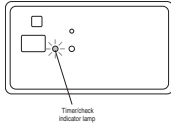
#### There is something wrong with the air conditioner.

- Immediately after the timer/check indicator lamp flashed (lights for 0.5 seconds and blinks for 0.5 seconds), the air conditioner stops.
- Address No. and error code are shown on the display on the indoor unit.
- The monitor display is turned off after the display time elapses.
- When nothing is displayed on the monitor, operate the remote control or press the BACKUP button to resume.

Please contact your dealer and inform them "address No. and error code", "symptom of the trouble", "air conditioner type" and "model name" etc.

- Press the ON/OFF button to stay the air conditioner on the stop mode.

#### WHEN LONG FLASHING LIGHT (lights for 2 seconds and blinks for 1 seconds) IS SHED FROM THE TIMER/CHECK INDICATOR LAMP (YELLOW)



#### Clean the filter.

- When cumulative running time reaches to 120 hours, long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow).
- After cleaning of filter, press the FILTER button on the remote control to turn off the filter cleaning sign. (Press the button for one second or more)

See page 16.

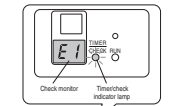
#### NOTICE

The cumulative running time for filter sign can be changed. Consult your dealer for more information.

### Ceiling cassette -4 way- (FDT)

### Ceiling cassette -4 way Compact (600x600mm) - (FDTc)

#### WHEN SHORT FLASHING LIGHT (lights for 0.5 seconds and blinks for 0.5 seconds) IS SHED FROM THE TIMER/CHECK INDICATOR LAMP (YELLOW)



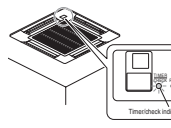
#### Something is wrong with the air conditioner.

- Immediately after the timer/check indicator lamp flashes (lights for 0.5 seconds and blinks for 0.5 seconds), the air conditioner stops.
- Address No. and error code are shown on the display on the indoor unit.
- The monitor display is turned off after the display time.
- When nothing is displayed on the monitor, operate the remote control or press the BACKUP button resume.

Please contact your dealer and inform them "address No. and error code", "symptom of the trouble", "air conditioner type" and "model name" etc.

- Press the ON/OFF button to stay the air conditioner on the stop mode.

#### WHEN LONG FLASHING LIGHT (Light for 2 seconds, blink out for 1 second) IS SHED FROM THE TIMER/CHECK INDICATOR LAMP (YELLOW)



#### Clean the filter.

- When cumulative running time reaches to 120 hours, long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow).
- After cleaning of filter, press the FILTER button on the remote control to turn off the filter cleaning sign. (Press the button for one second or more)

See page 16.

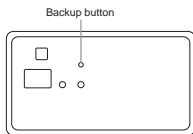
#### NOTICE

The cumulative running time for filter sign can be changed. Consult your dealer for more information.

## BACKUP BUTTON

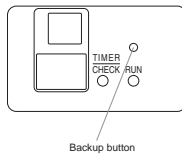
In case of battery exhausted, or loss or any trouble of remote control, the air conditioner can be operated with the BACKUP button on the indoor unit display part.

### ■ Ceiling suspended (FDE)



### ■ Ceiling cassette -4 way- (FDT)

Ceiling cassette -4 way Compact (600x600mm) - (FDTc)



In case of FDE/FDT/FDTc

#### ON/OFF

■ Press backup button and leave it untouched for two seconds.

■ The operation starts.

■ Press it again to stop the operation.

#### SETTING

OPERATION MODE.....	AUTO	FAN SPEED.....	HI
TIMER.....	No setting	SET TEMP.....	23°C
AUTO SWING.....	STOP (HORIZONTAL)		

## HOW TO MAINTAIN

### How to clean the Air Filter

Clean the filter frequently for economical operation.

⚠ **Caution** Before cleaning, stop the operation and turn off the power supply.

Otherwise, it may lead to injury as fan inside rotates at high speed.

⚠ **Caution** The stepladder used for removing and attaching the air filter must be fixed firmly.

Otherwise, it may lead to injury due to overturn or fall.

⚠ **Caution** Be careful so that the dust does not get into your eyes when removing the air filter.

⚠ **Caution** Do not operate the air conditioner while the air filter is removed.

Piled up dust may lead to malfunction.

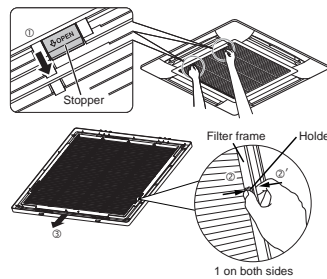
### How to remove

Follow the instruction mentioned below according to the indoor unit type.

### ■ Ceiling cassette -4 way- (FDT)

#### • How to handle inlet grille/filter

##### Removal



#### <How to remove the grille>

1. Hold the stoppers on the grille (2 places) to the OPEN direction (arrow mark ①), and then pull down to open the grille. Remove the hooks of the grille to dismount it.

#### <How to remove the filter>

1. Push holders (arrow mark ②) and filter frame (arrow mark ③) and remove the filter from the holders. Then, slide the filter in the indicated direction (④) to remove it from the grille.

#### <How to mount the filter>

1. Check that the filter is on the right side and that its orientation is correct. Then, hook it to the hooks. (Insert in the way indicated with arrow mark ⑤)

2. Ensure to insert the holders of the grille into the filter holes until clicking sounds are heard.

#### <How to mount the grille>

1. Mount the hooks of the grille to the holes on the panel. (The hooks on the grille can be mounted in all 4 directions.)

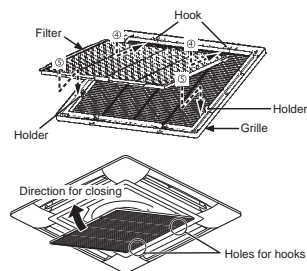
2. Close the grille while pressing the stoppers on the grille (2 places) to the OPEN direction. Then, release the stoppers.

⚠ **Caution** Mount the filter to the grille securely. Otherwise, it may lead to decreased efficiency due to leakage of flow from the gap.

⚠ **Caution** Mount the grille securely. Otherwise, it may fall.

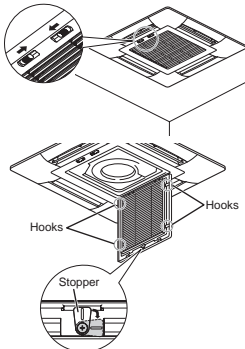
⚠ **Caution** When the stopper is deformed or damaged, repair or replace without delay. Otherwise, the grille may fall.

##### Mounting



## HOW TO MAINTAIN

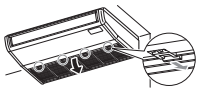
### Ceiling cassette –4 way Compact (600x600mm) – (FDTC)



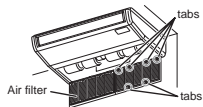
- Slide the inlet grille levers in the direction of the arrow (⇒), and open it downwards.
- Release the inlet grille stopper.
- Pull the filter towards you.
- When the filter is put in place, insert the filter into the hooks on the inlet grille, and be sure to return the stopper to its original position.
- When putting the inlet grille back in place, slide the levers in the opposite direction and check to be sure that the grille does not come open.

### Ceiling suspended (FDE)

- Slide the lever of the inlet grille backward (⇒ direction) and open it downwards.
- Pressing the inlet grille, press the filter to remove it from the tab and pull it downwards.



When mounting, press the lever forward until it snaps.



When attaching the filter, insert the filter into the tabs of the inlet grille.

- Duct connected –High static pressure– (FDU)
- Duct connected –Middle static pressure– (FDUM)

Air filter is attached when the air conditioner is installed, so consult your dealer about how to remove or clean it.

### How to clean

- Wash away for cleaning. If it is not so dirty, tap it or use cleaner.  
If it is very dirty, dissolve some neutral detergent in lukewarm water (approximately 30°C), rinse the filter with it and wash the detergent away completely.
- After the air filter is dried, mount it to the main body and press RESET button.

#### ATTENTION

- Do not dry by exposing the air filter to the direct sunlight or using fire. Otherwise, the filter may be damaged.
- Do not operate the air conditioner with the filter removed. Otherwise it may lead to trouble.

### MAINTENANCE OF THE UNIT

- Clean the unit by wiping with a piece of soft and dry cloth. If the unit is very dirty, wipe it with a piece of cloth wet with neutral detergent dissolved in lukewarm water and wipe it off with clean water.

#### AT THE END OF THE PERIOD OF USE (after a long period of use)

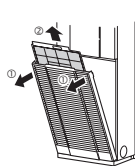
- Make sure to turn off the power supply.
- The air conditioner consumes several tens of watts electricity even if it is stopped.
- Clean the air filter and mount it.
- Clean the indoor/outdoor units.

#### AT THE BEGINNING OF THE PERIOD OF USE (after a long unused period)

- Make sure that there is no object blocking the airflow around the inlet and outlet grilles of the indoor/outdoor unit.
- Inspect the air filter. If it is dirty, clean and mount it.
- Turn on the power supply button for 6 hours before starting the operation.

### Floor Standing (FDF)

Please take out the air filter by pulling carefully the both sides of the inlet grille.



## TROUBLE SHOOTING

Check the following items before requiring service.

### THE UNIT DOES NOT WORK AT ALL

Is the power supply switch turned off?



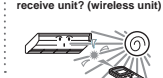
Is there a blackout or is the fuse blown?



Is the leakage breaker activated?

Dangerous. Immediately turn off the power supply switch, and contact your dealer.

Is sunlight or other strong illumination striking the receive unit? (wireless unit)



### POOR COOLING OR HEATING

Is the air filter clogged?



Is the swing louver horizontal (during heating)?

If the swing louver is horizontal, the airflow may not reach down to the floor.



Are there any obstacles blocking the air inlet and outlet grill?



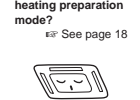
### POOR COOLING

Is the direct daylight coming into the room?

- Are there any unexpected heat sources in the room?
- Are there too many people in the room?

### NO AIRFLOW AT HEATING

Is the unit in the heating preparation mode?



- If, after checking the items above, the air conditioner still does not operate normally or in the next cases, stop operating and contact your dealer.
- If the fuse and breaker blow frequently.
- If water drips at cooling/dehumidifying operation.
- If the operation or operation noise is abnormal.
- If the check indicator light flashes.

The phenomena mentioned below is not malfunction.

The air conditioning system sounds as if water is draining from it.	Sounds of rustling or gurgling may be heard when the operation is started, when the compressor is activated/deactivated during operation, or when the operation is stopped. These are the sounds of the refrigerant flowing through the system.
Sounds of rustling or gurgling may be heard from a stopped indoor unit.	These sounds can be heard when the air conditioning system is performing automatic control.
The supply air from the indoor unit smells bad.	The supply air from the indoor unit may smell bad if the smell of cigarettes, cosmetics and/or furniture has saturated the air conditioning system.
White vapor is generated from the indoor unit during operation.	White vapor may be generated during operation if the system is used in environment where oils and fats are frequently used, such as in restaurants. In this case, consult the dealer and clean the heat exchanger.
The operation switched to fan operation during cooling operation.	The operation may switch to fan operation automatically in order to avoid frost being built up on the surface of the heat exchanger. The operation will soon return to cooling operation.
The indoor fan does not stop even when the operation is stopped in heating mode.	The indoor unit fan may continue operating for 40 seconds in order to remove remaining heat in the indoor unit. <b>CAUTION Do not turn off the power supply until the fan stops.</b>
The air conditioning system cannot start operating again immediately after stopping.	During the first 3 minutes after stopping operation, it is not possible to perform cooling, dehumidifying or heating operation even if the ON/OFF button is pressed to indicate "operation." This is because a circuit for protecting the compressor is activated (the fan is operating during this period).
No air comes out during dehumidifying operation. The airflow volume cannot be changed.	During dehumidifying operation, the fan speed is automatically controlled in low speed/stop cycle in order to avoid both drastic temperature drop and humidity rise.
The swing louver moves without any operation.	The swing louver automatically swings twice when the power supply switch is turned on. This is not a trouble. The louver also moves automatically to the horizontal position when "PREPARATION OF HEATING" is displayed.
The outdoor unit discharges water or steam during heating operation.	Water or steam is discharge during defrosting operation which removes frost built up on the surface of the heat exchanger in the outdoor unit in heating mode.
The outdoor unit fan is not running even when the system is in operation.	The fan speed is automatically controlled according to the ambient temperature. It may be stopped in high ambient temperature in case of heating, and in low ambient temperature in case of cooling. Also, the fan is stopped during defrosting operation. <b>CAUTION The fan will suddenly begin to operate even if it is stopped. Do not insert finger and/or stick.</b>

## TROUBLE SHOOTING

The phenomena mentioned below is not malfunction.

Slapping sounds are heard.	These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.
Hissing sounds are heard when the operation is stopped or during defrost operation.	These sounds are generated when the refrigerant valve inside the air conditioning system is activated.
The air conditioner starts operation automatically as soon as the power supply is turned on.	In case the automatic restart function is enabled, and when the power supply recovers, the system restarts the operation automatically as same condition as before power supply is cut.  See below
The setting temperature cannot be changed (the setting temperature display flashes).	If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even  or  is pressed.  See right
In case of wireless remote control, the unit does not operate with the inspection display light on the indoor unit flashing even though any button on the remote control is pressed.	In case the system is controlled by the other centralized remote control and it forbids operating the system from the remote control, it is not possible to operate by the remote control.
Even if the wired remote control is operated, the central control light only flashes and doesn't operate.	Is not  or  displayed? If controlled with a separately purchased center console etc., the unit cannot be operated by the remote control.

## PREPARATION OF HEATING

### CASES WHEN (PREPARATION OF HEATING)\* IS DISPLAYED

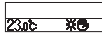
\* (PREPARATION OF HEATING)\* is displayed in the remote control display area in the following cases.

For wireless devices, the run/check display lamp on the main body display unit will flash green.

Setting temperature and preparation of heating are displayed on the wired remote control.

#### At Starting Heating Operation

In order to prevent cool air from blowing out, the airflow into the room may be stopped depending on the room temperature at the start of heating operation, please wait for a while and the operation automatically switches to the normal heating operation.



#### At defrost operation (during heating operation)

When frost may easily formed on the outdoor unit, the heating operation automatically is stopped (both indoor/outdoor unit stop fan operation) for approximately 5 to 10 minutes per hour and defrosting is operated. After the defrosting is complete, the operation automatically switches back to the normal operation.



### HEATING OPERATION

#### Heat pump type

Heat pump type heating applies the mechanism that draws the heat from the outside air to warm up the room by means of the refrigerant.

#### Defrost operation

During heating with a heat pump type air conditioner, frost will be formed on the outdoor unit if the temperature outside the room drops. If left alone, the heating efficiency decreases. In order to deal with this, the operation is automatically switched to defrost operation to remove the frost. During the period, the airflow of indoor/outdoor unit is stopped and is displayed.

#### Outdoor air temperature and heating capacity

The heating efficiency of heat pump type air conditioner decreases as the outside temperature becomes lower. If the capacity of air conditioner for heating is not sufficient, please use other heating device.

#### Time required until the room temperature increases

A heat type air conditioner circulates warm air to warm the entire room, so it takes a while to rise up the room temperature. It is recommended to start operation earlier on a very cold day.

#### When room temperature adjusting device operates during heating

If room temperature rises and the room temperature adjusting device is activated, the airflow becomes automatically low. When the room temperature drops, it switched back automatically to the normal operation.

## AUTO RESTART <WIRED REMOTE CONTROL>

### NOTICE

An auto restart function, which is disabled at the factory setting, is applicable to the remote control. Consult your dealer.

#### What is auto restart

When a power failure occurs or the power supply is turned off, the function allows the system to automatically resume operation with the remote control setting made set before the power failure when the power supply recovers. If the system is stopped before power failure it remains stopped after the power recover.

Note that in the following cases it is needed to set again with the remote control.

- Timer setting is cancelled. But the sleep timer recovers after power failure recovers. When recovering from a power failure, holiday setting will override the weekly timer setting. And time setting returns to default. To return to original setting, after time setting, execute .
- Louver stops at the horizontal position.

### CAUTION

Make sure to stop the operation before turning off the power supply when the auto restart function is enabled. (If the power supply is turned off while the system is operating, the indoor unit fan will start immediately when the power supply is turned on. In addition, the outdoor unit starts operating 3 minutes after the power supply is turned on.)

## SETTING TO DISABLE BUTTON OPERATION <Wired remote control>

### NOTICE

The following button operations can be disabled. If the button is pressed, is displayed indicating that the button is disabled, and the original display returns. Consult your dealer for setting.

- button
- TEMP button
- LOUVER button
- MODE button
- FAN SPEED button
- TIMER button

## INSTALLATION, RELOCATION, AND INSPECTION MAINTENANCE

Please observe the following points in order to use the air conditioner in a safe and comfortable manner.

Make sure to request your dealer for installation, and do not attempt to do by yourself.

### INSTALLATION LOCATION

Is the system installed in a well-ventilated place?

Are there any obstacles? If so, it leads to the decrease of the efficiency and the increase of operation noise.

Avoid the place where cool/warm air and operation noise cause problems to your neighbors.

### ELECTRICAL WORK

**Caution : Make sure to perform grounding work**

Do not connect the ground wire to any gas pipe, water pipe, or wires of lightning conductors and telephones. If the ground work is not good, it may lead to electric shock.

**Caution : A leakage breaker is necessary depending on the installation environment.**

If it is not mounted there, it may lead to electric shock.

Only qualified specialists of electrical and grounding work can do these works according to .

Is the wiring designated for the air conditioner?

Is the remote control mounted correctly?

- In the case of exposed wiring, is the wiring fixed with the attached screw?
- Is the attached remote control clamps used for fixing the remote control cord?
- Is the remote control mounted at a height where children cannot reach?

### RELOCATION

**Warning : Make sure to consult a dealer or specialist if it is required to relocate and reinstall the air conditioning system.**

If the air conditioning system is installed incorrectly, water leakage, electric shock and/or fire may occur. Note that an installation fee will be charged for relocation and installation.

### INSPECTION MAINTENANCE

Normally the efficiency of the air conditioning system will become lower after a while, because dirt accumulates inside the system. This occurs gradually in around 3 years of use, depending on the condition of use and surrounding environment. It is thus necessary to conduct inspection maintenance in addition to regular maintenance. We recommend you to consult the dealer from whom you purchased the system and make a contract for periodical inspection. (charged).

## OPERATION RANGE

### CAUTION

Please use the system in the following operation range. If the system is operated outside this range, the protection controls may be activated to prevent malfunction.

Condition Operation	Room temperature	Temperature outside the room	Humidity inside the room
Cooling operation Dry operation	Approximately 21 to 32°C	Approximately -5 to 43°C	Approximately 80% or less Long operation under high humidity may leads to waterdrop or smoky vapor at the supply air grille.
	Long continuous operation under approximately 21°C may lead to malfunction due to dewfall		
Heating operation	Approximately 27°C or less	Approximately -10 to 21°C If outside air temperature becomes low, the heating efficiency is lowered and the heating becomes difficult.	

(Note) Operation range may differ depending on models. Please check the catalog.













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