

Operation & Installation Manual for Wireless Receiver Kit

Model: JS-SF-CAS JS-SF JS-SF-3

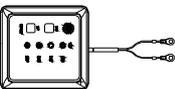
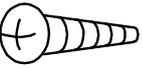
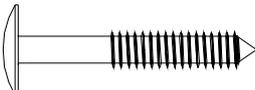
CAUTION

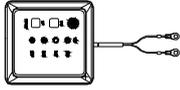
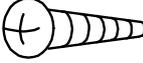
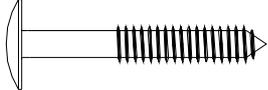
Do NOT turn ON the power source, unless the preparation for test running is completed.

- Read this manual carefully before installation work for correct performance.
- Read this manual together with the “Installation & Maintenance Manual” for the indoor unit and Wireless Remote Control Switch.
- is the blank box for checking. Mark the blank box for the item after checking.

1. Before Installation and Operation

1) This packing contains the following parts. Check the contents and number of the parts.

Model	Name	Q'ty	Remarks
JS-SF-CAS	Receiver Kit 	1	With Connection Wire
	Connecting Cable 	1	With Connection Wire
	Cover 	1	For Protection of Connecting Cable
	Band 	3	For Fixing Cable
JS-SF	Receiver Kit 	1	With Connection Cable
	Band 	1	For Fixing Cable
	Screw 	2	For Fixing Receiver Kit
	Screw 	2	For Fixing Clamp
	Screw 	2	For Fixing Receiver Kit
	Screw 	2	For Fixing Receiver Kit
	Clamp 	2	For Fixing Cable

JS-SF-3	Receiver Kit		1	With Connection Cable
	Band		1	For Fixing Cable
	Screw		2	For Fixing Receiver Kit
	Screw		2	For Fixing Clamp
	Screw		2	For Fixing Receiver Kit
	Screw		2	For Fixing Receiver Kit
	Clamp		2	For Fixing Cable
	Expanded PCB		1	Communication With Receiver Kit
General	Operation Manual		1	—
	Installation manual		1	—

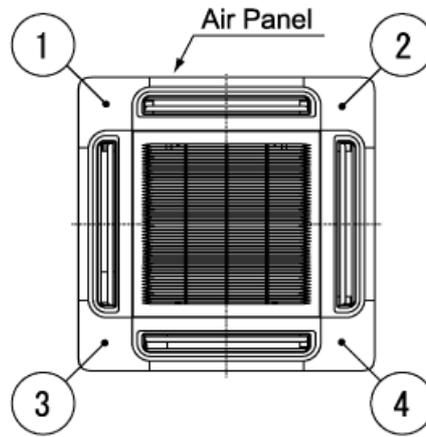
2. Installation of Wireless Receiver Kit

JS-SF-CAS

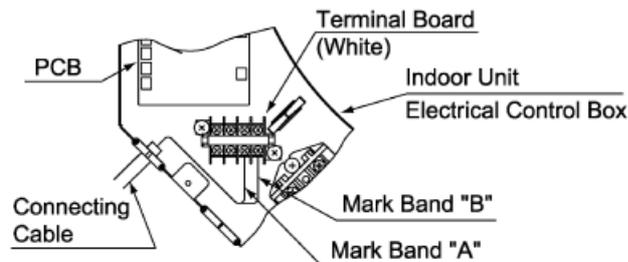
NOTE:

Install the receiver kit onto the air panel.

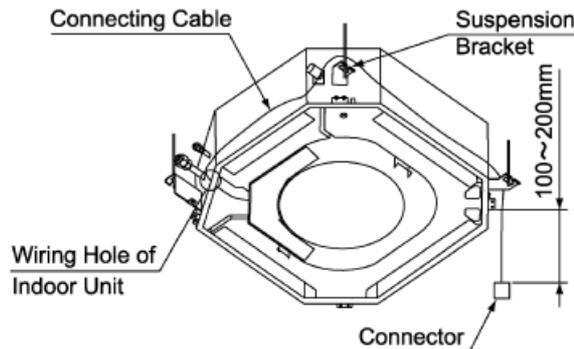
- 1) Install the wireless receiver kit, the indoor unit and the air panel at the same time.
- 2) Check to ensure that the distance between the wireless receiver kit and the EMI Source is larger than 3m.
- 3) In case that the wireless receiver kit is installed after installing the indoor unit, turn off the power source of the indoor unit and remove the air panel.
- 4) This receiver kit can be installed at the position of ①, ②, ③ or ④.



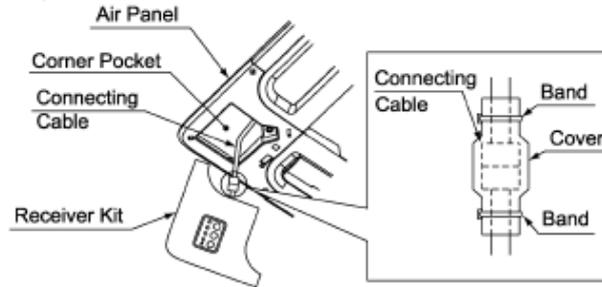
- 5) Remove the cover of indoor unit electrical control box and connect the cable to the terminal board (white) as shown below.



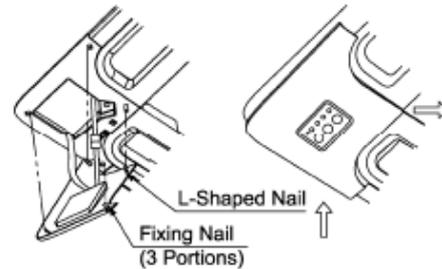
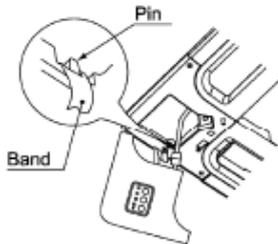
- 6) Draw out the connecting cable from the wiring hole of the indoor unit, and lead the cable over the suspension bracket of the indoor unit to the installing position of the receiver kit. Bundle the extra cable with a band.



- 7) Install the air panel (option) onto the indoor unit.
- 8) Attach the receiver kit in the following procedure.
 - ① Draw out the connecting cable from the corner pocket and connect the connecting cable and the wire of the receiver kit. After connecting the cable, wrap the connector with the cover and fix them with a band.



- ② Hook the band on the rear side of the receiver kit at the pin of the air panel as shown below.
- ③ Hook the L-shaped nail on the rear side of the receiver kit at the square hole of the air panel.

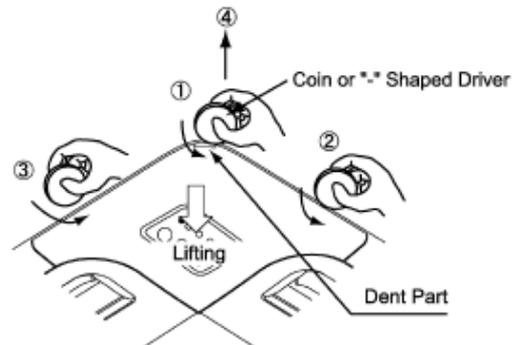


- 9) Hook other fixing nails (3 positions) at square holes of the air panel.

NOTE:

When removing the receiver kit after installing the air panel;

- 1) The corner position of the receiver kit can be lifted when a coin or a "-" shaped driver is inserted into the dent part ① and twisted downward. With ① lifted, twist a coin or a "-" shaped driver at the positions of ② and ③, the whole receiver kit can be lifted.
- 2) After disconnecting the fixing nails (3 positions), slide the receiver kit in the arrow direction (④) and remove the receiver kit.



CAUTION

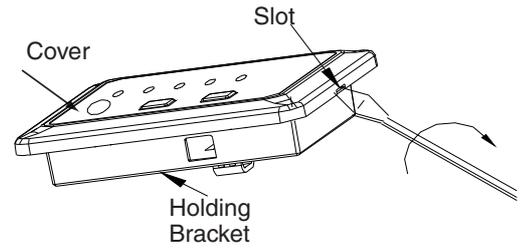
Pay attention to the following installation procedures. If not, it may drop from the panel, resulting in a serious accident.

JS-SF

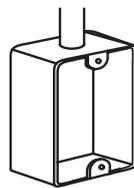
NOTE:

Install the receiver kit onto the wall or ceiling near the indoor unit.

- 1) Install the wireless receiver kit and indoor unit at the same time.
- 2) In case that the wireless receiver kit is installed after installing the indoor unit, turn OFF the power source of the indoor unit.
- 3) Check to ensure that the distance between the wireless receiver kit and the indoor unit is shorter than 5m.
- 4) Check to ensure that the distance between the wireless receiver kit and the EMI Source is larger than 3m.
- 5) Remove the cover by using slotted screwdriver.
- 6) Install the wireless receiver kit onto the wall or ceiling as follows:

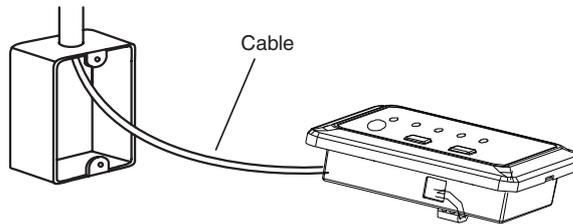


- (1) Prepare the following box (Field-Supplied).

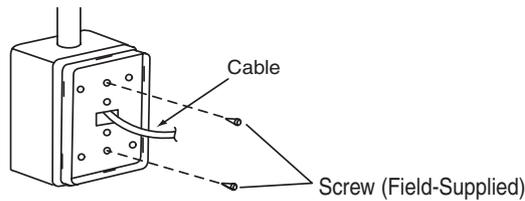


- Rigid Metal Conduit
- Screw (M4) (Field-Supplied)

- (2) Insert the cable into the rigid metal conduit.

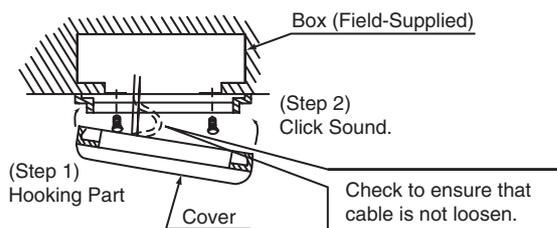


- (3) Fix the fixing bracket of kit by using screw (Field-Supplied).



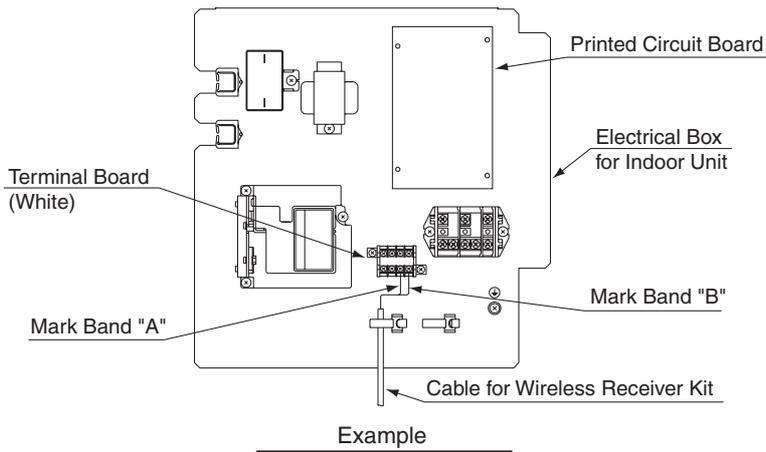
● This figure shows the case of Switch Box for 1 Controller.

- (4) Attach the cover same as A-(4).



(5) Remove the cover of indoor unit electrical control box and connect the cable to the terminals A and B of the terminal board (white).

After connecting the cable, bind up the remaining cable length portion by band (Factory-Supplied) and put them in the electrical control box.



NOTES:

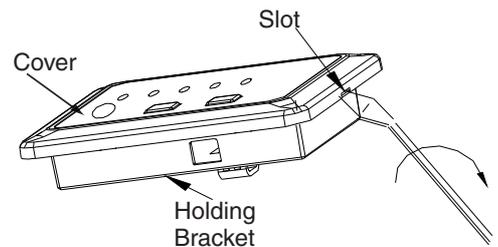
- Protective box recommend size 99.5 by 92.5 by 35 mm, fixed hole center is 78 mm.
- Receiver panel with transparent plastic protective film, the official may required removed according to user.
- Remove the cover by using slotted screwdriver.
- When the back cover installation, to tidy up wiring, attention to the back cover marked \"switch\" that justify the board of SW1 switch position
- If not according to the requirements of sequenced operations, may cause install or remove substrate difficulties.

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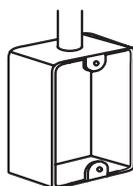
NOTE:

Install the receiver kit onto the wall or ceiling near the indoor unit.

- 1) Install the wireless receiver kit and indoor unit at the same time.
- 2) In case that the wireless receiver kit is installed after installing the indoor unit, turn OFF the power source of the indoor unit.
- 3) Check to ensure that the distance between the wireless receiver kit and the indoor unit is shorter than 5m.
- 4) Check to ensure that the distance between the wireless receiver kit and the EMI Source is larger than 3m.
- 5) Remove the cover by using slotted screwdriver.

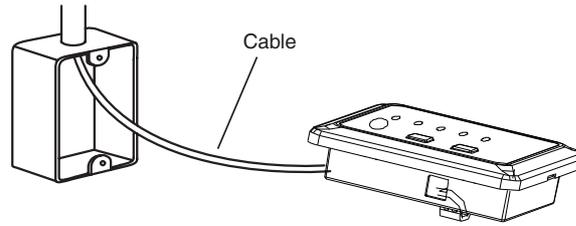


(1) Prepare the following box (Field-Supplied).

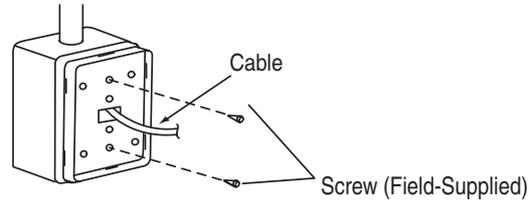


- Rigid Metal Conduit
- Screw (M4) (Field-Supplied)

- (2) Insert the cable into the rigid metal conduit. Then install the expanded PCB. The install of expanded PCB refer to step (6).

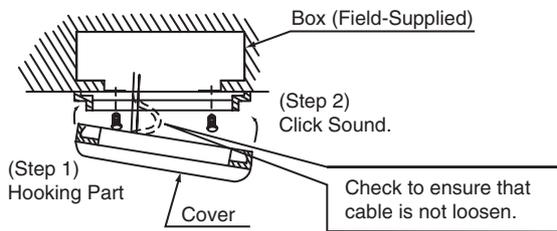


- (3) Fix the fixing bracket of kit by using screw (Field-Supplied).



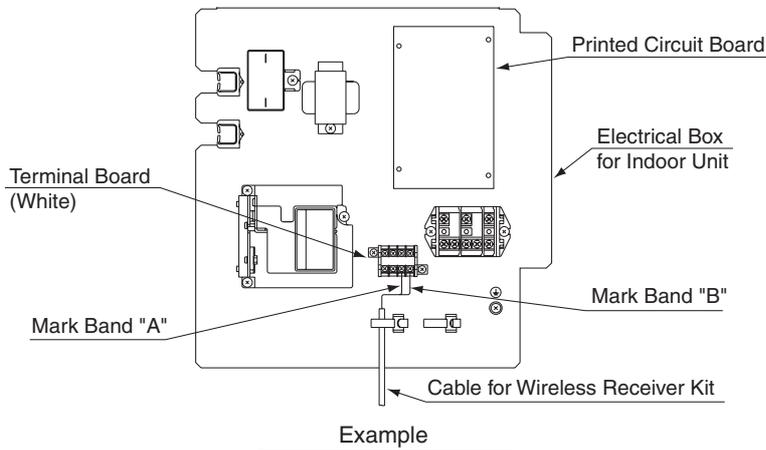
● This figure shows the case of Switch Box for 1 Controller.

- (4) Attach the cover same as A-(4).



- (5) Remove the cover of indoor unit electrical control box and connect the cable to the terminals A and B of the terminal board (white).

After connecting the cable, bind up the remaining cable length portion by band (Factory-Supplied) and put them in the electrical control box.



NOTES:

- Protective box recommend size 99.5 by 92.5 by 35 mm, fixed hole center is 78 mm.
- Receiver panel with transparent plastic protective film, the official may required removed according to user.
- Remove the cover by using slotted screwdriver.
- When the back cover installation, to tidy up wiring, attention to the back cover marked \"switch\" that justify the board of SW1 switch position
- If not according to the requirements of sequenced operations, may cause install or remove substrate difficulties.

(6)The install of expanded PCB :

- As shown in figure 1 below. Connect the receiver kit to terminal CN23 of the expanded PCB.

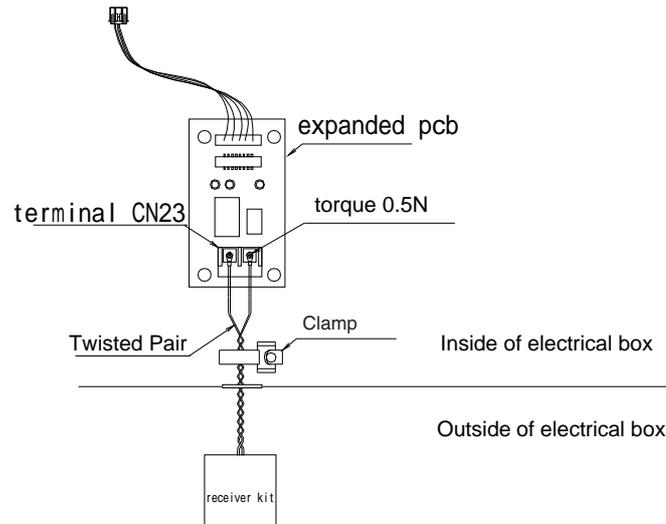


图 1

- As shown in figure 2. In the electrical box there are four spare white supporting feet, arranging for 63 mm x 26 mm rectangle. Set the extended pcb up to these four white support feet.

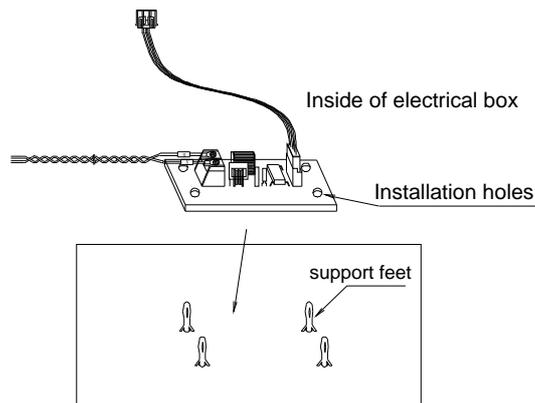


图 2

- As shown in figure 3 .Connect the bring wiring of the expanded pcb (labeling CN21) to the terminal CN21 of master pcb.

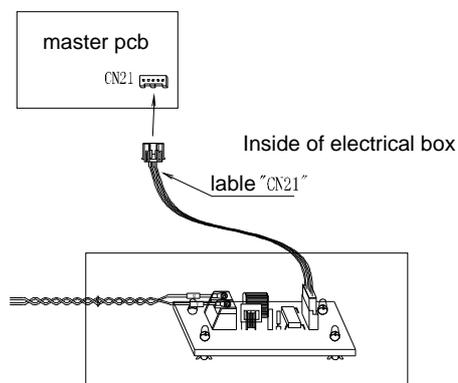


图 3

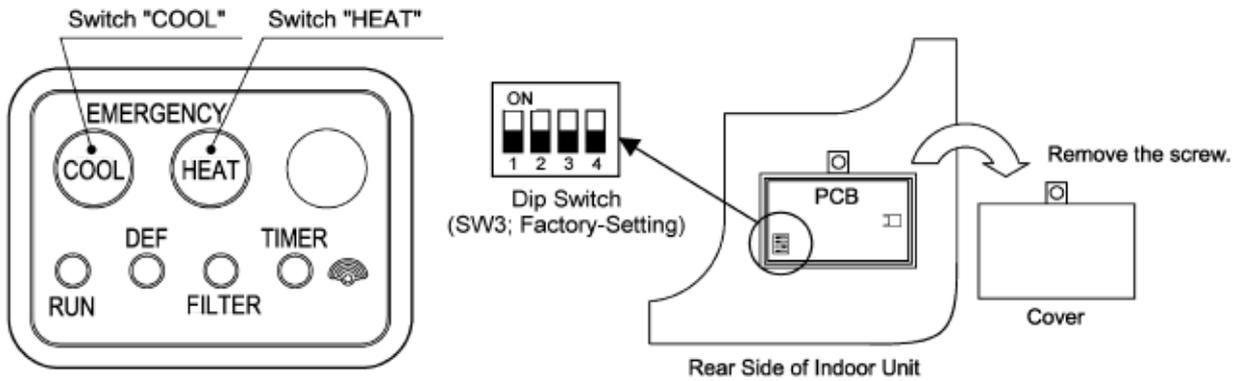
- Using clamp tighten twisted-pair .

3. Optional Functions

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□1) Optional Function Setting

Open the lid of cover so that the following functions are available.

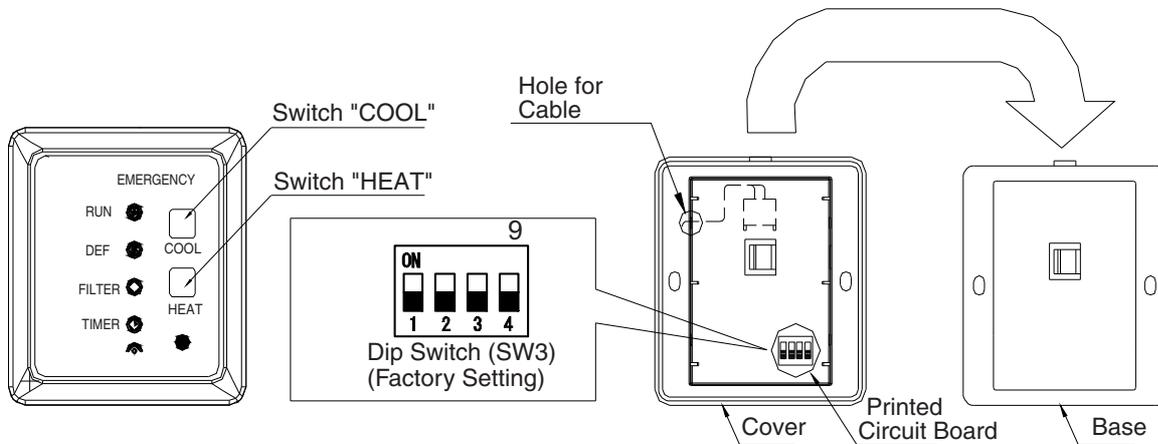


● Optional Setting for Dip Switch ③ (SW3)

Operation Function	Dip Switch Setting ③ (SW3)			
	1	2	3	4
Slave-Remote Control Switch Setting for Simultaneous Operation	○	×	×	×

○ : ON, × : OFF

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2) Optional Setting for Dip Switch (SW3)

Operation Function	Dip Switch Setting (SW3)			
	1	2	3	4
Setting of Sub Receiver Kit	○	×	×	×
Identifying of Indoor Units	×	○	×	×

○ : ON, × : OFF

4. Others

- 1) Proceed the "TEST RUN" mode by using "Operation & Installation Manual" for the wireless remote control switch (HYE-Q01).
★ Turn OFF all power sources before setting the dip switches.

- 2) Emergency Operation Setting (Refer to the figure of the item 3 "Optional Functions".)
In case that HYE-Q01 is unusable by batteries shortage, etc., perform emergency operation as follows.

- (1) Switch "COOL": Press "COOL" so that the cooling operation is started.
Press "COOL" again so that the cooling operation is stopped.
- (2) Switch "HEAT": Press "HEAT" so that the heating operation is started.
Press "HEAT" again so that the heating operation is stopped.

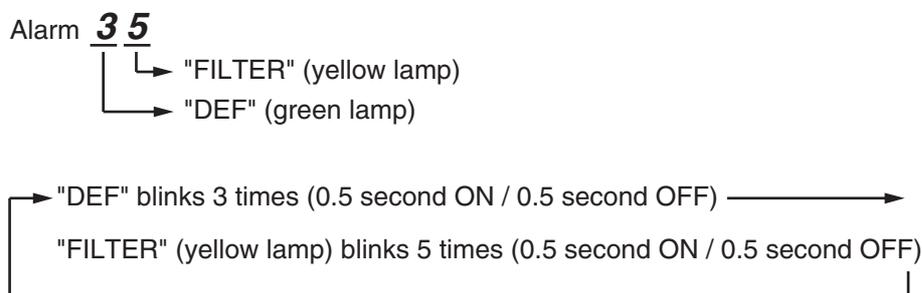
NOTE:

During the emergency operation, the LED (yellow) blinks (0.5 second ON / 0.5 second OFF).

- 3) Alarm Code Indication

- In case that some trouble occurs because of activation of safety device, etc., "RUN" (red lamp) blinks (0.5 second ON / 0.5 second OFF).
- Refer to the Installation Manual for outdoor unit about Alarm Code List.
- Alarm Code indicates the blinking times of "DEF" (green lamp) and "FILTER" (yellow lamp) as shown below.
"DEF" (green lamp): The blinking is shown at the 2 digit of Alarm Code
"FILTER" (yellow lamp): The blinking is shown at the 1 digit of Alarm Code
(Alphabet Code: A=10 times, B=11 times, C=12 times,)

- Example -



- "Run" (red lamp) blinking (1 second ON / 1 second OFF) indicates abnormal transmitting between Indoor Units and Outdoor Unit.

