

MITSUBISHI ELECTRIC CITY MULTI Control System and Mitsubishi Mr. SLIM Air Conditioners MA Deluxe Remote Controller PAR-21MAA Installation Manual

This instruction manual describes how to install the MA Remote Controller for Mitsubishi Building Air Conditioning System, direct expansion type CITY MULTI air conditioner indoor units...

1 Safety Precautions

- Read these Safety Precautions and perform installation work accordingly.
WARNING: This symbol denotes what could lead to serious injury or death if you misuse the PAR-21MAA.
CAUTION: This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAR-21MAA.

Ensure that installation work is done correctly following this installation manual.
All electrical work must be performed by a licensed technician, according to local regulations and the instructions given in this manual.

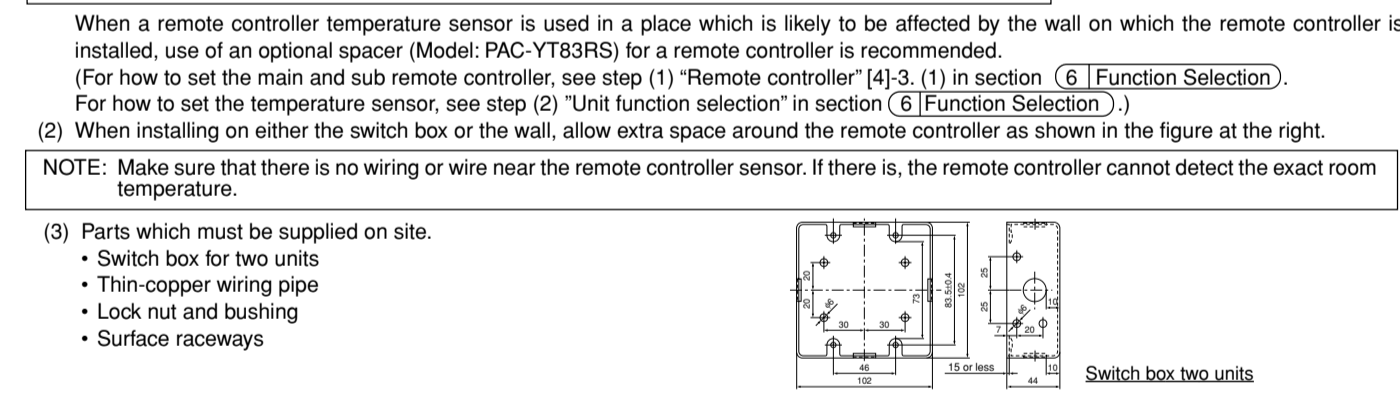
- CAUTION: Do not install in any place exposed to flammable gas leakage.
Do not use in any special environment.
When installing the remote controller in a hospital or communication facility, take ample countermeasures against noise.

2 Confirming the Supplied Parts

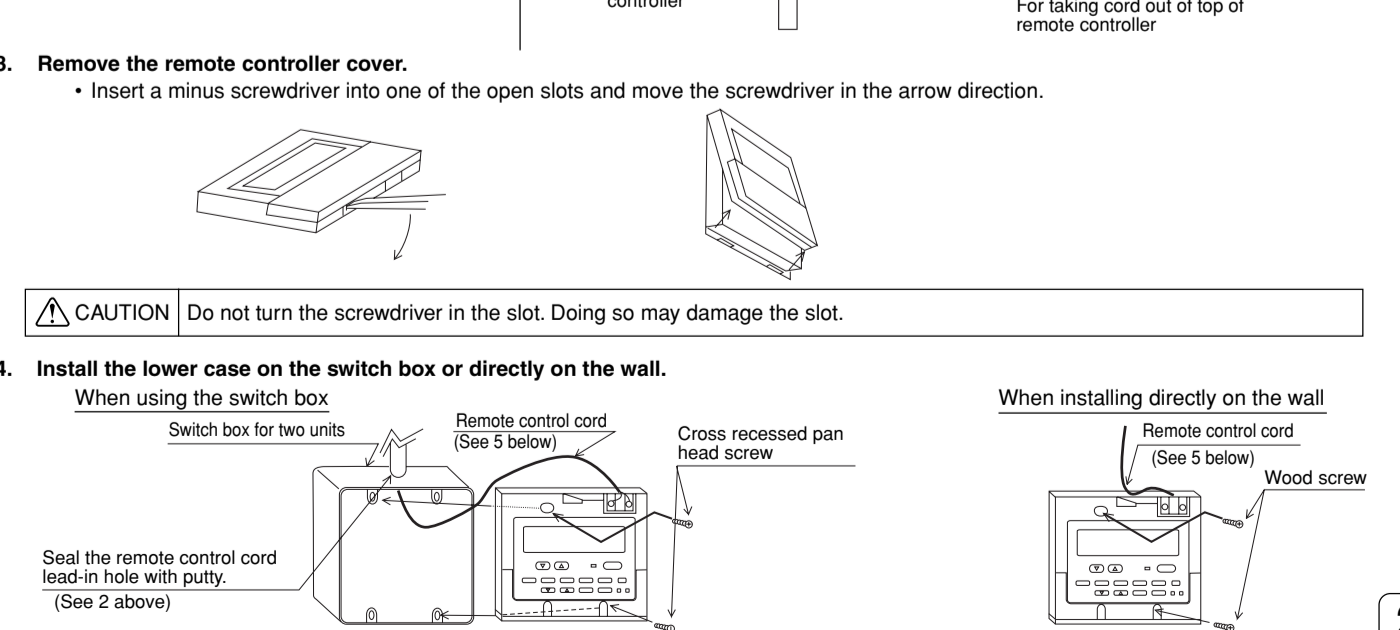
- Confirm that the box includes the following parts, in addition to this installation manual:
1. Remote controller (cover, body)
2. Cross recessed pan head screw (M4 x 30)
3. Wood screw (4.1 x 16, used for directly hooking to the wall)

3 How To Install

- 1. Choose a place in which to install the remote controller (switch box).
Be sure to observe the following steps:
(1) Temperature sensors are provided with both the remote controller and the indoor units.



- 2. Seal the remote controller cord with putty in order to prevent the possible entry of dew, water droplets, cockroaches, other insects, etc.
When installing on the switch box, seal the connections between the switch box and wiring pipe with putty.



Seal the remote control cord lead-in hole with putty. (See 2 above)

- CAUTION: Do not tighten the screws too tight. Doing so may deform or crack the lower cover.
NOTE: - Choose a flat plane for installation.
- Fasten the switch box at more than two places when installing directly on the wall.

- 5. Connect the remote control cord to the remote controller terminal block.
To indoor unit MA remote controller or A control terminal block.
There is no polarity.

- 4. Test Run
1. Before making a test run, refer to the "Test Run" section of the indoor unit installation manual.
2. Press the [TEST] button twice successively within three seconds.
3. Stop the test run by pressing the [ON/OFF] button.

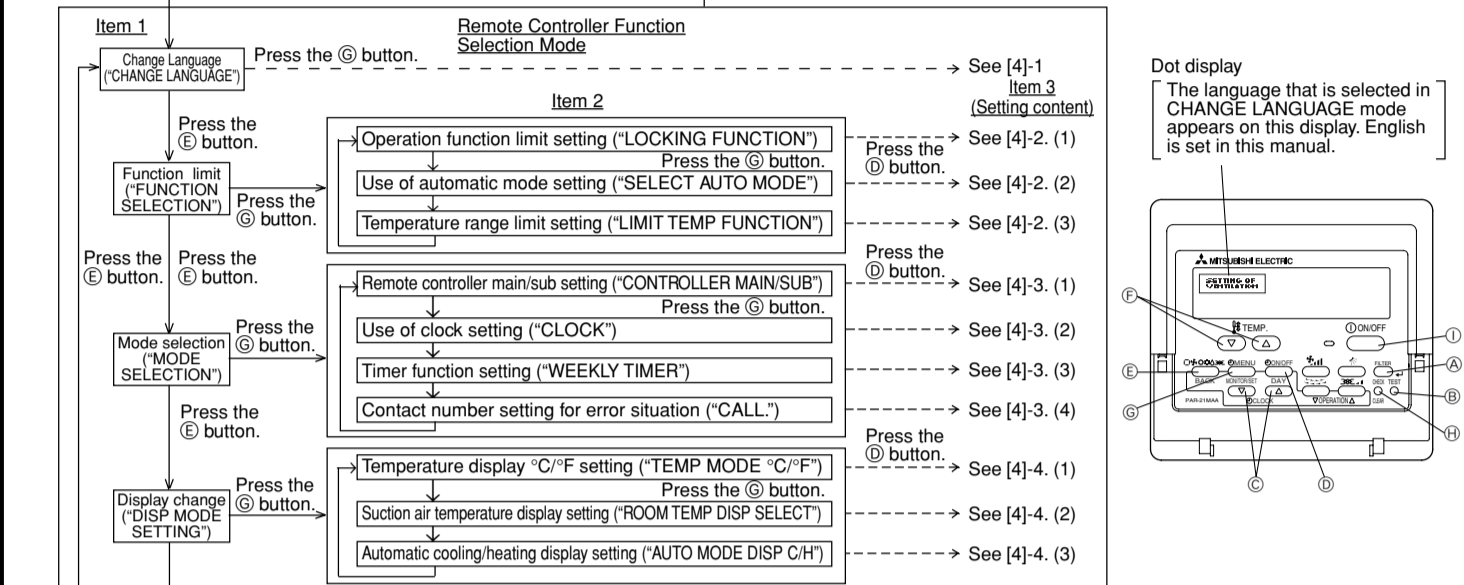
5 Ventilation Setting

- When the upper controller is connected, make the setting using the upper controller.
NOTE: When using LOSSNAY units in conjunction, interlock the addresses of all indoor units within the group and address of LOSSNAY units.
Perform this operation when you want to register the LOSSNAY, confirm the registered units, or delete the registered units controlled by the remote controller.

6 Function Selection

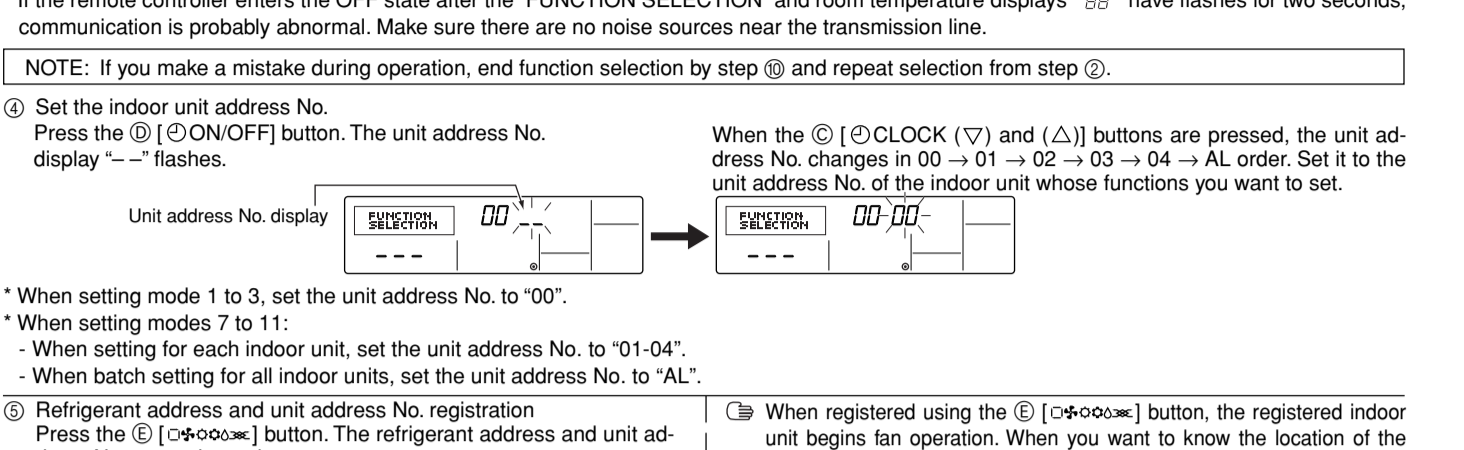
Table with 3 columns: Item 1, Item 2, Item 3 (Setting content). It lists various settings like language, function limit, mode selection, display change, etc.

[Function selection flowchart]
(1) Stop the air conditioner to start remote controller function selection mode.
(2) Select from item 1.
(3) Select from item 2.
(4) Make the setting.



- (Detailed setting)
[4]-1. CHANGE LANGUAGE setting
The language that appears on the dot display can be selected.
[4]-2. Function limit
(1) Operation function limit setting (operation lock)
(2) Use of automatic mode setting

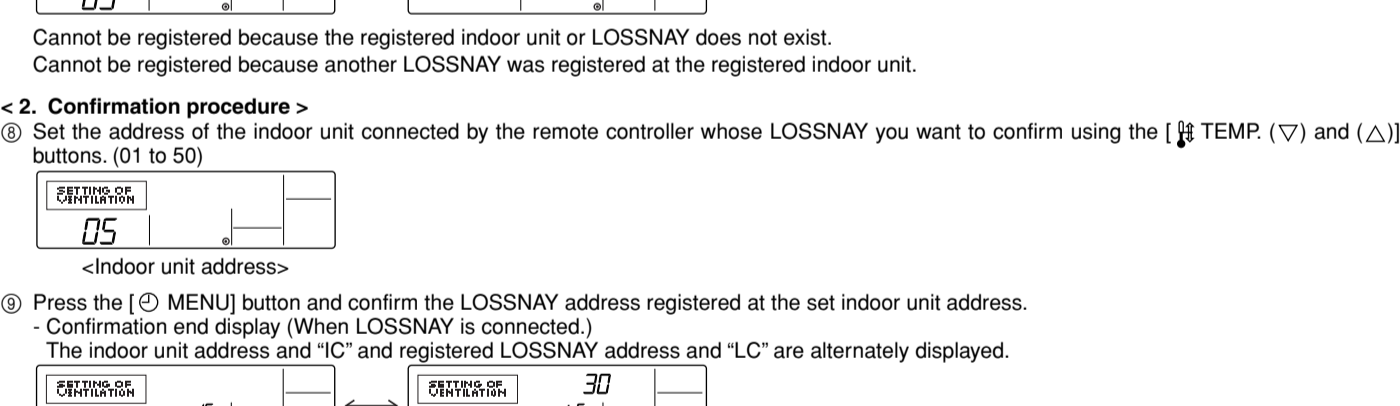
- [Procedure] (Set only when change is necessary.)
Check the set contents of each mode. When the set contents of a mode were changed by function selection, the functions of that mode also change.
Set the outdoor unit refrigerant address No.



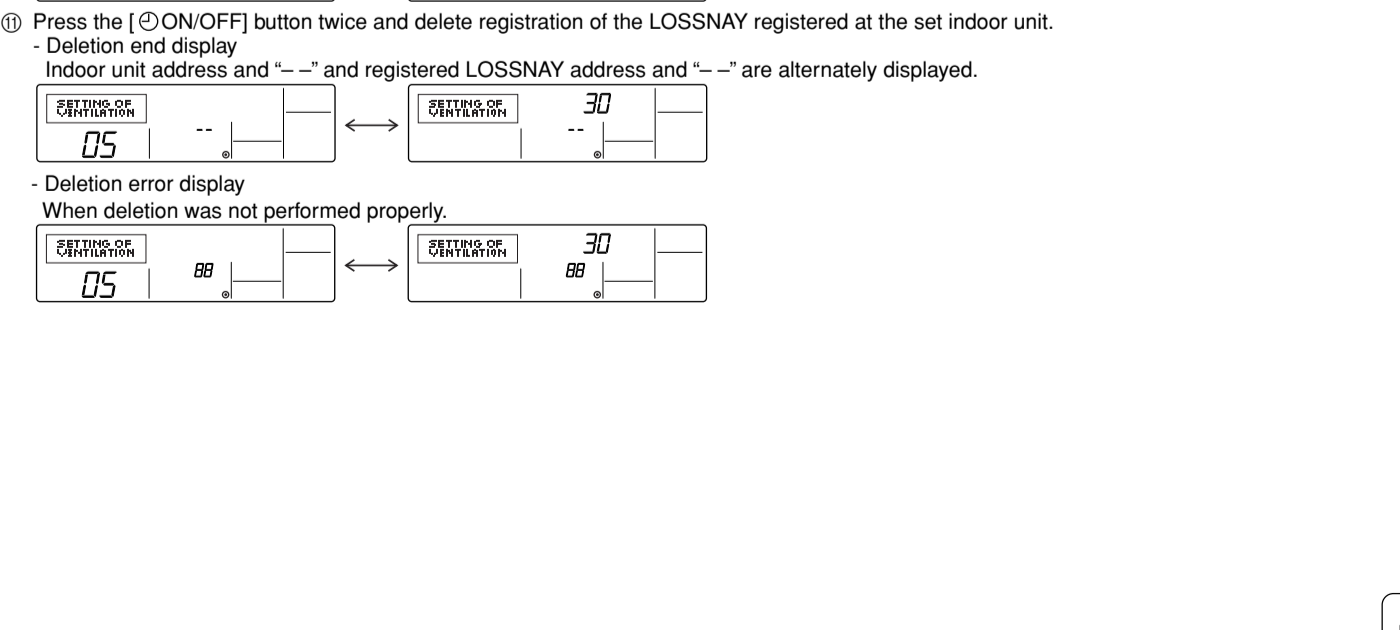
- When registered using the [ON/OFF] button, the registered indoor unit begins fan operation.
When you want to know the location of the indoor units of the unit address No. whose functions were selected, check here.

- 7. Self check
Retrieve the error history of each unit using the remote controller.
1. Switch to the self check mode.
2. Set the address or refrigerant address No. you want to self check.

- 4. Confirmation procedure
(1) Registration procedure
(2) Deletion procedure
(3) Confirmation procedure



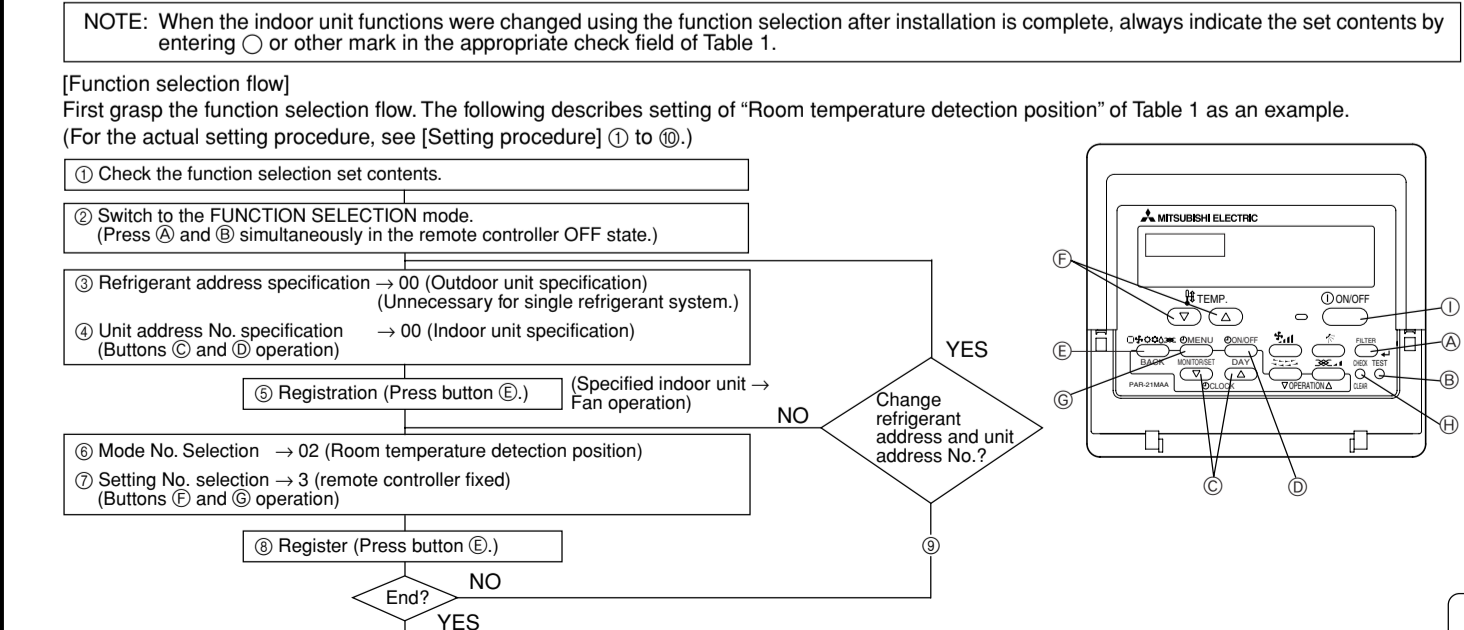
- 2. Confirmation procedure
(1) Registration procedure
(2) Deletion procedure
(3) Confirmation procedure



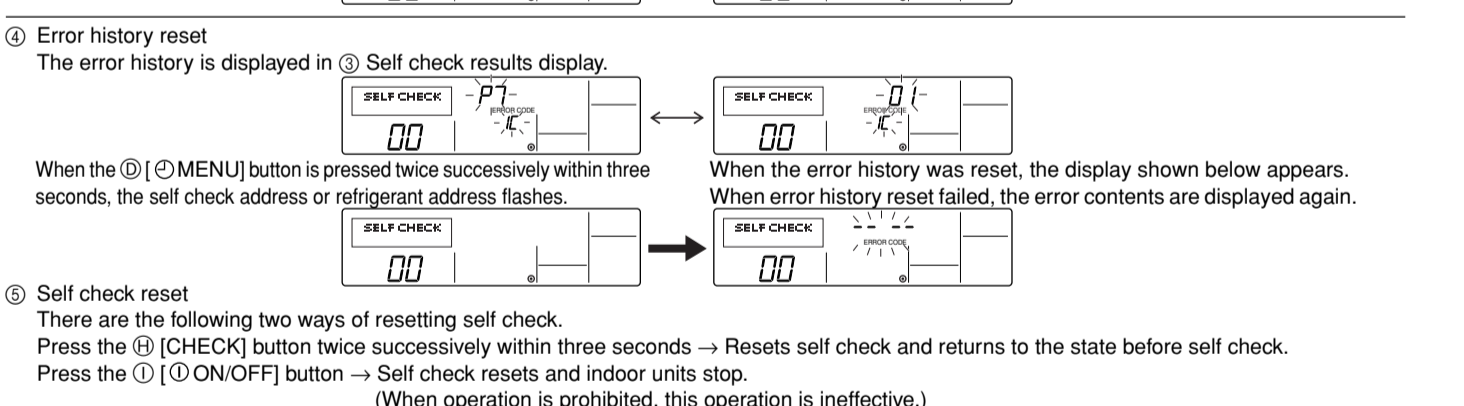
Seal the remote control cord lead-in hole with putty. (See 2 above)

- (2) Unit Function Selection
Perform only when change is necessary with Mr. SLIM air conditioner.
Set the functions of each indoor unit from the remote controller, as required. The functions of each indoor unit can be selected only from the remote controller.

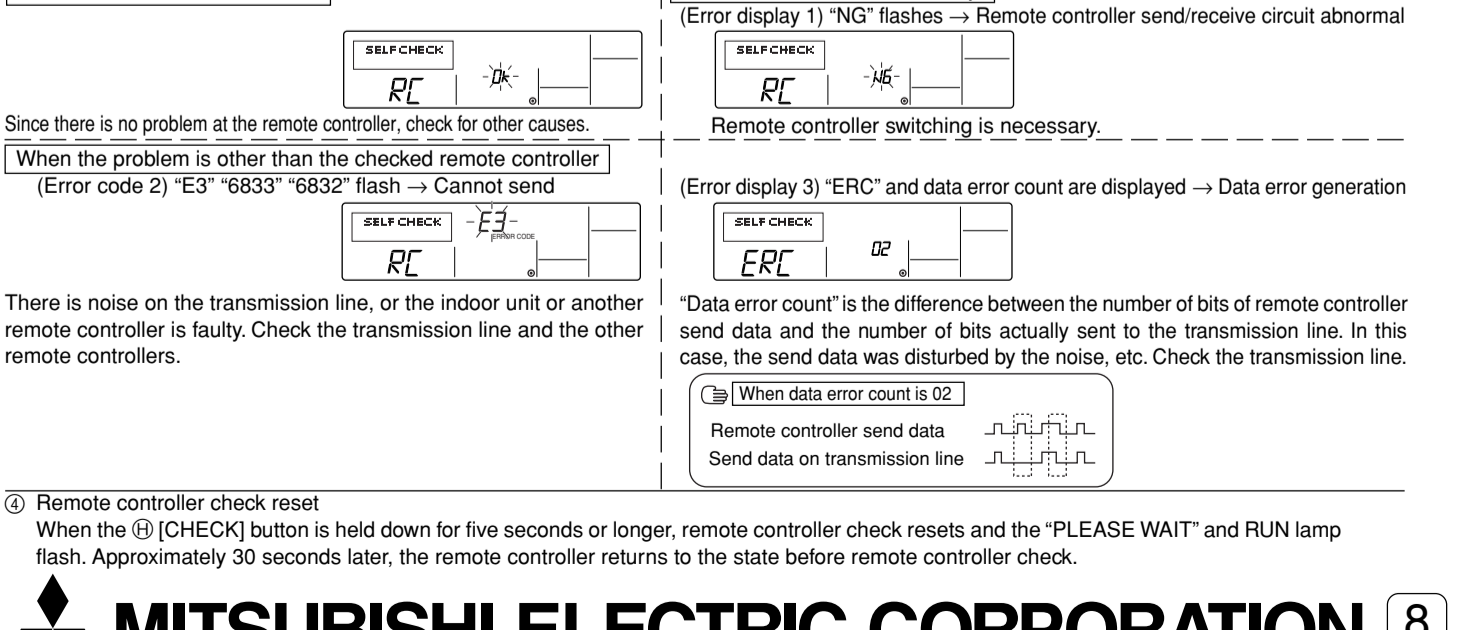
Table with columns: Function, Settings, Mode No., Setting No., Check, Object unit address No. It lists various functions like Power failure automatic recovery, Indoor temperature detecting, etc.



- 7. Self check
Retrieve the error history of each unit using the remote controller.
1. Switch to the self check mode.
2. Set the address or refrigerant address No. you want to self check.



- 8. Remote Controller Check
1. First check the power mark.
2. Switch to the remote controller check mode.



Seal the remote control cord lead-in hole with putty. (See 2 above)