OPERATION MANUAL

AIR CONDITIONER
Wall-mounted type



MODEL: (CG Series)_____

*Write down the model name.
(Refer to the rating label.)

Before using this product, read these instructions thoroughly and keep this manual for future reference.

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FUJITSU GENERAL LIMITED

PART No. 9385302037-01

1. SAFETY PRECAUTIONS

To prevent personal injury or property damage, read this section carefully before you use this product, and be sure to comply with the following safety precautions.
Incorrect operation due to failure to follow the instructions may cause harm or damage, the seriousness of which is classified as follows:

⚠WARNING
This mark warns of death or serious injury.

⚠CAUTION
This mark warns of injury or damage to property.

⃠	This mark denotes an action that is PROHIBITED.
❗	This mark denotes an action that is COMPULSORY.

⚠WARNING

❗ COMPULSORY

- This product contains no user-serviceable parts. Always consult authorized service personnel for repairing, installation, and relocation of this product. Improper installation or handling will cause leakage, electric shock, or fire.
- In the event of a malfunction, such as a burning smell, immediately stop the operation of the air conditioner, and disconnect all the power supply by turning off the electrical breaker or disconnecting the power plug.
  Then consult authorized service personnel.
- Take care not to damage the power supply cable. If it is damaged, it should be replaced only by authorized service personnel in order to avoid a hazard.
- If a refrigerant leakage is suspected, all naked flames shall be removed or extinguished, and consult authorized service personnel.
- In the event of a thunderstorm or any prior sign of a lightning strike, turn off the air conditioner via the remote controller, and refrain from touching the product or the power source to prevent any electrical hazards.
- This product shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- This product shall be stored in a well-ventilated area.
- Be aware that refrigerants may not contain an odour.
- This product shall be stored so as to prevent mechanical damage from occurring.
- Disposing of the product shall be done properly, in compliance with national or regional regulations.
- During transportation or relocation of the indoor unit, pipes shall be covered with the wall hook bracket for protection. Do not move this product by holding the indoor unit pipes. (The stress applied to the pipe joints may cause the flammable gas to leak during operation).
- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of this product by a person responsible for their safety. Children should be supervised to ensure that they do not play with this product.
- Dispose of the packing materials safely. Tear and dispose of the plastic packing bags so that children cannot play with them. There is danger of suffocation if children play with the original plastic bags.

⃠ PROHIBITED

- Do not install the unit in area filled with mineral oil such as a factory or area containing a large amount of splashed oil or steam such as a kitchen.
- Do not start or stop the operation of this product by inserting or pulling out the power plug, or by turning on or off the circuit breaker.
- Do not use flammable gases near this product.

⚠WARNING

- Do not expose yourself directly to the cooling airflow for many hours.
- Do not insert your fingers or any other objects into outlet port or inlet port.
- Do not operate with wet hands.
- Do not use means to clean this product, other than those recommended by the manufacturer.
- Do not pierce or burn..

⚠CAUTION

COMPULSORY

- Provide occasional ventilation during use.
- Before cleaning this product, be sure to turn it off and disconnect all the power supply.
- Always operate this product with air filters installed.
- Ensure that any electronic equipment is at least 1 m (40 in) away from this product.
- Disconnect all the power supply when not using this product for extended periods.
- After a long period of use, ensure to get the mounting of the indoor unit checked to prevent this product from falling down.
- The airflow direction and the room temperature should be carefully considered when you use this product in a room with infants, children, elderly or sick persons.
- Keep the surroundings of the outdoor unit clean and tidy, and do not place items around it. Any objects blocking or entering from the outlet ports may cause product malfunction.

PROHIBITED

- Do not direct the airflow at fireplaces or heating apparatus.
- Do not block or cover the intake grille and the outlet port.
- Do not apply any heavy pressure to radiator fins.
- Do not climb on, place objects on, or hang objects from this product.
- Do not place any other electrical products or household belongings under this product. Dripping condensation from this product might get them wet, and may cause damage or malfunction of your property.
- Do not expose this product directly to water.
- Do not use this product for preservation of food, plants, animals, precision equipment, art work, or other objects. This may cause quality deterioration of those items.
- Do not expose animals or plants to the direct airflow.
- Do not drink the drainage from the air conditioner.
- Do not pull the power supply cable.
- Do not touch the aluminum fins of heat exchanger built-in this product to avoid personal injury when you maintain the unit.
- Do not stand on unstable steps when operating or cleaning this product. It may overturn and can cause injury.

This product contains fluorinated greenhouse gases.

2. PREPARATION

⚠WARNING

COMPULSORY

- Take care to prevent infants and young children from accidentally swallowing the batteries.

⚠CAUTION

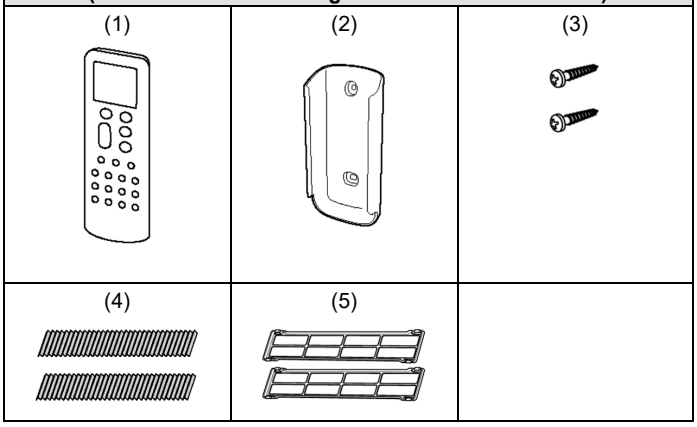
COMPULSORY

- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately rinse with plenty of clean water, and consult your physician.
- Exhausted batteries must be removed immediately and be disposed of according to the local laws and regulations of your region.

PROHIBITED

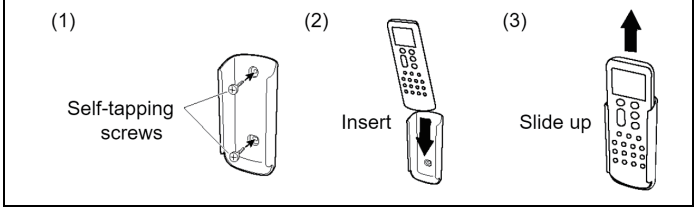
- Do not attempt to recharge dry batteries.
- Do not use dry batteries that have been recharged.

Indoor unit accessories
(Check that the following accessories are included)



(1) Remote controller
(2) Remote controller holder
(3) Self-tapping screws
(4) Air cleaning filters
(5) Air cleaning filter holders

How to use the remote controller holder



3. NAME OF PARTS

⚠CAUTION

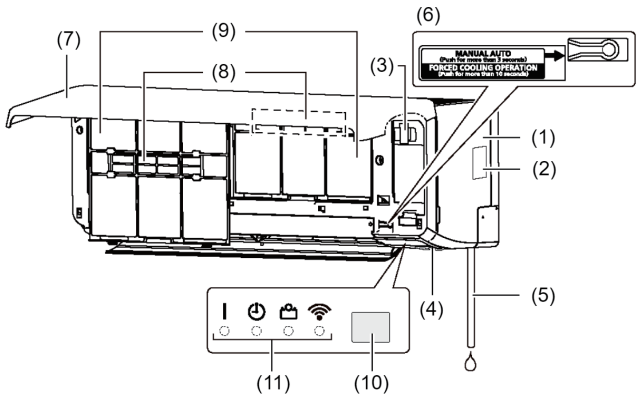
COMPULSORY

For appropriate signal transmission between the remote controller and the indoor unit, keep the signal receiver away from the following items:

- Direct sunlight or other strong lights
- Flat-panel television screen

In rooms with instantaneous fluorescent lights, such as inverter type ones, the signal may not be transmitted properly. In such a case, consult the store of purchase.

3.1. Indoor unit



(1) Front panel
(2) Rating label
(3) WLAN adapter slot
(4) Occupancy sensor (Refer to P.5)
(5) Drain hose
(6) For Manual Auto operation and Filter indicator reset (Refer to P.10)
(7) Intake grille
Before starting operation, make sure that the intake grille is closed completely. Incomplete closing may affect the proper function or performance of the product.
(8) Air cleaning filter
(9) Air filter
(10) Remote controller signal receiver

(11) Indicator lamps

Indicator lamps light in the following conditions

	Name	Color	Operation or condition
	Operation	Green	Normal operation
	Timer	Orange	Timer operation
	Economy	Green	Economy operation
	WLAN	Orange	Wireless LAN control is active.(optional)

3.2. Remote controller

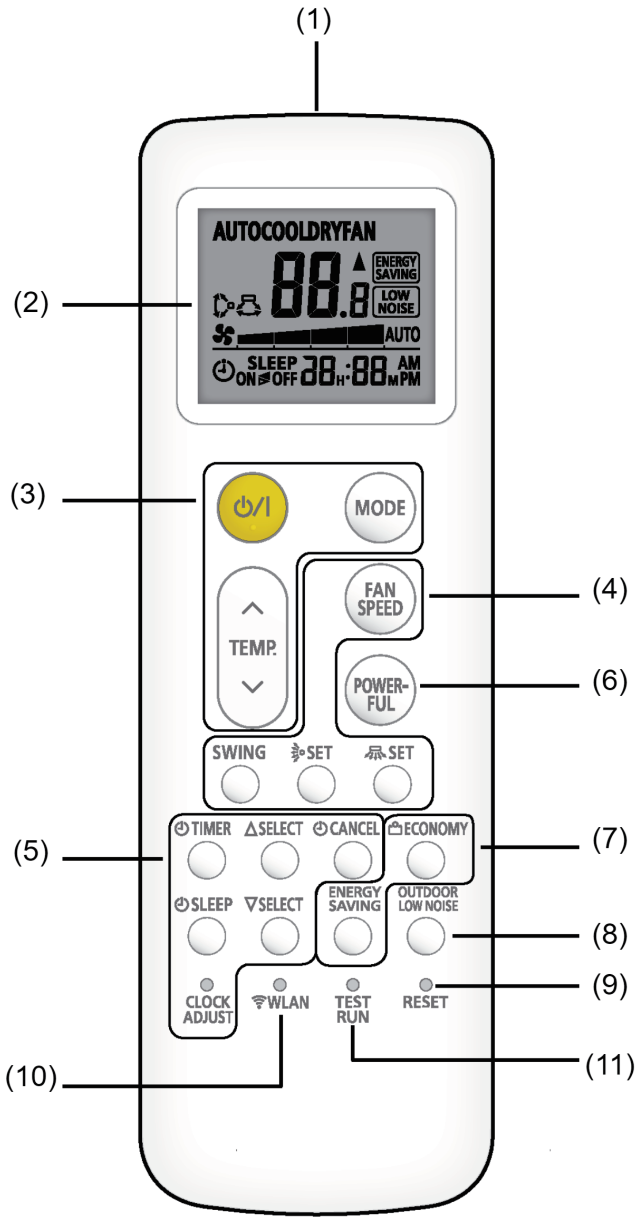
⚠CAUTION

COMPULSORY

- To prevent malfunction or damage of the remote controller:
  - Place remote controller at where will not be exposed to direct sunlight or excessive heat.
  - Remove batteries if the product is not going to be used for an extended period.
- Obstacles such as a curtain or wall between the remote controller and the indoor unit may affect the appropriate signal transmission.

PROHIBITED

- Do not apply strong shocks to the remote controller.
- Do not pour water on the remote controller.



(1) Signal transmitter

Aim at the signal receiver of the indoor unit properly.

- Operating range is approximately 7 m.
- "▲" will appear when the signal is transmitted.
- The indoor unit will emit a beep when it receives the signal properly. If there is no beep, press the button again.

(2) Remote controller display

In this section, all the possible indicators are displayed for description. In actual operation, the display is linked with the button operation, and only shows the necessary indicators for each setting.

In the text, the indicator is enclosed in " " and is shown as follows.

Example: For LOW NOISE indicators

Display on remote controller screen	Indication in the text
LOW NOISE	"LOW NOISE"

(3) For Basic operations.(Refer to P.4)

⏻/I	Starts or stops the air conditioner operation.
MODE	Changes the operation mode.(*1)(*2)
TEMP.	Adjusts the setting temperature.(*1)(*2)

(4) For Airflow settings(Refer to P.4)

FAN SPEED	Controls the fan speed.(*1)(*2)
SWING	Sets the automatic Swing operation.(*1)(*2)
SET	Controls the up/down airflow direction.(*2)
SET	Controls the left/right airflow direction.(*2)

(5) For Timer operations(Refer to P.5)

TIMER	Sets the timer setting.(*1)(*2)
SLEEP	Sets the Sleep timer(*1)
CANCEL	Cancels the timer setting.
△SELECT ▽SELECT	Adjusts the value of the timer or clock settings.
CLOCK ADJUST	Starts the clock setting. Refer to "How to press the button inside the hole" when pressing this button.

(6) For Powerful operation(Refer to P.6)

POWER-FUL	Activates or deactivates the Powerful operation.(*2)

(7) For Energy saving operations(Refer to P.5)

ECONOMY	Activates or deactivates the Economy operation.(*2)

(7) For Energy saving operations(Refer to P.5)	
ENERGY SAVING	Activates or deactivates the Energy saving program that uses the occupancy sensor.

(8) For Outdoor Unit Low Noise operation(Refer to P.6)	
OUTDOOR LOW NOISE	Activates or deactivates the Outdoor Unit Low Noise operation.

(9) After replacing batteries(Refer to P.4)	
RESET	Press this button after replacing the batteries. Refer to “How to press the button inside the hole” when pressing this button.

(10)For Wireless LAN control(Refer to P.8)	
WLAN	Starts the Wireless LAN setting. Refer to “How to press the button inside the hole” when pressing this button.

(11) Do not press this button in normal use.
It starts the test run (for use by authorized service personnel only). **NOTE** : If the test run starts unintentionally, press [⏻/I] button to quit the test run.

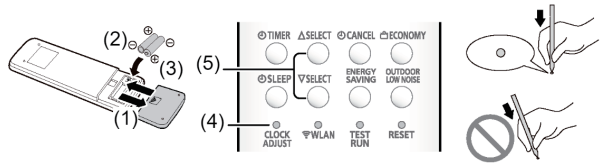
How to press the button inside the hole
Press this button as shown in the following figure. Use a tip of a ballpoint pen or other small object. 

*1: The setting must be done while the setting screen is displayed for each function.

*2: The button is controllable only when the air conditioner is operating.

3.3. Inserting batteries

Battery type: R03/LR03/AAA x 2



(1) ～ (3) Put batteries as shown in the figure above.

(4) Press [CLOCKADJUST] button as shown in the figure above. Use the tip of a ballpoint pen or another small object.

(5) Press [SELECT(△▽)] button to set the clock.
Press the buttons to change the clock by a minute.
Press down the buttons to change the clock by 10 minutes.
* By pressing [TEMP.(∧∨)] button, the time indicator can be changed from a 24-hour to a 12-hour clock.

(6) Press [CLOCKADJUST] button as shown in the figure above.
Be close to the indoor unit. If you press the button from a distance, settings may not be properly sent.

NOTES :

- Use the specified type of batteries only.
- Do not mix different types or new and used batteries together.
- Batteries can be used for about 1 year in ordinary use.
- If the remote control range noticeably shortens, replace the batteries, and press [RESET] button as shown in the figure above.

4. BASIC OPERATIONS

■ 3 steps to start operation

(1) Press [⏻/I] button to start or stop the operation.

(2) Press [MODE] button to select the operation mode.
The operation mode changes as follows.

AUTO (*1) → COOL (*2) → DRY (*3) → FAN (*4)

No.	*1	*2	*3	*4
Mode	Auto	Cool	Dry	Fan

(3) Press [TEMP.(∧∨)] button to set the desired temperature.
The temperature changes by 0.5°C increments.

Temperature setting range	
Auto/Cooling/Dry	18.0°C to 35.0°C

NOTES :

- In the Cooling or Dry mode, set the temperature lower than the current room temperature.
- In the Fan mode, temperature control is not available.
- In the following situation, the setting temperature will be 24ºC even if you set the setting temperature lower than 24ºC.
  - When changing the operation mode
  - When stopping the operation once, then restart the operation
- When you change the setting temperature higher than 24 ºC, the changed setting temperature will be saved.

■ Temperature unit switching

(1) Press [⏻/I] button until return to the original display.

(2) Press and hold [TEMP.(∧∨)] button for more than 5 seconds.
The current temperature unit will be displayed. (Factory setting: °C)

(3) Press [TEMP.(∧∨)] button to switch the temperature unit. (°C ⇔ °F)

(4) Press [⏻/I] button to finish the setting.
If you do not press the button for 30 seconds, the displayed temperature unit will be set.

5. AIRFLOW SETTINGS

5.1. Fan speed setting

- Press [FAN SPEED] button to control the fan speed.
  The fan speed changes as follows.

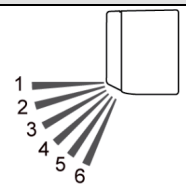
(*1) → (*2) → (*3) → (*4) → AUTO (*5)

No.	*1	*2	*3	*4	*5
Fan speed	Quiet	Low	Med	High	Auto

When “**AUTO**” is selected, the fan speed depends on the operating condition.

5.2. Airflow direction setting

■ Up/down airflow direction setting

Airflow direction range	Operation
	• Press [SET] button to adjust the up/down airflow direction. • Press [SWING] button to start or stop the Swing operation.(*1) *1: The Swing operation may stop temporarily when the indoor unit fan is rotating at a very low speed or is stopped.

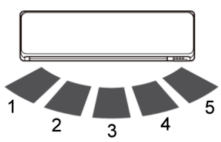
The Up/down airflow direction changes range as follows.

Operation mode	Set	Swing
Cooling, Dry	1 ⇄ 2 ⇄ 3 ⇄ 4	1 ⇔ 4
Fan	1 ⇄ 2 ⇄ 3 ⇄ 4 ⇄ 5 ⇄ 6	1 ⇔ 4 or 3 ⇔ 6 (*1)

*1: The Swing operation range depends on the airflow direction set before the Swing operation.

NOTES :
• Do not adjust the louvers by hand.
• In the Auto mode, the airflow direction stays at position 1 for a while from the start of the operation.

■ Left/right airflow direction setting

Airflow direction range	Operation
	• Press [SET] button to adjust the Left/right airflow direction. • Press [SWING] button to start or stop the Swing operation.

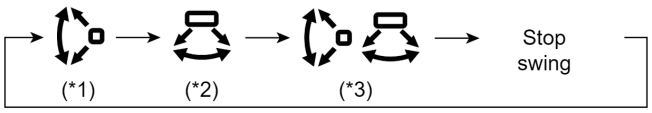
The Left/right airflow direction changes range as follows.

Set	Swing
1 ⇄ 2 ⇄ 3 ⇄ 4 ⇄ 5	1 ⇔ 5

NOTE : In the Auto mode operation, you cannot change the airflow direction for a while from the start of the operation.

■ Swing operation setting

Press [SWING] button to start/stop the Swing operation.
The swing operation will change as follows:



No.	Operation mode
*1	Up/down
*2	Left/right
*3	Up/down,left/right

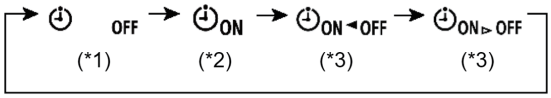
NOTE : The Swing operation may stop temporarily when the indoor unit fan is rotating at very low speed or is stopped

6. TIMER OPERATIONS

NOTE : When "⏲" indicator on the indoor unit blinks, set the clock and timer again. This blinking shows that the internal clock go wrong due to an interruption of the power supply. (Refer to P.8)

■ Timer setting procedure

(1) Press [⏲TIMER] button to choose timer operation.
Each time you press the button, the timer operation will change as follows:



No.	Timer mode	Description
*1	Off timer	Stops the operation at your desired time.
*2	On timer	Starts the operation at your desired time.
*3	Program timer	Operates as a combination of the On timer and Off timer.

- To cancel the timer setting during the procedure, press [⏲CANCEL] button.
- To set the Sleep timer, press [⏲SLEEP] button. (Refer to P.5.)

(2) Set each timer operation.
For details, refer to the following instructions of each timer setting.

6.1. On timer or Off timer

(1) Select On timer or Off timer in step 1 of "Timer setting procedure."
(2) Press [SELECT(△▽)] button to set on time or off time.
Pressing the button: The time will change by +5/-5 minutes.
Pressing and hold the button: The time will change by +10/-10 minutes.
• To deactivate the On timer or Off timer, press [⏲CANCEL] button while "⏲ON" or "⏲OFF" is shown on the remote controller display.
The indicator will disappear.
NOTE: When you set the setting temperature lower than 24 ºC and activate the On timer, the setting temperature will be changed at 24 ºC. You can change the setting temperature.

6.2. Program timer

(1) Set On timer and Off timer. (Refer to P.5).
(2) Select Program timer in step 2 of "Timer setting procedure".
The timer whose setting time is closer to the current time works first.
The order of the timer operation is displayed as follows:

Timer	Indicator on the remote controller display
On→Off timer	⏲ON►OFF
Off→On timer	⏲ON◄OFF

NOTES :

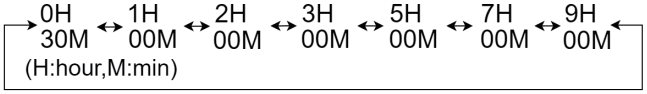
- You can set the Program timer only within a span of 24 hours.
- When you set the setting temperature lower than 24 ºC and activate the On timer, the setting temperature will be changed at 24 ºC. You can change the setting temperature.

6.3. Sleep timer

The Sleep timer supports your comfortable sleep by moderating the air conditioner operation gradually.
After the set time has elapsed, the air conditioner operation turns off .

(1) Press [⏲SLEEP] button.
"⏲" indicator on the indoor unit will turn on.
(2) Press [SELECT(△▽)] button to set the time until the operation stops.

Each time you press the button, the time changes as follows:



- To deactivate the Sleep timer, press [⏲CANCEL] button while "⏲SLEEP" is shown on the remote controller display.
The indicator will disappear.

7. ENERGY SAVING OPERATIONS

7.1. Economy operation

It saves more electricity than other operation modes by changing the set temperature to a moderate setting.

- Press [ECONOMY] button to activate/deactivate the Economy operation.
"" indicator on the indoor unit will turn on.

Operation mode	Room temperature
Cooling/Dry	Few degrees higher than the set temperature

NOTES :

- In the Cooling mode, the maximum output of this operation is approximately 70 % of usual operation.
- This operation cannot be performed during the temperature monitoring by the Auto mode.

7.2. Occupancy sensor for energy saving

⚠WARNING

PROHIBITED

Do not use this function when there are only infants, children, elderly, or sick persons in the room.

⚠CAUTION

PROHIBITED

- Do not use this function in server rooms or other places where there is no one in the room.
- Do not place large objects near the occupancy sensor.
Also keep heating units outside the sensor's detection area.

When no one is in the room, the air conditioner operates moderately to prevent waste of electricity.
(This function is activated at the time of purchase.)

- To change the setting, press [ENERGYSAVING] button.
- While the Energy Saving program is activated, "ENERGYSAVING" on the remote controller display will turn on.

NOTES :

- The following operations will override the Energy Saving program.
  - Sleep timer operation
  - The Energy Saving program may not work when the room temperature is very different from the set temperature, such as when immediately after starting the operation.
- The Energy Saving program may not work when the room temperature is very different from the set temperature, such as when immediately after starting the operation.

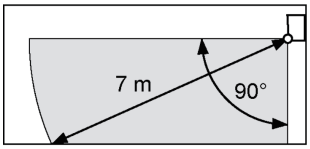
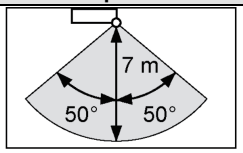
■ Details on Energy Saving program

The occupancy sensor on the indoor unit detects movement of people.
If there is no one in the room for approximately 20 minutes, the temperature will be adjusted moderately.
When someone comes back into the room, the air conditioner revert to the original settings.

Operation mode	Room temperature (When there is no one there)
Cooling/ Dry	Higher than the set temperature (Max. +2˚C)

Operation mode	Room temperature (When there is no one there)
Auto	Depending on the operating mode (Cooling/Dry).

Detection range of Occupancy sensor

Side view	Top view
	

NOTE: Since Occupancy sensor detects infrared light given out by people, the detection may be incorrect in the following situations.

Situations in which the sensor may detect no one in the room, even when there is someone there:

- When the room temperature is high and the difference with people's body temperature is small. (Such as when the temperature is 30˚C or higher in summer.)
- When someone in the room do not move for a long time.
- When someone is hidden behind a sofa, other furniture, glass, or in similar situations.
- When someone is wearing extremely thick clothing and turn their backs on the sensor.

Situations in which the sensor may detect people in the room, even when there is no one there

- When there is a dog or a cat moving around in the room.
- When wind is moving curtains or plants.
- When heating units, humidifiers, or electric appliances such as oscillating electric fans are operating.

7.3. Fan control for energy saving

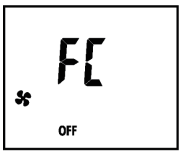
In the Cooling operation, when the room temperature reaches the set temperature, the indoor unit fan rotates intermittently to save power. (This function is activated at the time of purchase.)

To change the setting, use the following steps;

(1) Press [⏻/I] button until only the clock is displayed on the remote controller display.

(2) Press and hold [FAN SPEED] button for more than 5 seconds.

The current Fan Control status "FC" is displayed.



(3) Press [TEMP.(∧∨)] button to switch between activated "ON" or deactivated "OFF".

(4) Press [⏻/I] button to send the setting to the indoor unit.

The display will return to the original screen.

NOTE : If you do not press any buttons for 30 seconds after "FC" is displayed, "FC" will turn off. In this case, repeat the setting from step 2.

8. OTHER OPERATIONS

8.1. Powerful operation

In the Powerful operation, the air conditioner will operate at maximum power and strong airflow to cool down the room quickly.

- Press [POWERFUL] button to activate/deactivate the Powerful operation.

  When activated, the indoor unit will emit 2 short beeps.

  When deactivated, the indoor unit will emit 1 short beep.

The Powerful operation will be turned off automatically in the following situations:

- The Powerful operation runs for a certain amount of time and the room temperature reaches the set temperature in the Cooling, Dry mode.
- 20 minutes after the Powerful operation has started.

NOTES:

- The airflow direction and the fan speed are controlled automatically.
- The Powerful operation cannot be performed simultaneously with Economy operation.
- The Powerful operation overrides the following operations. If the following operations are set, they will start after the Powerful operation finishes.

  - Outdoor Unit Low Noise operation
  - Energy Saving program

- If the wired remote controller (optional) is connected, this function is restricted.

8.2. Outdoor Unit Low Noise operation

The Outdoor Unit Low Noise operation lowers noise from the outdoor unit. During this operation, the rotation number of the compressor decreases and the outdoor unit fan rotates slowly.

NOTE : In the multi-split connection, this function cannot be used.

- Press [OUTDOOR LOW NOISE] button to activate/deactivate the Outdoor Unit Low Noise operation.

  While the Outdoor Unit Low Noise operation is activated, "LOW NOISE" on the remote controller is displayed.

  The setting is preserved even if the air conditioner is turned off.

NOTES :

- This operation cannot be performed simultaneously with the Fan mode, Dry mode, and Powerful operation.
- If the wired remote controller (optional) is connected, this function is restricted.

9. SETTINGS ON INSTALLATION

9.1. Remote controller custom code setting

By setting custom code of indoor unit and remote controller, you can specify the air conditioner which the remote controller controls.
When two or more air conditioners are in the room and you wish to operate them separately, set the custom code (4 selections possible).

NOTE : If custom codes is different between the indoor unit and the remote controller, the indoor unit cannot receive a signal from the remote controller.

How to set the remote controller custom code

(1) Press [⏻/I] button until only the clock is displayed on the remote controller display.

(2) Press and hold [MODE] button for more than 5 seconds.

The current custom code will displayed (initially set to A).

(3) Press [TEMP.(∧∨)] button to change the custom code between A (A) ↔ B (b) ↔ C (C) ↔ D (d).

* Match the custom code on the display to the air conditioner custom code.



(4) Press [MODE] button again.

The custom code will be set.

The display will return to the clock display.

- To change the air conditioner custom code, contact an authorized service personnel (initially set to A).
- If you do not press any buttons for 30 seconds after the custom code is displayed, the display returns to the clock display. In this case, repeat the setting from step 2.
- Depending on the remote controller, the custom code may return to A when replacing the batteries. In this case, reset the custom code as necessary. If you do not know the air conditioner custom code, try each code until you find the code which operates the air conditioner.

10. CLEANING AND CARE

⚠CAUTION

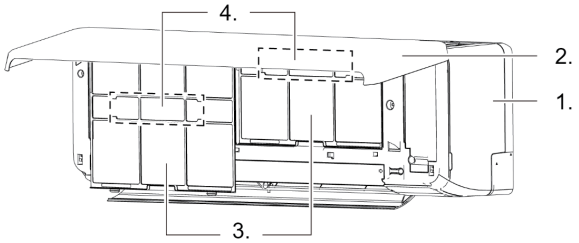
COMPULSORY

- Before cleaning this product, be sure to turn it off and disconnect all the power supply.
- Before starting operation, make sure that the intake grille has been shut completely. Incomplete closing of the intake grille might have an effect on the proper working or performance of the air conditioner.
- If the filter cleaning involves high-place work, consult authorized service personnel.

PROHIBITED

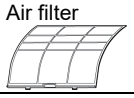
- Do not touch the aluminum fins of heat exchanger built-in the indoor unit to avoid personal injury when you maintain the unit.
- Do not expose the indoor unit to liquid insecticides or hair sprays.

⚠CAUTION
• Do not stand on slippery, uneven or unstable surfaces when you maintain the unit.



The frequency of the cleaning is as shown in the following table.

■ Frequencies at which the components are to be maintained

Name of parts		Frequency	
		Cleaning	Replacing
1.	Indoor unit body	When you notice	-
2.	intake grille	When you notice	-
3.	Air filter 	Every 2 weeks	-
4.	Air cleaning filter (*1) • PM2.5 filter(White) • UTR-FA16-4 	-	Every 6 months

*1: The air cleaning filters are sold separately. When you replace them, contact the store of purchase.

■ Cleaning indoor unit body

NOTES :

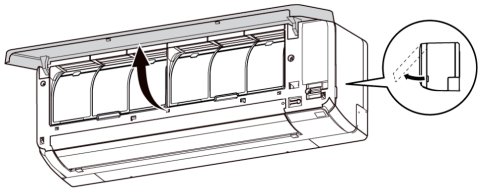
- Do not use water hotter than 40°C.
- Do not use scouring cleanser, volatile solvents such as benzene or thinner.

(1) Wipe the indoor unit body gently with a soft cloth moistened with warm water.

(2) Wipe the indoor unit body gently with a dry and soft cloth.

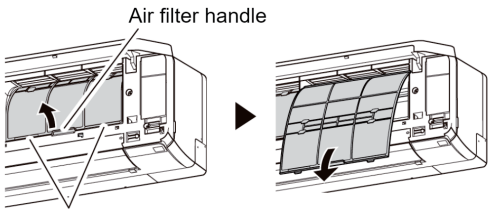
■ Cleaning air filter

(1) Open the intake grille.



(2) Remove the air filters.

Lift up the air filters' handle, disconnect the two lower tabs, and pull out.



(3) Remove the dust in either of the following ways.
- Cleaning with a vacuum cleaner.
- Washing with mild detergent and warm water. After washing, dry the air filters thoroughly in the shade.

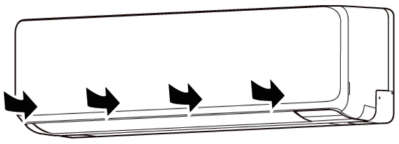
(4) Replace the air filters.

Align the sides of the air filter with the panel, and push in fully.

Make sure that the two lower tabs are returned to their holes in the indoor unit properly.

(5) Close the intake grille.

Press 4 places on the intake grille to close it completely.



NOTE: If dirt accumulates on the air filter, airflow will be reduced, operating efficiency will lower, and the noise will increase.

■ Replacing air cleaning filters

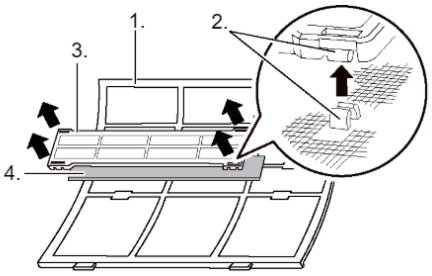
NOTES :

- For the frequencies at which the air cleaning filters are to be replaced. (Refer to P.7)
- Use an air cleaning filter as soon as possible after opening the package. The air cleaning effect decreases when the filters are left in the opened package.

(1) Remove the air filters from indoor unit body. Refer to steps 1 ~ 2 of “Cleaning air filter”.

(2) Remove the air cleaning filter holder and air cleaning filter from the air filter.

Remove the 4 hooks of the air cleaning filter holder from the latches of the air filter.



1. Air filter
2. Hook and Latch (4places)
3. Air cleaning filter holder
4. Air cleaning filter

(3) Place a new air cleaning filter on top of the air filter.

(4) Engage the latches of the air filter with the hooks of the air cleaning filter holder.

NOTE : Make sure that the air cleaning filter is within the air cleaning filter holder.

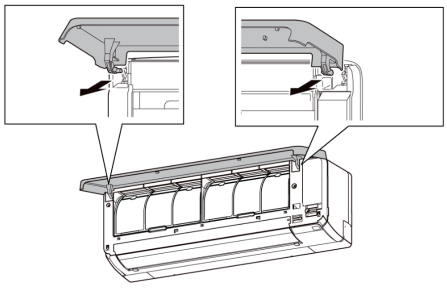
(5) Attach the air filter to the indoor unit body and close the intake grille. Refer to steps 4 ~ 5 of “Cleaning air filter”.

■ Removing and installing intake grille

● Removing intake grille

(1) Open the intake grille.

(2) Pull the mounting shafts while keeping the intake grille in a horizontal position.



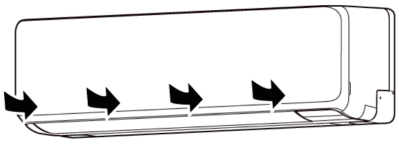
● Installing intake grille

(1) While holding the intake grille horizontal, set the left and right mounting shafts into the pillow blocks at the top of the front panel.

Insert the shaft until it snaps to latch each shaft properly.

(2) Close the intake grille.

Press 4 places on the intake grille to close it completely.



■ When not using for an extended period

When suspending use of the air conditioner after using the Cooling or Dry mode, perform Fan mode for half a day to dry the internal parts thoroughly. Moisture left inside the indoor unit may cause mold.

■ Additional inspection

After a long period of use, accumulated dust inside the indoor unit may reduce the performance even if you have maintained the unit properly.
In such a case, a product inspection is recommended.
For more information, consult authorized service personnel.

■ Filter indicator reset (Special setting)

This function can be used if set correctly during installation. Consult authorized service personnel in order to use this function.

- Clean the air filter when the indicator lamp shows the following:

Indicator lamp	Blinking pattern
	Blinks 3 times, at intervals of 21 seconds

After cleaning, reset the filter indicator by pushing on the indoor unit for 2 seconds or less.

11. GENERAL INFORMATION

■ Auto restart function

In event of power interruption such as a blackout, the air conditioner stops once. But it restarts automatically and performs previous operation when the power supply is resumed.
If any power interruption occurs after the timer is set, counting down of the timer will be reset.
After the power supply is resumed, "" indicator on the indoor unit blinks to notify you that there has been a timer fault. In such a case, reset the clock and timer settings.

■ Malfunctions caused by other electrical devices

Use of other electrical appliances such as an electric shaver or nearby use of a wireless radio transmitter may cause the malfunction of the air conditioner.
If you encounter such a malfunction, turn off the circuit breaker once. Then turn it on again, and resume operation by using the remote controller.

■ Operable conditions of temperature and humidity

Permissible ranges of temperature and humidity are as follows:

Indoor temperature	Cooling/Dry	[°C]	18 to 35
Outdoor temperature	Cooling/Dry	[°C]	18 to 55
Indoor humidity		[%]	80 or less (*1)

- *1: If the air conditioner is used continuously for many hours, water may condense on the surface and drip.
- If the unit is operated under the conditions except the permissible temperature range, the air conditioner operation may stop because of the automatic protection circuit working.
- Depending on the operating conditions, the heat exchanger may freeze, causing water leakage or other malfunction (in the Cooling or Dry mode).

■ Other information

- Do not use the air conditioner for any purpose other than room cooling/dry, or fan.

12. OPTIONAL PARTS

12.1. Wired remote controller

The optional wired remote controller can be used.

You can use wired and wireless remote controller together.

However, some functions of the wireless remote controller are restricted.
If you set the restricted functions, beeping will be heard, " | ", "", "", and "" indicator on the indoor unit will blink.

<Restricted functions for wireless remote controller>

When using together with wired remote controller (2-wired type)

- Powerful operation
- Outdoor Unit Low Noise operation

You can use wired remote controller and wireless LAN control (optional).

However, some operations from the mobile app are restricted.

Group control

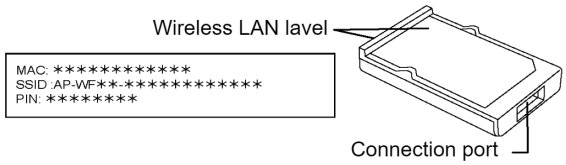
One remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings.

NOTES :

- Be sure to deactivate the Energy saving program (Occupancy sensor) of the wireless remote controller when you use the group control. Otherwise you cannot operate the air conditioner by the wireless remote controller.
- You cannot use group control and wireless LAN control together.

12.2. Wireless LAN control

NOTE : If you use the external input/output (optional), the wireless LAN control cannot be used.
To use the wireless LAN control, the WLAN adapter and mobile app is necessary.
For how to operate the mobile app, refer to the operation manual of the mobile app.
Write down the SSID and the PIN code to the following table.



Information on WLAN adapter

SSID	
PIN	

Google Play is a registered trademark of Google LLC.
App store is a service mark of Apple Inc., registered in the U.S. and other countries.

■ Setting to use wireless LAN control

Step 1. Mobile app installation

(1) Open "Google Play" or "App Store" depending on the type of your smartphone or tablet PC.
(2) Search for "FGLair".
(3) Install the application software (mobile app) following the instructions on your screen.

NOTE : If you cannot find the application software (mobile app), it is currently not available in your region.

Step 2. User registration

(1) Open the installed mobile app.
(2) Register the user (with either a smartphone or tablet PC) by following the instructions in the create an account section of the mobile app.

Step 3. Installing WLAN adapter

⚠CAUTION

COMPULSORY

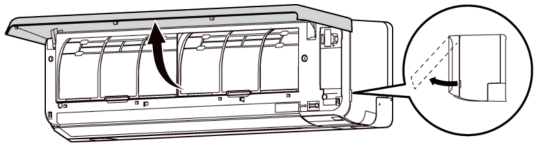
- Be sure to turn off the power supply of the air conditioner when installing or removing this product to avoid the risk of electric shock.

PROHIBITED

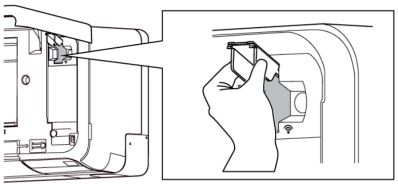
- Do not put fingers, sticks etc. in the connection part of the this product and the connection slot of the indoor unit.
  Otherwise, electric shock or damage to this product may occur.
- Do not standing on an unstable platform when installing or removing the this product to avoid injury.

(1) Be sure to turn air conditioner off and disconnect all the power supplies.

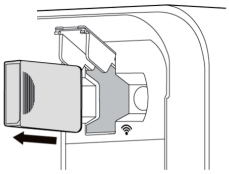
(2) Open the intake grille.



(3) Open the WLAN adapter cover until it snaps.



(4) Plug the WLAN adapter into the connection slot of the indoor unit in the direction as shown in the figure.



(5) Close the WLAN adapter cover and the intake grille.

Step 4. Air conditioner registration (pairing of WLAN adapter)

NOTES :

- Before starting this setting, reconnect the power supply of the air conditioner and wait for 60 seconds or more.
- Check that the smartphone or tablet PC is linked to the access point you are connecting the air conditioner. The setting will not work if it is not connected to the same access point.
- To control 2 or more air conditioners with the same smartphone or tablet PC, repeat the setup of the chosen mode.

When the registration is completed, "((ᯤ))" indicator on the indoor unit will turn on.

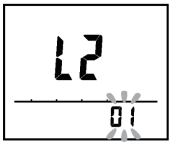
● For reference

<Manual connection>

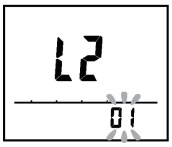
Setting procedure of the remote controller

NOTE : If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

(1) Press [ᯤWLAN] button 2 times. "L2" will be displayed on the remote controller display.



(2) Select "01" using [TEMP.(∧∨)] button on the remote controller.



(3) Press [⏻/I] button.

The indoor unit enters Manual connection and "((ᯤ))" indicator on the indoor unit will blink.

NOTE :If the registration is not be finished in several minutes, Manual connection is canceled and "((ᯤ))" indicator turns off .

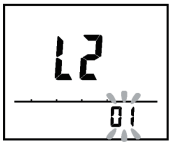
In this case, repeat the remote controller setting.

<Easy connection>

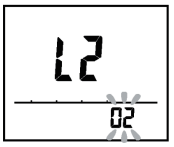
Setting procedure of the remote controller:

NOTE : If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

(1) Press [ᯤWLAN] button 2 times. "L2" will be displayed on the remote controller display.



(2) Select "02" using [TEMP.(∧∨)] button on the remote controller.



(3) Press [⏻/I] button.

The indoor unit enters Easy connection and "((ᯤ))" indicator on the indoor unit will blink (on/off =1 s/1 s).

When the WLAN adapter find a connectable access point, the blinking will become slowly (on/off = 2 s/0.5 s).

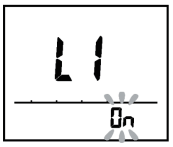
NOTE :If the connection to the access point is not be finished in several minutes, Easy connection is canceled and "((ᯤ))" turns off .

In this case, repeat the remote controller setting.

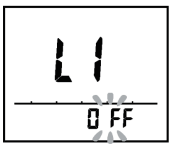
■ Temporary deactivation of wireless LAN

NOTE : If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

(1) Press [ᯤWLAN] button. "L1" will be displayed on the remote controller display.



(2) Select "OFF" using [TEMP.(∧∨)] button on the remote controller. *



(3) Press [⏻/I] button.

"((ᯤ))" indicator on the indoor unit will turn off.

* If you want to activate wireless LAN again, select "ON" in step 2.

■ Initialization (reset)

Initialize (reset) this product in the following situations:

- Changing the wireless router
- Disposing this product
- Transferring this product to a third party

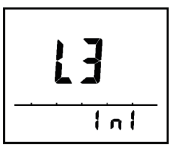
Unregister the air conditioner

Unregister the air conditioner by using the mobile app. (Refer to the operation manual of the mobile app for details.)

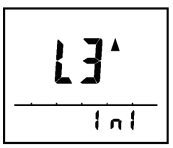
Initialization of the WLAN adapter

NOTE : If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

(1) Press [ᯤWLAN] button. "L3" will be displayed on the remote controller display.



(2) Press and hold [⏻/I] button for more than 5 seconds. "((ᯤ))" indicator on the indoor unit will turn off after blinking fast.



To continue use

If you or third party wishes to continue use of the product, follow the procedures in "Air conditioner registration (pairing of WLAN adapter)" to reconnect to a different access point.

NOTE : Wireless LAN setup is not possible if the previous owner did not unregister or initialize this product. In this case, contact authorized service personnel.

13. TROUBLESHOOTING

⚠WARNING

COMPULSORY

In the following events, immediately stop operation of the air conditioner, and disconnect all the power supply by turning off the electrical breaker or disconnecting the power plug. Then consult your dealer or authorized service personnel.

As long as the unit is connected to the power supply, it is not insulated from the power supply even if the unit is turned off .

- Unit smells of something burning or emits smoke
- Water leaks from the unit

Does not operate at all.

- **Has there been a power outage?**
  In this case, the unit restarts automatically after the power supply is resumed. (Refer to P.8)
- **Has the circuit breaker been turned off?**
  →Turn on the circuit breaker.
- **Has a fuse blown out or the circuit breaker been tripped?**
  →Replace the fuse or reset the circuit breaker.
- **Is the timer operating?**
  →To check or deactivate the timer setting.(Refer to P.5)

Poor cooling or heating performance.

- **Is the unit operating under the conditions except the permissible temperature range?**
  In this case, the air conditioner may stop because of the automatic protection circuit working.
- **Is the air filter dirty?**
  →Clean the air filter. (Refer to P.7)
- **Is the intake grille or outlet port of indoor unit blocked?**
  →Remove the obstructions.
- **Is the room temperature adjusted appropriately?**
  →To change the temperature setting.(Refer to P.4)
- **Is a window or door left opened?**
  →Close the window or the door.
- **Is the fan speed set to Quiet?**
  →To change the fan speed.(Refer to P.4)
- **Has the Outdoor Unit Low Noise operation been set?**
  To stop the Outdoor Unit Low Noise operation.(Refer to P.6)
- **<In the Cooling mode> Is direct or strong sunlight shining into the room?**
  →Close the curtains.
- **<In the Cooling mode> Are there other heating appliance or computers operating, or too many people in the room?**
  →Turn the heating appliance or computers off, or set the temperature lower.(Refer to P.4)
- The setting temperature may change to the initial setting (24ºC) automatically. In this case, set the temperature again. (Refer to P.4)

Airflow is weak or stops.

- **Is the fan speed set to Quiet?**
  → To change the fan speed.(Refer to P.4)
- **Has the Fan Control for Energy Saving set? In this case, the indoor unit fan may stop temporarily while the Cooling operation.**
  → To cancel the Fan control for energy saving.(Refer to P.6)
- <In the Dry mode> The indoor unit operates at low fan speed to adjust the room humidity, and may stop from time to time.
- <In the Auto mode> While the monitoring operation, the fan rotates at very low speed.

Noise is heard.

- **Is the unit operating, or immediate after stopping operation?**
  In this case, refrigerant flowing sound may be heard. It may be particularly noticeable for 2-3 minutes after starting operation.
- **Do you hear a slight squeaking sound during the operation?**
  This sound is produced by the minute expansion and contraction of the front panel caused by temperature change.

Smell coming from the unit.

- The air conditioner may absorb various smells generated from interior textile, furniture, or cigarette smoke. These smells may be emitted during the operation.

Mist or steam is emitted from the unit.

- <In the Cooling or Dry mode> A thin mist may be generated by condensation formed with sudden cooling process.)

The unit operates differently from the remote controller setting.

- **Are the batteries in the remote controller exhausted?**
  → Replace the batteries.
- You cannot use group control and wireless LAN control together.

Operation is delayed after restart

- **Has the power supply turned from Off to On suddenly?**
  In this case, the compressor will not operate for about 3 minutes to prevent a blowout of the fuse.

Immediately stop operation and turn off the electrical breaker in following cases. Then consult authorized service personnel.

- The problem persists even if you perform these checks or diagnostics.
- On the indoor unit, " | " and "⏲" blink while "⚠" is blinking fast.

NOTE : For any troubleshooting related to the WLAN control, refer to the setting manual for WLAN adapter or the mobile app installed in your smartphone or tablet PC.

■ State of indicator lamps

: The instruction is relating to the wireless LAN control(optional).

Lighting pattern:

Blinking	Any state	On	Off
✳	—	●	○

State	Causes and solutions
(3 times)	Filter indicator → Clean the air filter and reset the filter sign. (Refer to P.8)
(Fast)	Error code display →Check the error code and consult authorized service personnel. (Refer to P.10)
	Timer setting error because of Auto restart → Reset the clock and timer settings. (Refer to P.8)
	Test run operation (for authorized personnel only) → Press [⏻/I] button to quit the test run.
(Slow)	• The power to the access point is not on. → Check that the power to the access point is on. • There is a possibility that the WLAN adapter is not properly connected to the wireless router. → Disconnect the power supply to the air conditioner (via breaker or plug), and then re-connect.(Refer to P.8)
	• The software of the WLAN adapter is being updated. • During the air conditioner registration (pairing of WLAN adapter)(Refer to P.8)
	Restricted function (Refer to P.8)

■ Manual Auto operation and Filter indicator reset

You can operate the air conditioner with ▭ button on the indoor unit.

Status	Time to keep pressing	Mode or operation
In operation	More than 3 seconds	Stop
Stopping	2 seconds or less	Filter indicator reset
Stopping	More than 3 seconds and less than 10 seconds	Auto
Stopping	More than 10 seconds (Only for servicing.)(*1)	Forced cooling

*1: To stop the forced cooling, press this button or [⏻/I] button on the remote controller.

■ Service check

If " | " and "⏲" blink while "⚠" is blinking fast on the indoor unit, check the error code. The error code is 2-digit numbers or characters.

(1) Press [TEST RUN] button.

The remote controller will enter the Service check mode and "▬▬" will be shown.



(2) Press [SELECT(△▽)] button to change the shown error code.

By pressing and holding, the error code changes by every 0.5 second.

The indoor unit emits 1 short beep each time the error code changes.

When the corresponding error code is shown, the indoor unit emits multiple beeps, and all the indicator lamps on the indoor unit blink.



(Max. 2 min/cycle)

The characters used for error code					
A	A	C	C	F	F
J	J	P	P	U	U

To finish the Service check mode, press [⏻/I] button.

The remote controller will return to the original display.

Tell the error code to authorized service personnel when consulting them.

If the indoor unit emits multiple beeps at "00", no error is detected.

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