

11-1. ROTATION FUNCTION(AND BACK-UP FUNCTION, 2ND STAGE CUT-IN FUNCTION)

11-1-1. OPERATION

(1) Rotation function(and Back-up function)

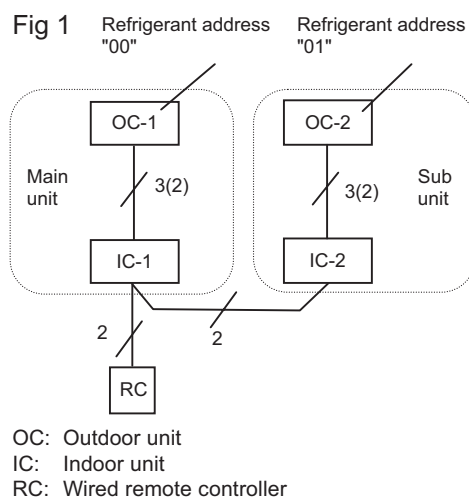
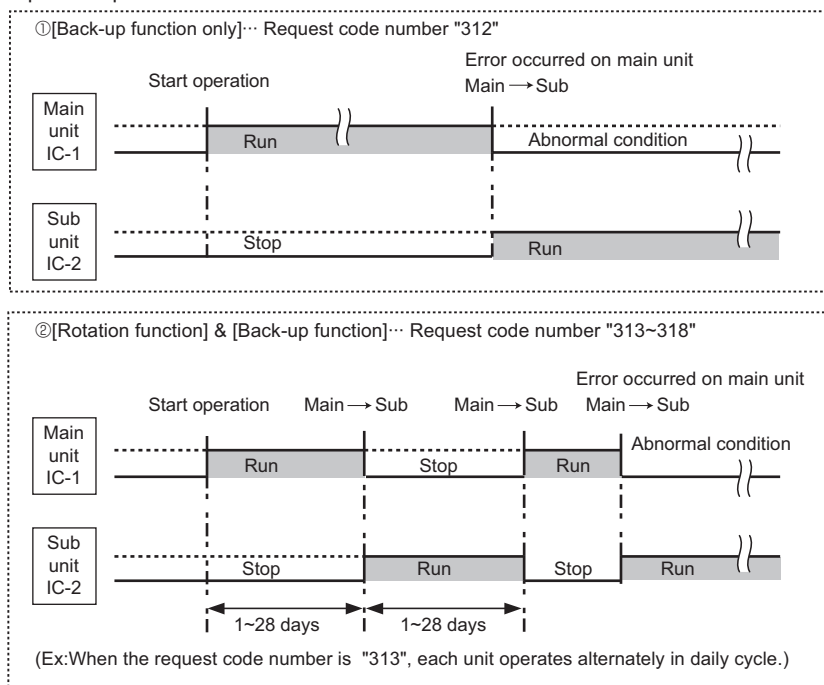
Outline of functions

- Operating the unit of main and sub alternately according to the interval setting. (Rotation function)
- ※The setting of main/sub unit depends on the refrigerant address.(The setting of dip switch on the outdoor unit)
- Refrigerant address"00" → Main unit
- Refrigerant address"01" → Sub unit
- If an error occurs to one unit, the other unit starts.(Back-up function)

System constraint

- This function is available only by the grouping control system(INDOOR UNIT : OUTDOOR UNIT=1:1) of 2 refrigerant group.(Refer to Fig 1)
- It is necessary to connect remote controller crossover wiring to between units(Wireless remote controller is unusable) and to assign refrigerant address to each unit.(Dip switch on the outdoor unit...Refrigerant address 00/01)

Operation pattern



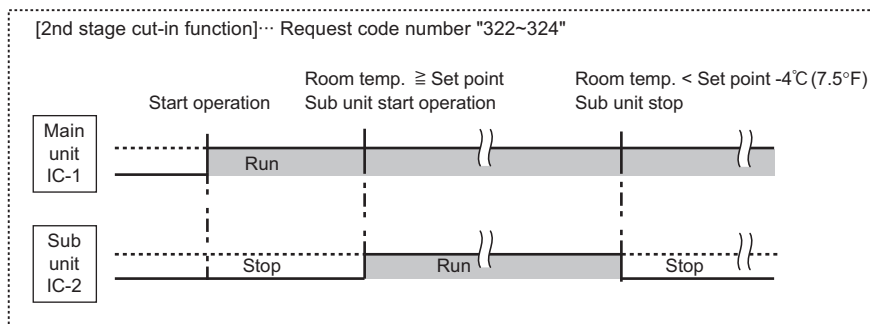
(2) 2nd stage cut-in function

Outline of functions

- Quantity of operating units is controlled according to the room temperature and set point.
- When room temperature becomes more than set point, standby unit starts.(2 units running)
- When room temperature falls below set point -4°C (7.5°F), standby unit stops.(1 unit running)

System constraint

- This function is available only in rotation operation(or back-up) and cooling mode.



11-1-2.HOW TO PERFORM THE OPERATION OF ROTATION FUNCTION(BACK-UP FUNCTION, 2ND STAGE CUT-IN FUNCTION)

Set by wired remote controller.(Maintenance monitor)

NOTICE

It is necessary to set the same content to both main unit and sub unit.
Every time indoor controller board is replaced for servicing, it is necessary to set each function.

(1) Request Code List

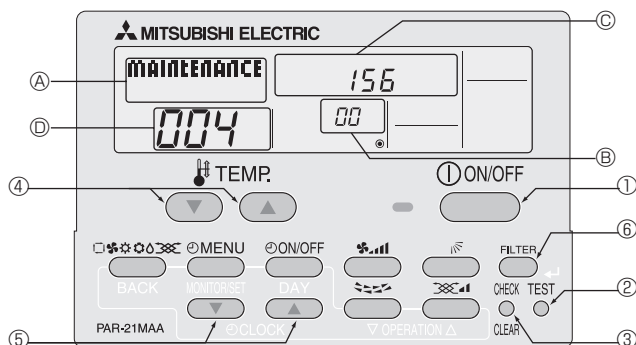
Rotation setting

Setting No. (Request code)	Setting contents	Initial setting
No.1 (310)	Monitoring the request code of current setting.	
No.2 (311)	Rotation and Back-up OFF (Normal group control operation)	⊙
No.3 (312)	Back-up function only	
No.4 (313)	Rotation ON (Alternating interval = 1day) and back-up function	
No.5 (314)	Rotation ON (Alternating interval = 3days) and back-up function	
No.6 (315)	Rotation ON (Alternating interval = 5days) and back-up function	
No.7 (316)	Rotation ON (Alternating interval = 7days) and back-up function	
No.8 (317)	Rotation ON (Alternating interval = 14days) and back-up function	
No.9 (318)	Rotation ON (Alternating interval = 28days) and back-up function	

2nd stage cut-in setting

Setting No. (Request code)	Setting contents	Initial setting
No.1 (320)	Monitoring the request code of current setting.	
No.2 (321)	Cut-in function OFF	⊙
No.3 (322)	Cut-in function ON (Set point = Set temp. +4°C (7.2°F))	
No.4 (323)	Cut-in function ON (Set point = Set temp. +6°C (10.8°F))	
No.5 (324)	Cut-in function ON (Set point = Set temp. +8°C (14.4°F))	

(2) Setting method of each function by wired remote controller



B: Refrigerant address
C: Data display area
D: Request code display area

1. Stop running the air-conditioner(①).
2. Press the **TEST** button (②) for 3 seconds so that [Maintenance mode] appears on the screen (at ④).
→ After a while, [00] appears in the refrigerant address number display area.(at ③)
3. Press the **CHECK** button (③) for 3 seconds to switch to [Maintenance monitor].
Note) It is not possible to switch to [Maintenance monitor] during data request in maintenance mode (i.e., while "----" is blinking) since no buttons are operative.

[----] appears on the screen (at ③) when [Maintenance monitor] is activated.
(The display (at ③) now allows you to set a request code No.)

4. Press the [TEMP (and)] buttons (④) to select the desired refrigerant address.

[Screen③] → ↔ ↔ ↔ ←

5. Press the [CLOCK (and)] buttons (⑤) to set the desired request code No. ("311~318", "321~324", "331~335")
6. Press the **FILTER** button (⑥) to perform function setting.
→ If the above operations are set correctly, request code number will appear in data display area.(at ④)
[Example] When the request code number is "311", [311] appears on the screen.(at ④)]

[Reference]

You can check the request code number of current setting by setting the request code number ("310", "320" or "330") and press the **FILTER** button.(⑥)

[Example] When the current setting is "Setting No.2(Request code 311)", [311] appears on the screen.(at ④)]

7. To return to normal mode, press the **ON/OFF** button (①).

11-2. BACK-UP HEATING FUNCTION(CN24)

11-2-1. OPERATION

Outline of functions

The back-up heater signal is sent out according to the temperature difference between indoor room temperature and set temperature. This function is available only in heating operation.

11-2-2. HOW TO CONNECT

When connecting to the connector CN24 of the indoor unit, use PAC-SE56RA-E(optional parts).

	Temperature difference (Z=Set temp. - Room temp.)	Back-up heater signal output
1	$Z \leq 0^{\circ}\text{C} (^{\circ}\text{F})$	OFF
2	$0 < Z < 2.5^{\circ}\text{C} (4.5^{\circ}\text{F})$	Keeping condition
3	$2.5^{\circ}\text{C} (4.5^{\circ}\text{F}) \leq Z$	ON

