

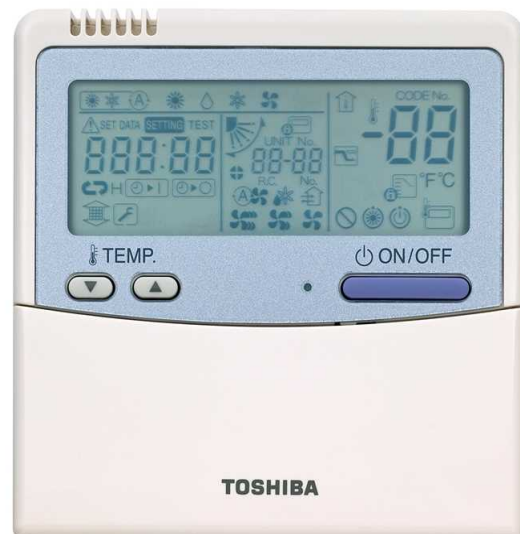


TOSHIBA
Leading Innovation >>>



Model name: RBC-AMT32-E

Standard Hard Wired Remote Controller



PARTS NAME OF REMOTE CONTROLLER

This remote controller can control the operation of up to 8 indoor units.

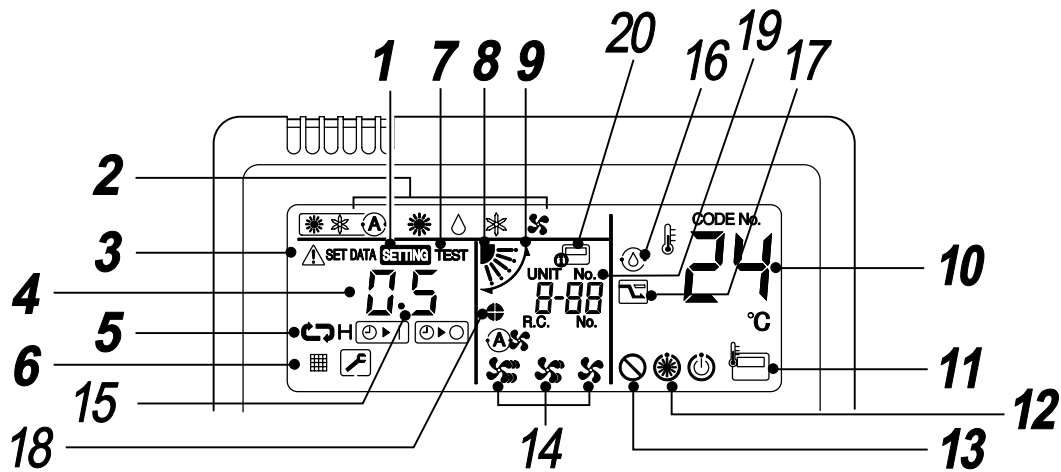
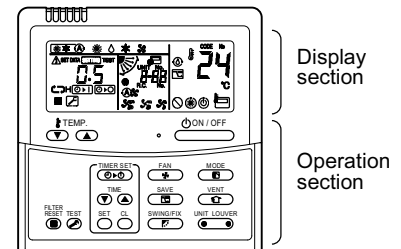
■ Display section

In the display example, all indicators are displayed for the explanation.

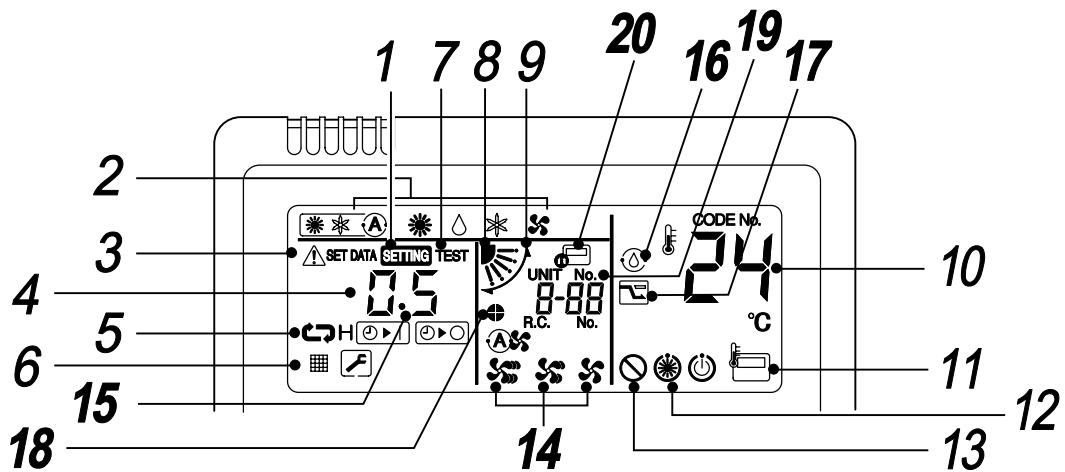
In reality only, the selected contents are indicated.

- When turning on the leak breaker at the first time, **SETTING** flashes on the display part of the remote controller.
- While this display is flashing, the model is being automatically confirmed.

Accordingly, wait for a while after **SETTING** display has disappeared, and then use the remote controller.



- 1 SETTING display**
Displayed during setup of the timer etc..
- 2 Operation mode select display**
The selected operation mode is displayed.
- 3 CHECK display**
Displayed while the protective device works or a trouble occurs.
- 4 Timer time display**
Time of the timer is displayed.
(When a trouble occurs, the check code is displayed.)
- 5 Timer SET IN setup display**
When pushing the Timer SET IN button, the display of the timer is selected in order of [OFF] → [OFF] repeat OFF timer → [ON] → No display.
- 6 Filter display**
If "FILTER " is displayed, clean the air filter.
- 7 TEST run display**
Displayed during a test run.
- 8 Louver position display**
Displays louver position.
- 9 SWING display**
Displayed during up/down movement of the louver.
- 10 Set up temperature display**
The selected set up temp. is displayed.
- 11 Remote controller sensor display**
Displayed while the sensor of the remote controller is used.
- 12 PRE-HEAT display**
Displayed when the heating operation starts or defrost operation is carried out.
While this indication is displayed, the indoor fan stops.
- 13 No function display**
Displayed if there is no function even if the button is pushed.



14 Air volume select display
 The selected air volume mode is displayed.

(AUTO)	
(HIGH)	
(MED.)	
(LOW)	

15 Louver Number display.
 (exapmle:01, 02, 03, 04)

16 Dry operation in self cleaning function
 Displayed during dry operation in self cleaning function.

17 Power saving mode display
 Displayed during capacity saving mode by temporary peak-cut limiting the power current level of the outdoor unit.

18 Louver lock display
 Displayed when there is a louver-locked unit in the group (including 1 indoor unit by 1 outdoor unit).

19 Unit Number display
 Unit number of the indoor unit selected with the unit select button or abnormal indicate the indoor/outdoor unit.

20 Central control display
 Displayed when the air conditioner is used under the central control in combination with a central control remote controller.


In case the remote controller is disabled by the central control system, flashes. The button operation is not accepted.

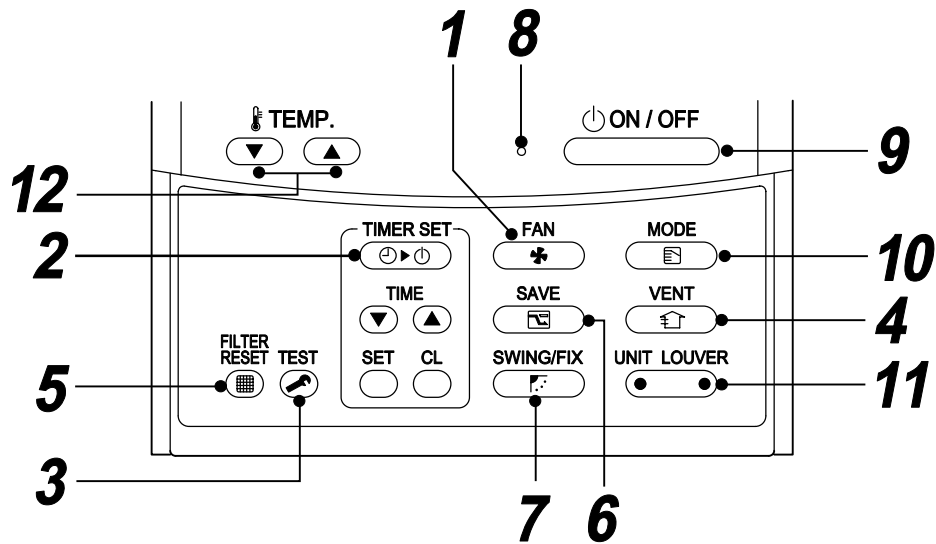
Even when you push ON/OFF, MODE, or TEMP. button, and the button operation is not accepted.


(Settings made by the remote controller vary with the central control mode. For details, refer to the Owner's Manual of the central control remote controller.)


■ Operation section


Push each button to select a desired operation.


- The details of the operation needs to be set up once, afterward, the air conditioner can be used by pushing  button only.




1  **button (Air volume select button)**
Selects the desired air volume mode.


2  **button (Timer set button)**
TIMER SET button is used when the timer is set up.


3  **button (Check button)**
The CHECK button is used for the check operation. During normal operation, do not use this button.

4  **button (Ventilation button)**
Ventilation button is used when a fan which is sold on the market is connected.


- If “No function  ” is displayed on the remote controller when pushing the Ventilation button, a fan is not connected.


5  **button (Filter reset button)**
Resets (Erases) “FILTER  ” display.


6  **button (Power save operation)**
SAVE button is used for power save operation.

7  **button (Swing/Wind direction button)**
Selects automatic swing or setting the louver direction.

8 **Operation lamp**
Lamp is lit during the operation. Lamp is off when stopped.
Although it flashes when operating the protection device or abnormal time.




9  **button**
When the button is pushed, the operation starts, and it stops by pushing the button again. When the operation has stopped, the operation lamp and all the displays disappear.

10  **button (Operation select button)**
Selects desired operation mode.

11  **button (Unit/Louver select button)**
Selects a unit number (left) and louver number (right).

UNIT:
Selects an indoor unit when adjusting wind direction when multiple indoor units are controlled with one remote controller.

LOUVER:
Selects a louver when setting louver lock or wind direction adjustment independently.

12  **button (Set up temperature button)**
Adjusts the room temperature.
Set the desired set temperature by pushing  TEMP. .


OPTION :

Remote controller sensor

Usually the TEMP. sensor of the indoor unit senses the temperature. The temperature on the surrounding of the remote controller can also be sensed.

For details, contact the dealer from which you have purchased the air conditioner.

CORRECT USAGE


- When you use the air conditioner for the first time or when you change the SET DATA value, follow the procedure below. From the next time, the operation displayed on the remote controller will start by pushing the  button only.

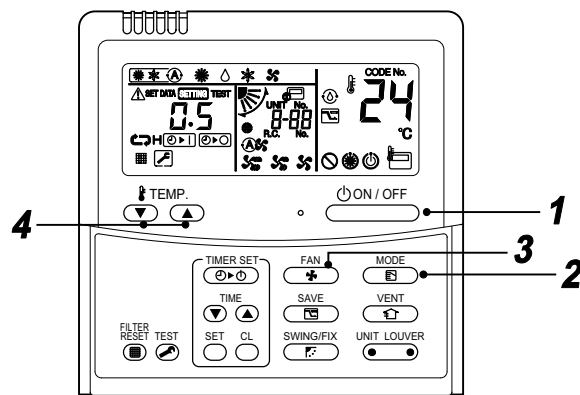
■ Preparation

Turn on the main power switch and/or the leakage breaker.



- When the power supply is turned on, a partition line is displayed on the display part of the remote controller.
- After the power supply is turned on, the remote controller does not accept an operation for approx. 1 minute, but it is not a failure.

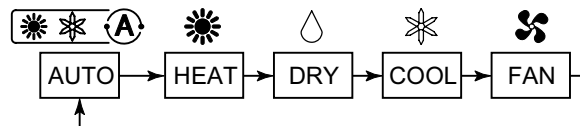
REQUIREMENT


- While using the air conditioner, operate it only with  button without turning off the main power switch and the leak breaker.
- When you use the air conditioner after it has not been used for a long period, turn on the leakage breaker at least 12 hours before starting operation.



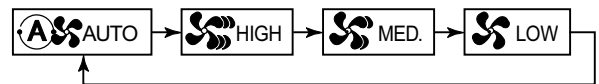
Start






- 1 Push  button.**
The operation lamp goes on, and the operation starts.
- 2 Select an operation mode with the "MODE  " button.**
One push of the button, and the display changes in the order shown as follows.





- 3 Select air volume with "  " button.**


One push of the button, and the display changes in the order shown as follows.



- When air volume is "  AUTO", air volume differs according to the room temperature.
- In heating operation, if the room temperature is not heated sufficiently with VOLUME "  LOW" operation, select "  MED." or "  HIGH" operation.
- The temperature sensor senses temperature near the suction air port of the indoor unit, which differs from the room temperature depending on the installation condition.
A value of setting temperature is the measure of room temperature.
("AUTO  " is not selectable in the FAN mode.)

- 4 Determine the set up temperature by pushing the "TEMP.  " or "TEMP.  " button.**

Stop

- Push  button.
The operation lamp goes off, and the operation stops.
In the COOL, DRY, or AUTO (cooling) mode, the fan runs for 10 minutes (or more) for self cleaning.


In case of automatic operation (Auto Changeover)

- Because of some settings change, it will automatically select either cooling, heating, or fan only operation depending on the indoor temperature.
- If the Auto mode is uncomfortable, you can select the desired conditions manually.

In case of cooling

- Start the cooling operation after approx. 1 minute.

In case of heating

- The heating operation mode is selected in accordance with the room temperature and operation starts after approximately 3 to 5 minutes.
- After the heating operation has stopped, FAN operation may continue for approx. 30 seconds.
- When the room temperature reaches the set temperature and the outdoor unit stops, the super low wind is discharged and the air volume decreases excessively.
During defrost operation, the fan stops so that cool air is not discharged. ("HEAT READY  " is displayed.)
- When the room temperature has reached the set temperature while the outdoor unit is stopping, the indoor unit discharges wind with a very small air volume.

NOTE**When restarting the operation after stop**



- When restarting the operation immediately after stop, the air conditioner does not operate for approx. 3 minutes to protect the machine.

■ 8°C OPERATION (For object pre-heating) (SM110 and SM140 types only)


The air conditioner can control the heating temperature to about 8°C in the heating mode.

The 8°C heating operation requires settings with the wired remote controller. Ask the installer or dealer for the settings according to the installation manual of the indoor unit.

Start

1. Set the displayed temperature to 18°C in the heating mode by pushing TEMP.  button.
2. Set the displayed temperature to 8°C by pushing TEMP.  button for at least four seconds.



Stop

1. Set the displayed temperature to 18°C by pushing TEMP.  button.
 - The air conditioner returns to the normal HEAT mode. Select a desired temperature and operation mode.

 CAUTION

Do not keep the louver position horizontally in the 8°C heating operation, since the heating performance degrades.

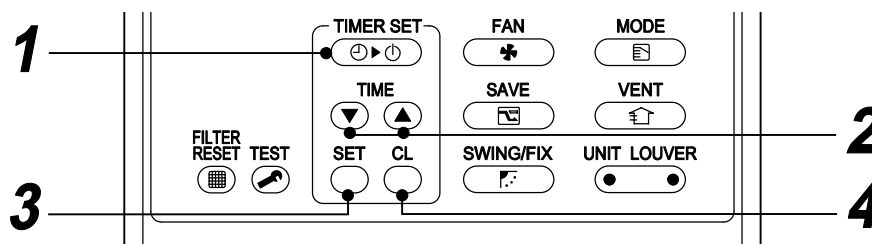
NOTE

- The discharged air temperature is lower than that in the normal heating operation.
- The room temperature may not be heated evenly depending on the remote controller installation location.
- The room temperature may not reach 8°C depending on the room size or the installation conditions.
- Settings for air volume and wind direction (swing, etc.) are available during the 8°C heating operation.
The 8°C heating operation is cancelled in the following cases.
 - When operation is stopped with  button
 - When another operation mode is selected with  button
 - When temperature setting or operation mode is changed or operation is started/stopped by the wireless remote controller or the central control remote controller.
- If one or more models other than the 4-way air discharge cassette type (4 series) are connected in the same control group, the 8°C heating operation is not available.

TIMER OPERATION

- A type of timer operation can be selected from the following three types. (Setting of up to 168 hours is enabled.)
 - OFF timer : The operation stops when the time of timer has reached the set time.
 - Repeat OFF timer : Every time, the operation stops after the set time has passed.
 - ON timer : The operation starts when the time of timer has reached the set time.

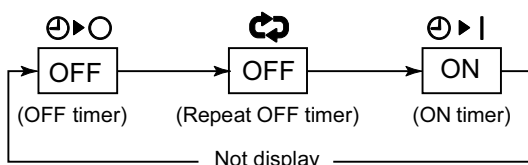
■ Timer operation



Set

1 Push TIMER SET button.

The timer display (type) changes for every push of the button.



- SETTING** and timer time displays flash.

2 Push **TIME** to select "SET TIME".

- For every push of **▲** button, the set time increases in the unit of 0.5 hr (30 minutes). When setting a time more than 24 hours for timer operation, timer time can be set in the unit of 1 hr. The maximum set time is 168hr (7 days). The remote controller displays the set time with time (between 0.5 and 23.5 hours) (*1) or number of days and time (24 hours or more) (*2) as shown below.
- For every push of **▼** button, the set time decreases in the unit of 0.5 hr (30 minutes) (0.5 to 23.5 hours) or 1 hr (24 to 168 hours).

Example of remote controller display

- In the case of 23.5 hours (*1)



- In the case of 34 hours (*2)



Number of days Time

1d shows 1 day (24 hours).

10h shows 10 hours. (Total 34 hours)

3 Push SET button.

- SETTING** display disappears and timer time display goes on, and **▶|** or **▶○** display flashes. (When ON timer is activated, timer time, ON timer **▶|** are displayed and other displays disappear.)

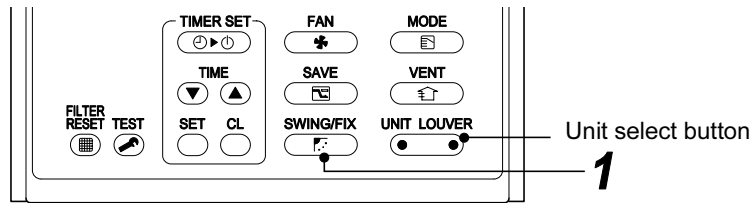
4 Cancel of timer operation

Push **○** button.

TIMER display disappears.

NOTE

- When the operation stops after the timer reached the preset time, the Repeat OFF timer resumes the operation by pushing **ON/OFF** button and stops the operation after the time of the timer has reached the set time.
- When you push **SWING/FIX** while the OFF timer function of the air conditioner is active, the indication of the timer function disappears and then appears again after about 5 seconds. This is due to normal processing of the remote controller.

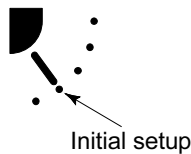


How to set up the wind direction

1 Push **SWING/FIX** during operation.
The wind direction changes for every push of the button.

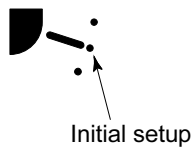
In HEAT operation

Direct the louver (adjustment plate of up/down wind direction) downward. If directing at horizontally, hot air may not come to the foot.



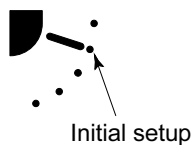
In COOL/DRY operation

Direct the louver (adjustment plate of up/down wind direction) horizontally. If directing it downward, the dew may form on the surface of the air discharge port and may drop down.



In FAN operation

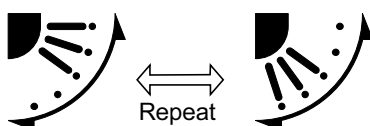
Select a desired wind direction.



How to start swinging

1 Push **SWING/FIX**, set the louver (adjustment plate of up/down wind direction) direction to the lowest position, and then push **SWING/FIX** again.
SWING is displayed and the up/down wind direction is automatically selected.

Display during swinging



How to stop swinging

1 Push **SWING/FIX** at a desired position while the louver is swinging.

- When **SWING/FIX** is pushed after that, wind direction can be set again from the highest position.

* However, even if **SWING/FIX** is pushed while the louver is swinging, the louver position is displayed as follows and highest position of the louver may not be selected.

Display when swinging is stopped



In this case, push **SWING/FIX** again two seconds later.

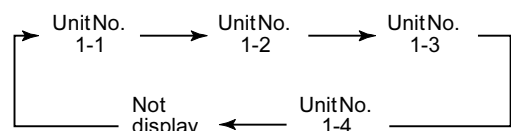
- In COOL/DRY operation, the louver does not stop as it directs downward. If stopping the louver as it directs downward during swing operation, it stops after moving to the third position from the highest position.

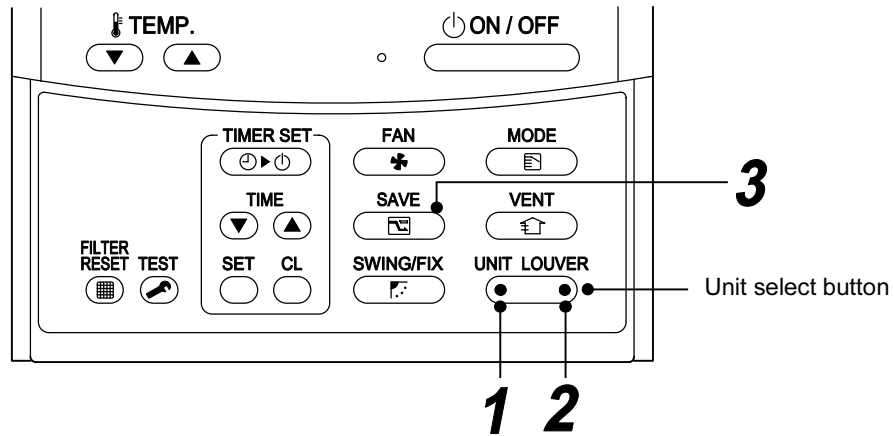
Display when stopping the swing



Unit select button

- When multiple indoor units are controlled with one remote controller, wind direction can be set for each indoor unit by selecting individually.
- To set wind direction individually, push **UNIT LOUVER** button to display an indoor unit number in the control group. Then set the wind direction of the displayed indoor unit.
- When no indoor unit number is displayed, all indoor units in the control group can be controlled simultaneously.
- Each time you push **UNIT LOUVER** button, the display changes as follows:

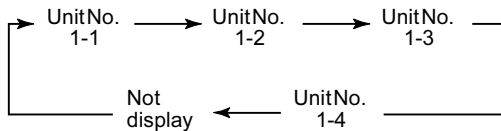




How to set louver wind direction individually

1 Select an indoor unit to be set by pushing **UNIT LOUVER** (left side of the button) during operation.

- The indoor unit number changes each time you push the button.



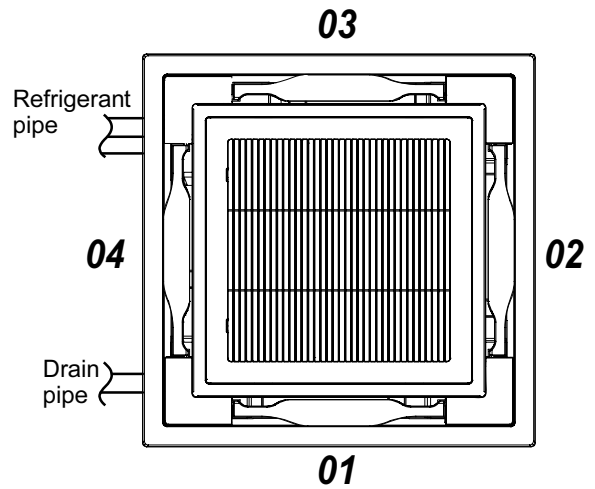
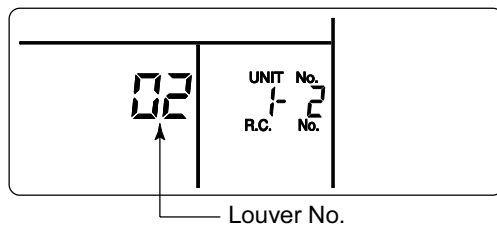
* When no unit number is displayed, all indoor units are selected.

2 Select a louver you want to adjust change by pushing **UNIT LOUVER** (right side of the button).

- Each time you push the button, the display on the left of the remote controller changes as follows:

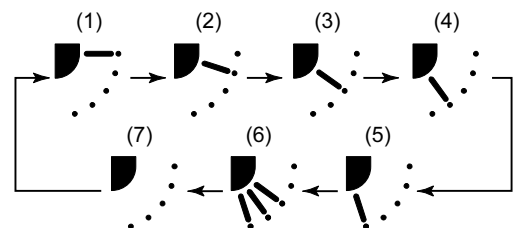


* When no louver number is displayed, all four louvers are selected.



3 Determine wind direction of the selected louver by pushing **SWING/FIX**.


- Each time you push the button, the display changes as follows:



* During COOL (DRY) mode, (4) and (5) are not displayed.

HOW TO ENABLE POWER SAVING MODE

Push  button during operation.

- The air conditioner enters power saving mode.
-  appears on the display.

To cancel the power saving operation, push  button again.

-  disappears.

NOTE

- When other electric appliances are used at the same time, to avoid triggering the circuit breaker, power saving mode is recommended. Of course you can use power saving mode to save energy as well.
- Power saving mode consumes less energy, but may not heat/cool the room as much as normal mode. (The maximum current is limited to approximately 75% (factory setting) of the normal mode.)
- To adjust the power-save settings, see "How to set up power saving mode" in ADVANCED SETTINGS.
- Even when operation start/stop, operation mode change, or power reset is performed during the power saving mode, the power saving mode is retained until the next operation.
- The SM160 type is operated in the "75%" power saving mode.


SELF CLEANING MODE

This function is provided to dry the inside of the indoor unit by the FAN operation after running the cooling/dry/AUTO (cooling) mode to keep the indoor unit clean.


- The self cleaning time varies with the cooling/dry/AUTO (cooling) operation time as follows.

Cooling/dry/AUTO (cooling) operation time	self cleaning time
Less than 10 minutes	No self cleaning operation
10 minutes to less than 1 hour	1 hour
More than 1 hour	2 hours

- "⏻" is displayed on the remote controller during self cleaning operation.

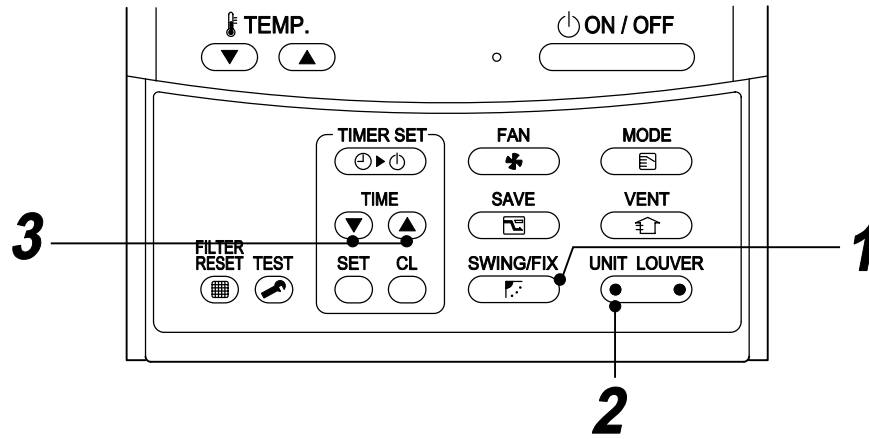
To stop self cleaning forcibly, push  button twice in succession.

CAUTION

- The fan continues to run even after  button is pushed to stop operation in some modes. This is normal because the self cleaning mode is in progress.
- The louvers open slightly and are directed horizontally during self cleaning, and they close when the self cleaning is completed.
- The operation lamp (LED) does not light during the self cleaning mode (function).
- The self cleaning mode (function) cannot clean the room or remove the already existing mold and dust inside the indoor unit.
- To cancel the self cleaning function, consult the dealer.

ADVANCED SETTINGS

How to set up swing type

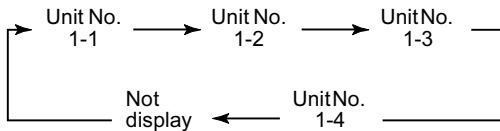


1 Push for at least four seconds when the air conditioner is not working.

- **SETTING**, symbol, and numbers flash.

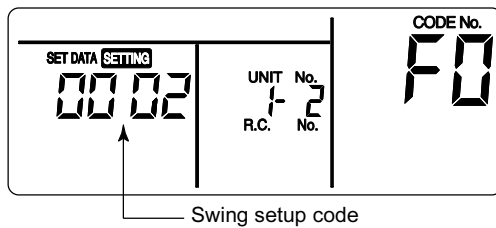
2 Select an indoor unit to be set by pushing (left side of the button).

- Each time you push the button, unit numbers change as follows:



The fan of the selected unit runs and the louvers start swinging.

3 Select a swing type by pushing **TIME** buttons.



Swing setup code	Swing of louvers
0001	Standard swing (Factory shipping)
0002	Dual swing
0003	Cycle swing

• **Standard swing**

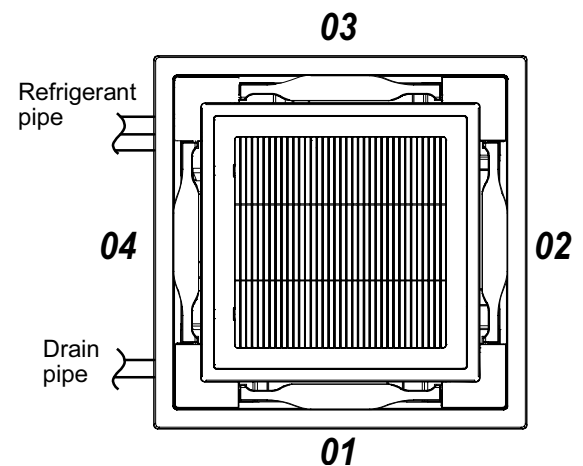
The four louvers swing in the same direction.

• **About "Dual swing"**

"Dual swing" means that louvers **01** and **03** are directed and swing in one direction, and then louvers **02** and **04** are directed and swing in the opposite direction. (When louver **01** is directed downward, louver **02** is directed horizontally.)

• **About "Cycle swing"**

The four louvers swing independently at respective timings.



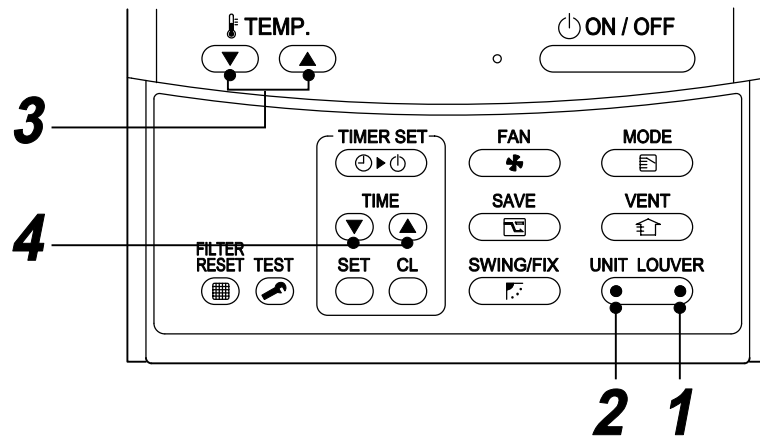
4 Push button.

5 Push button to complete the setting.

CAUTION

- Do not set the swing setup code to "0000". (This setting may cause a failure of the louvers.)

■ How to set up louver lock (No swing)

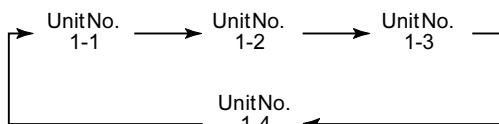


1 Push **UNIT LOUVER** (right side of the button) for at least four seconds when the air conditioner is not working.

- **SETTING**, symbol, and numbers flash.

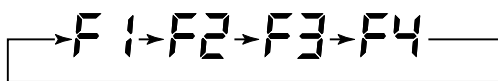
2 Select an indoor unit to be set by pushing **UNIT LOUVER** (left side of the button).

- Each time you push the button, unit numbers change as follows:
The fan of the selected unit runs and the louvers start swinging.

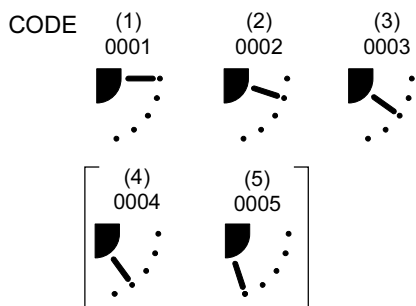


3 Display the number of a louver you want to lock on the temperature display section by pushing **TEMP.** **▼** **▲** buttons.

- The selected louver starts swinging.



4 Select the wind direction of the louver you do not want to swing by pushing **TIME** **▼** **▲** buttons.



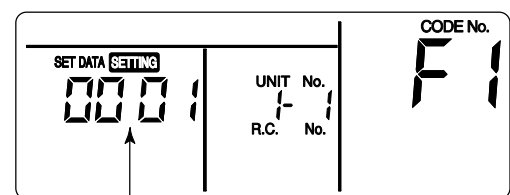
⚠ CAUTION

- When (4) or (5) is selected, dew drop may occur during cooling mode.

5 Determine the setting by pushing **SET** button.

- When the setting has been determined, **+** lights up.
(To continue louver lock settings for other indoor units, repeat from step 2. To continue louver lock settings for other louvers on the same indoor unit, repeat from step 3.)

6 Push **TEST** button to complete the setting.



0001-0005
(Louver lock position code)

- A louver number is displayed as **F1**, **F2** on the remote controller (Item Code), showing that louver **01**, **02** shown in the figure on the previous page is selected.

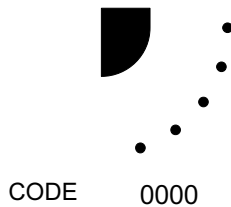
NOTE

Even when louvers are locked, they move temporarily in the following cases:

- While the air conditioner is stopping
- At the beginning of heating operation
- During defrosting operation
- When the room temperature reached the set temperature

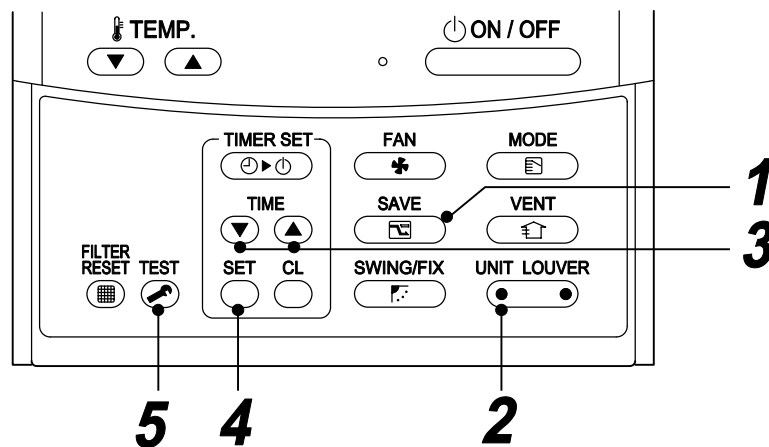
■ How to cancel louver lock

Set the wind direction to "0000" in step 4 of the louver lock setup procedure above.

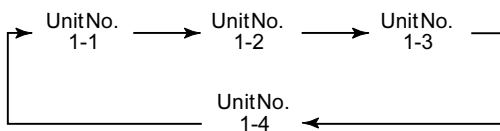


- When the setting is canceled, goes out.
Perform the same operations as steps 1, 2, 3, 5, and 6 above.

■ How to set up power saving mode

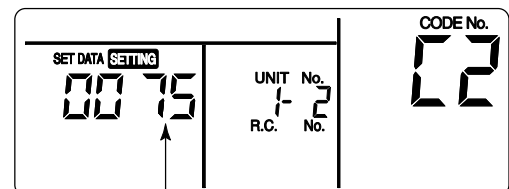


- Push button for at least four seconds when the air conditioner is not working.
 - , symbol, and numbers flash.
- Select an indoor unit to be set by pushing (left side of the button).
 - Each time you push the button, unit numbers change as follows:



The fan of the selected unit runs and the louvers start swinging.

- Adjust the power-save setting by pushing buttons.
 - Each push of the button changes the power level by 1% within the range from 100% to 50%.
 - * The factory setting is 75%.
 - When the air conditioner is connected to the following outdoor unit, the display section of the power saving mode of a remote controller is replaced, but actual power saving operation becomes 75%.
DI (RAV-SM***AT-E)
SDI 2 series (RAV-SP**2AT-E)



Setting of power level in power saving mode

- Push button.
- Push button to complete the setting.

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