



WIRELESS REMOTE CONTROLLER INSTALLATION MANUAL

⚠ WARNING





- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire. 
- Make sure the power supply is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur. 

⚠ CAUTION

- Install a receiver unit where it is not exposed to direct sunrays or intense light from lighting fixtures. 

① Accessories

Please make sure that you have all of the following accessories.

Remoto controller holder	AAA dry cell battery (RO3)	Wood screw for holder	Wireless remote controller
			
1	2	2	1

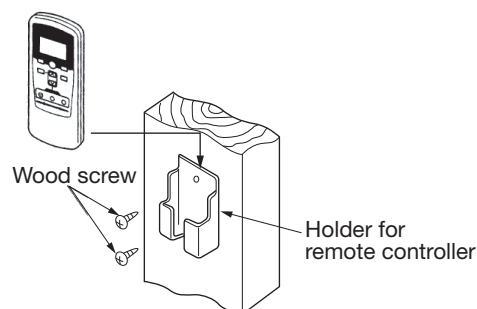
② Installation of the controller holder

⚠ CAUTION DO NOT install it on the following places.

1. Places exposed to direct sunlight
2. Hot surface or cold surface enough to generate condensation
3. Places near heat devices
4. Places exposed to oil mist or steam directly.
5. High humidity places
6. Uneven surface

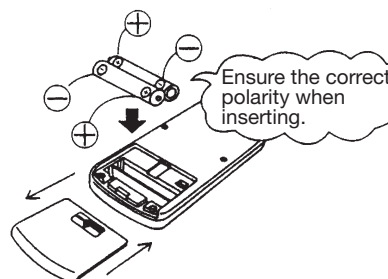
Installation tips for the remote controller holder

- Adjust and keep the holder up right.
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall.



How to insert batteries

- ① Detach the back lid.
- ② Insert the batteries. (two AAA batteries)
- ③ Reattach the back lid.



③ FDEN

Setting on site

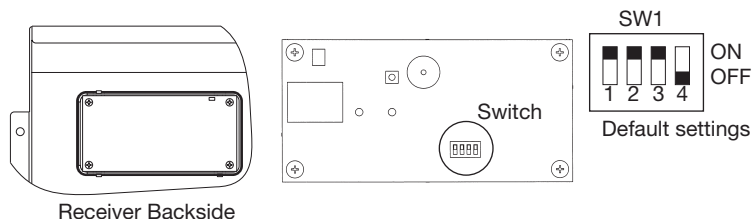
PCB on the receiver has the following switches to set the function.

Default setting is shown with ☐ mark.

SW1	Prevents interference during plural setting	<input type="checkbox"/> ON : Normal (1ch) <input type="checkbox"/> OFF : Customized (2ch)
SW2	Receiver master/slave setting	<input type="checkbox"/> ON : Master <input type="checkbox"/> OFF : Slave
SW3	Buzzer valid/Invalid	<input type="checkbox"/> ON : Valid <input type="checkbox"/> OFF : Invalid
SW4	Auto restart	<input type="checkbox"/> ON : Valid <input type="checkbox"/> OFF : Invalid

To change setting

1. Remove the front panel.
2. Remove four screws located on the back of the receiver and detach the board.
3. Change the setting by the switch on PCB.



4. When switch 1 is turned to off position, change the wireless remote controller setting.
(For the method of changing the setting, refer to [Setting to avoid mixed communication on page 4](#))

Refer to [Wireless remote controller unit operation distance](#) of ③ FDEN in case of plural setting.

Master/Slave setting when using plural remote controllers

Up to two receiver or wired remote controller can be installed in one indoor unit group.

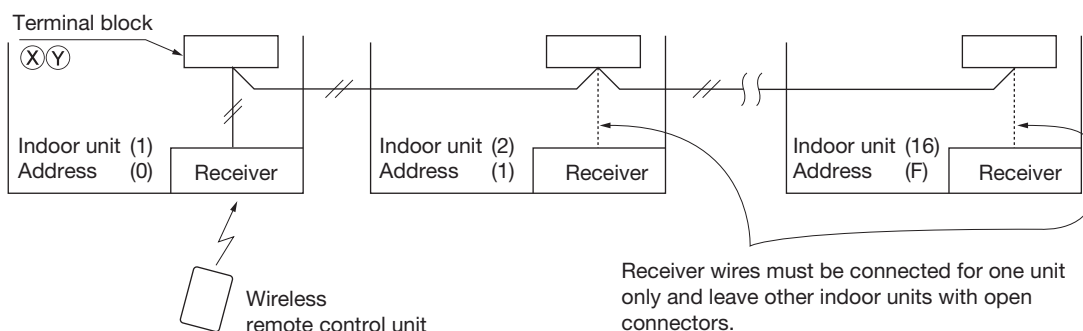
When two receivers or wired remote controller are used, it is necessary to change SW on the PCB to set it as slave.

Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

- ① Connect indoor units with each other with 2-core wires. As for size, refer to the following note.
- ② The receiver wires must be connected only with the indoor unit that will be operated by the remote controller directly.
- ③ Set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire (Maximum total extension 600m.)		
Standard	Within 100m x 0.3	mm ²
	Within 200m x 0.5	mm ²
	Within 300m x 0.75	mm ²
	Within 400m x 1.25	mm ²
	Within 600m x 2.0	mm ²



※ATTENTION

In a system configured as shown above, up to two receivers are usable. If two receivers are used, it is necessary to designate one of them as a slave by setting SW2. (For the method of changing the setting, refer to [Setting on site](#).) Since other receivers are not usable, do not couple the connectors for them. (Unless the connector is coupled for a receiver, the LED will not be able to make any indication)

③ FDEN (continued)

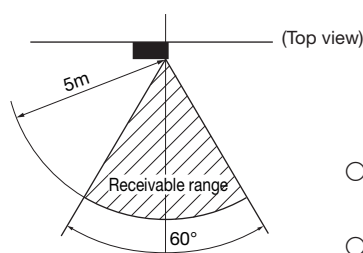
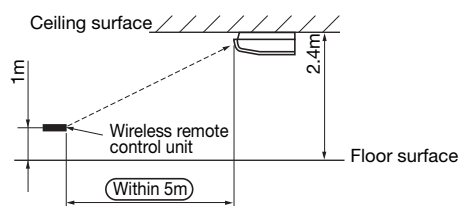
Wireless remote controller unit operation distance

① Standard signal receiving range

[Condition]

Illuminance at the receiver area: 360 lux.

(When no lighting fixture is located within 1m of indoor unit in an ordinary office)



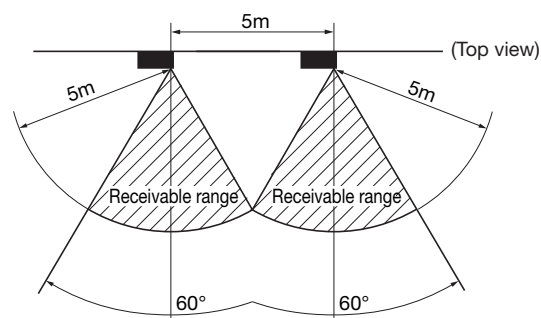
② Points for attention in connecting a plural number of indoor units

[Condition]

Illuminance at the receiver area: 360 lux.

(When no lighting fixture is located within 1m of indoor unit in an ordinary office)

When the remote control unit is used with the aforementioned interference-prevention setting, a minimum distance guaranteeing the prevention of unintended unit responses is 5m.



- Please operate remote control unit switches with the unit faced correctly toward the indoor unit's receiver section.
- Effective operation distance can vary with the luminance around the receiver and the reflection from walls of the room.
- When the receiver is exposed to intensive light such as from the direct sun or a strong light, it may become operable only from a short distance or unable to receive signals at all.

Backup button

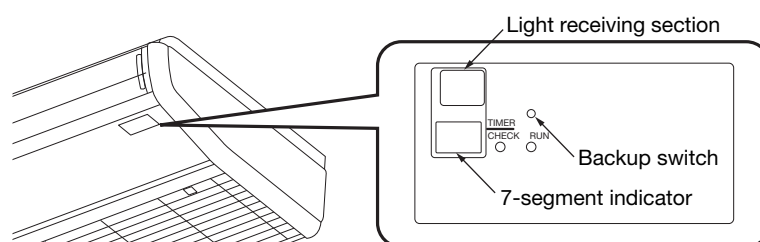
A backup switch is provided on the receiver section of the panel surface.

When operation from the wireless remote control unit is not possible (due to flat batteries, a mislaid unit, a unit failure), you can use it as an emergency means. You should operate this switch manually.

- (1) If pressed while the air conditioner is in a halt, it will cause the air conditioner to start operation in the automatic mode.

Wind speed: Hi fan, Temperature setting: 23°C, Louver: horizontal

- (2) If pressed while the air conditioner is in operation, it will stop the air conditioner.



Cooling test run operation

- After safety confirmation, turn on the power.
 - Transmit a cooling operation command with the wireless remote control unit, while the backup switch on the receiver is depressed.
 - If the backup switch on the receiver is pressed during a test run, it will end the test run.
- ※ If you cannot operate the unit properly during a test run, please check wiring by consulting with inspection guides.

③ FDEN (continued)

How to read the two-digit display

A two-digit indicator (7-segment indicator) is provided on the receiver section.

- (1) An indication will be displayed for one hour after power on.
- (2) An indication appears for 3.5 seconds when a “Stop” command is sent from the wireless remote control unit while the air conditioner is not running.
- (3) An indication appearing in (1) or (2) above will go off as soon as the unit starts operation.
- (4) When there are no error records to indicate, addresses are displayed for all of the connected units.
- (5) When there are some error records remaining, the error records are displayed.
- (6) Error records can be cleared by transmitting a “Stop” command from the wireless remote control unit, while the backup switch is depressed.

④ Remote controller

Setting to avoid mixed communication

Pressing **ACL** and **AIR FLOW** button at the same time or inserting the batteries with pressing **AIR FLOW** button will customize the signal.

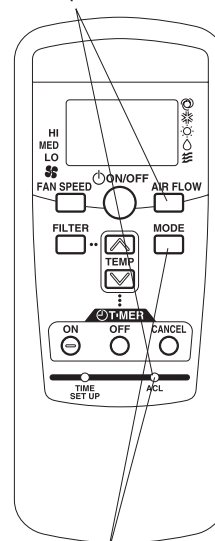
Setting to disable the Auto mode operation

VRF system (except heat recovery 3-pipe system) cannot be operated in Auto mode.

Make sure to set the remote controller for the models so as not to be able to choose Auto mode.

Pushing **ACL** and **MODE** button at the same time or inserting the batteries with pressing **MODE** button will make auto mode operation.

Radio prevention mode



Auto mode operation setting

※ATTENTION

When the batteries are removed, the setting will return to the default setting.

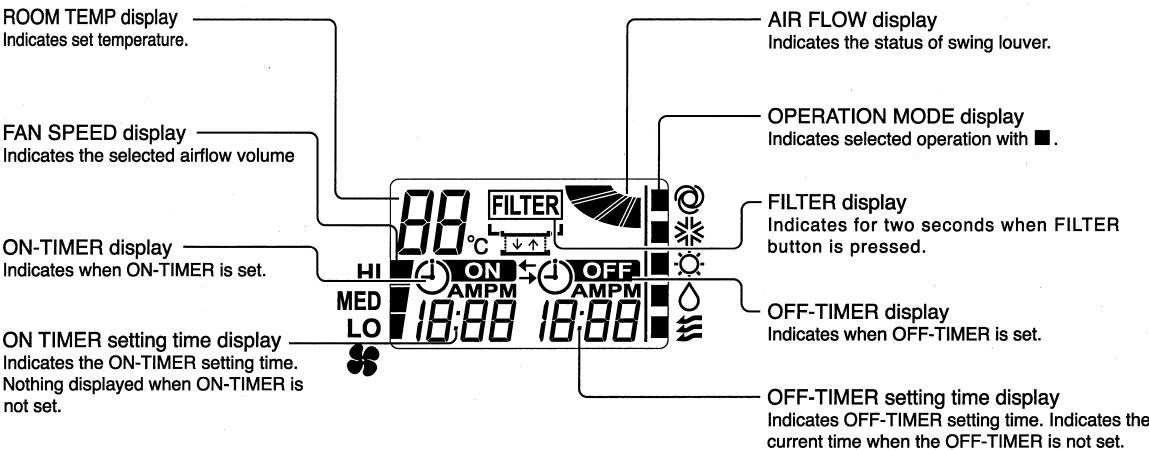
Please make sure to reset it when the batteries are replaced.

⚠ Caution

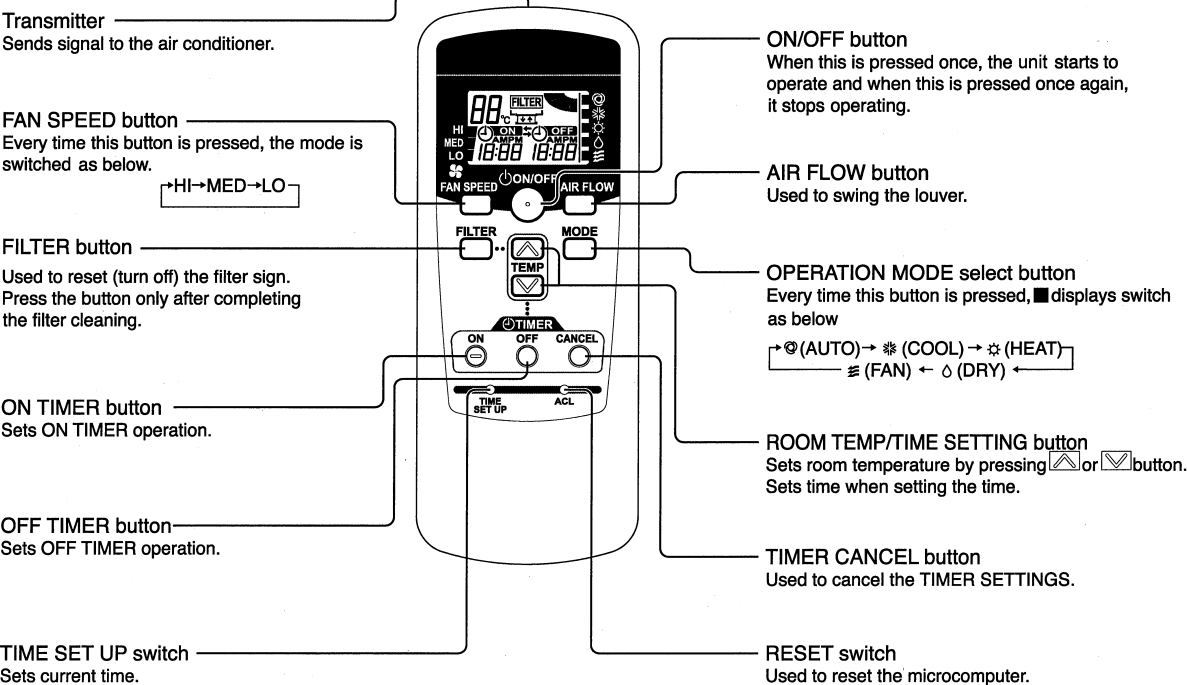
Instruct the customer to set the mentioned above when replacing the batteries.

(How to set is also mentioned in the user's manual attached on the air conditioner.)

Display section



Operation section

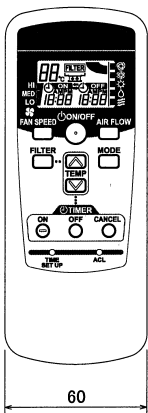


Accessories

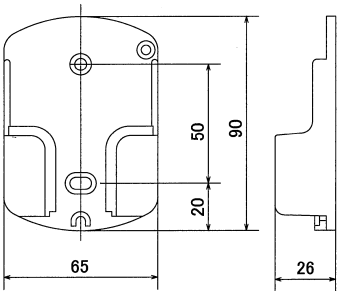
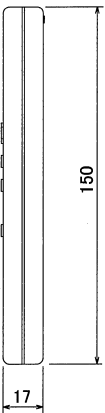
Remote controller holder	1
AAA dry cell battery (R03)	2

Installation of remote controller

- DO NOT install it on the following places in order to avoid malfunction.
- (1) Places exposed to direct sunlight
 - (2) Places near heat devices
 - (3) High humidity places
 - (4) Hot surface or cold surface enough to generate condensation
 - (5) Places exposed to oil mist or steam directly
 - (6) Uneven surface



Remote controller



Remote controller holder

Adapted to **RoHS** directive

* All displays are described in the liquid crystal display for explanation