

MITSUBISHI ELECTRIC CITY MULTI Control System and Mr. SLIM Air Conditioners Simple MA Controller PAC-YT51CRB Installation Manual

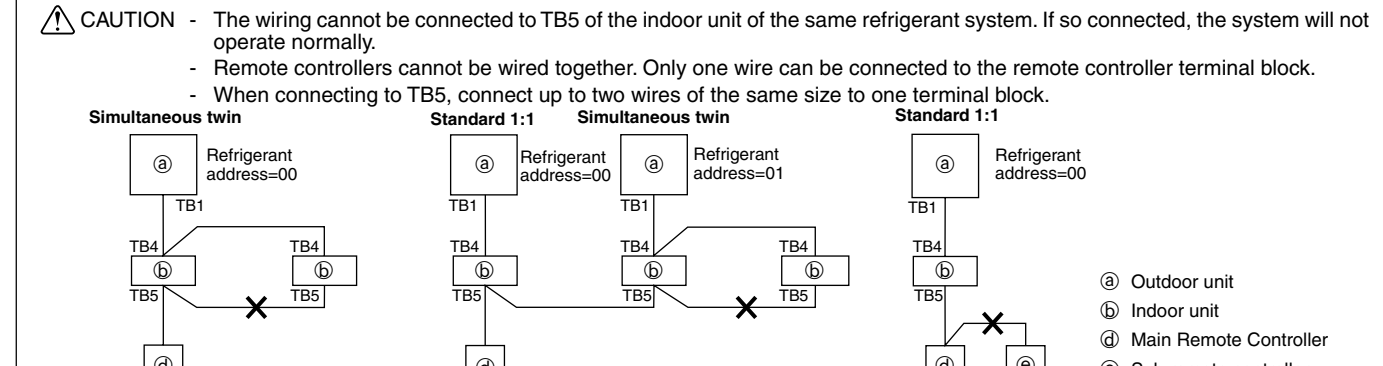
This instruction manual describes how to install the Simple MA Controller for Mitsubishi Building Air Conditioning Systems, direct expansion type CITY MULTI air conditioning units (T type and later) and Mr. SLIM air conditioners. Please read this manual thoroughly and install the remote controller accordingly. For information on how to wire and install the air conditioning units, refer to the installation manual for them.

1 Safety Precautions

- Read these Safety Precautions and perform installation work accordingly.
The following two symbols are used to denote dangers that may be caused by incorrect use and their degree:
WARNING This symbol denotes what could lead to serious injury or death if you misuse the PAC-YT51CRB
CAUTION This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAC-YT51CRB

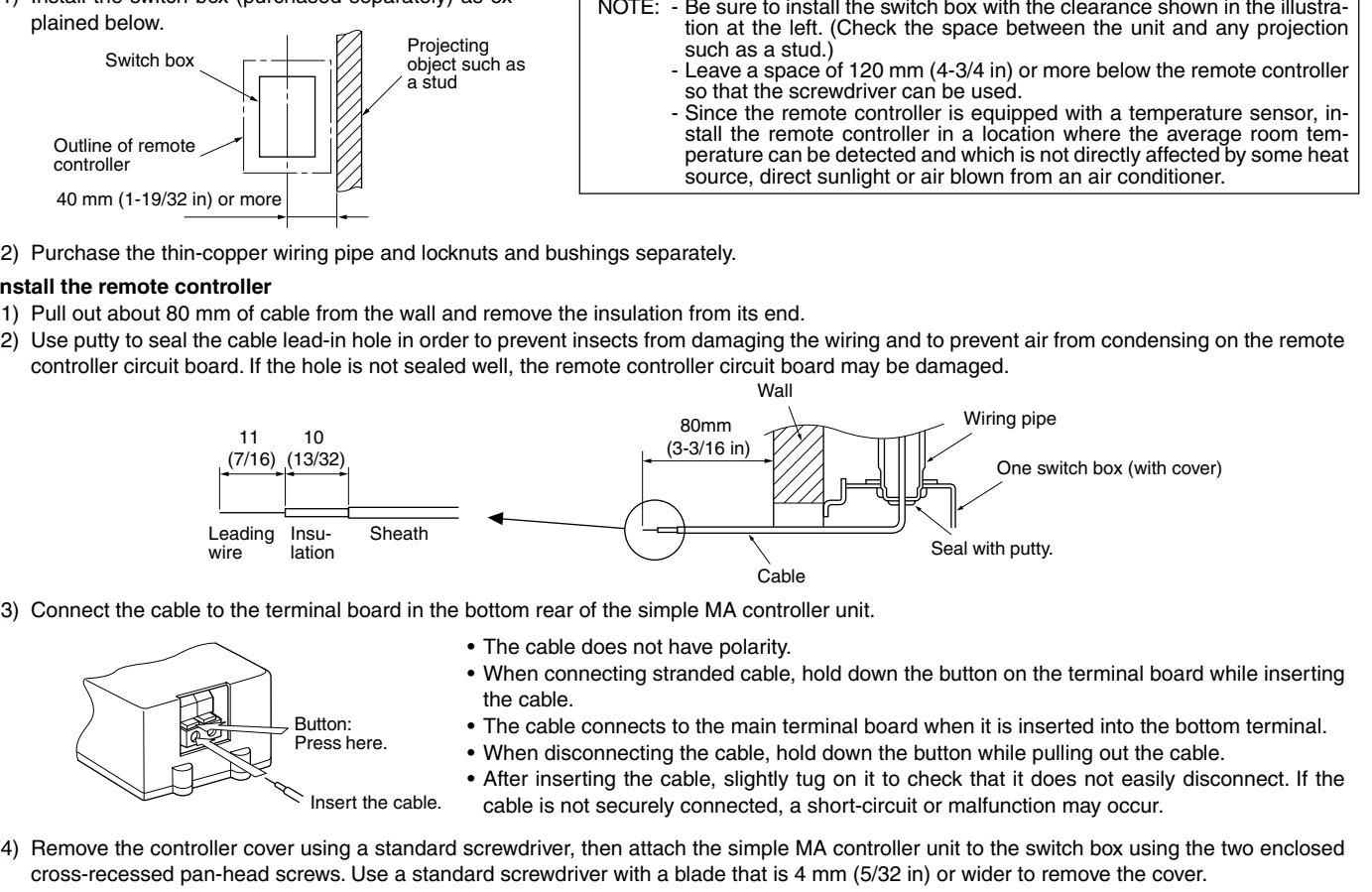
WARNING: Ensure that installation work is done correctly following this installation manual.
CAUTION: Do not touch any control button with your wet hands.
Do not touch any PCB (Printed Circuit Board) with your hands or with tools. Do not allow dust to collect on the PCB.

- (2) When grouping with different refrigerant systems
When grouping the remote controller to an arbitrary indoor unit of each refrigerant system you want to group, always satisfy the conditions of (1) above.
(3) Up to two remote controllers can be connected to one group



4 How To Install

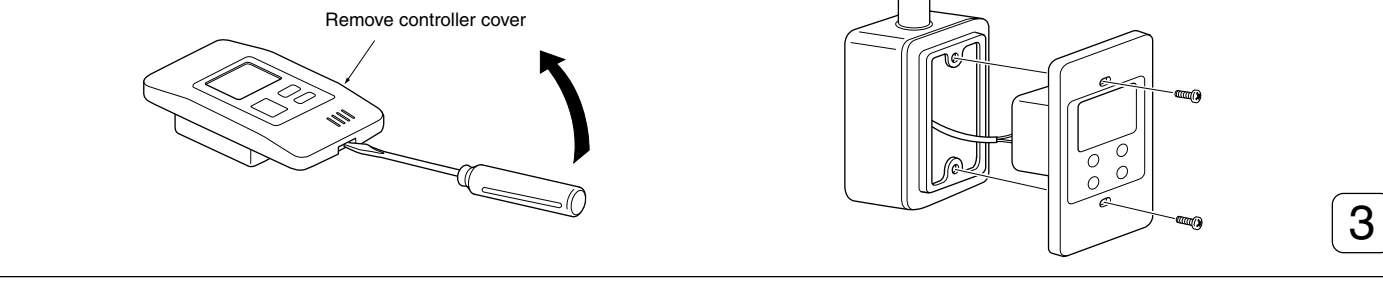
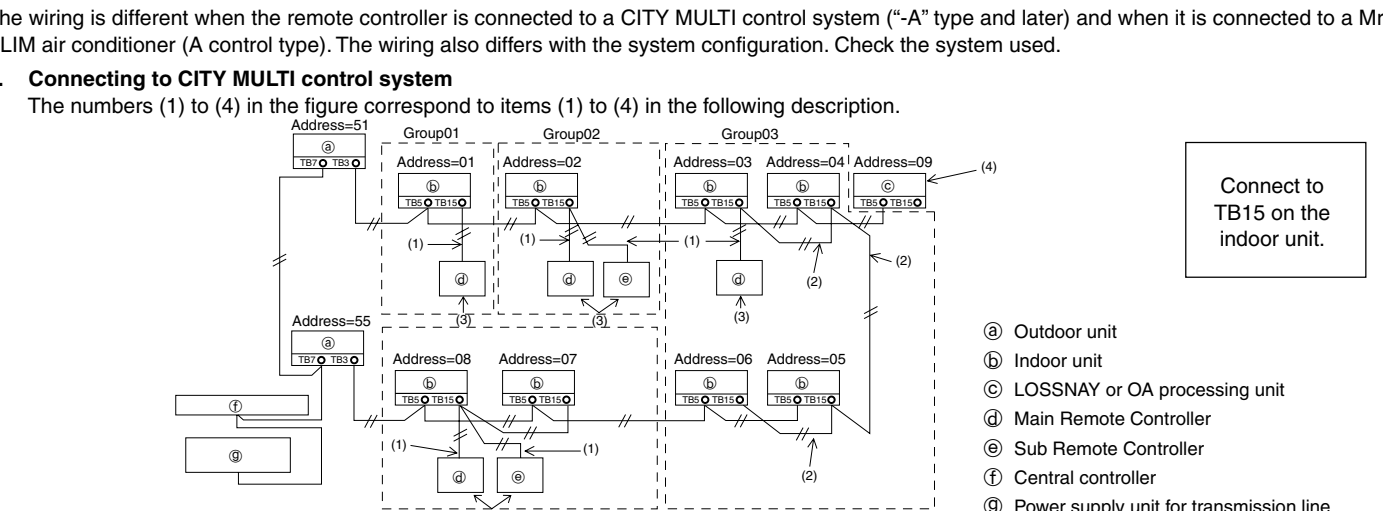
- 1. Mount the switch box
(1) Install the switch box (purchased separately) as explained below.
(2) Pull out the thin-copper wiring pipe and locknuts and bushings separately.



2 Checking the Supplied Parts

Check that the box includes the following parts in addition to this installation manual:
Remote Controller Model Name: PAC-YT51CRB
Enclosed Parts: (1) Simple MA Controller, (2) Cross-recessed pan-head screws, (3) Operation manual

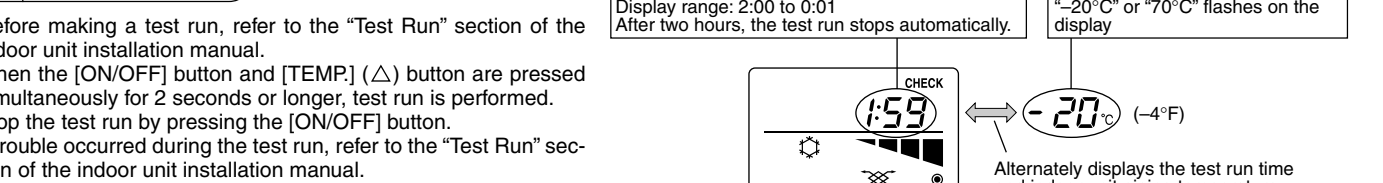
3 How To Wire Transmission Line



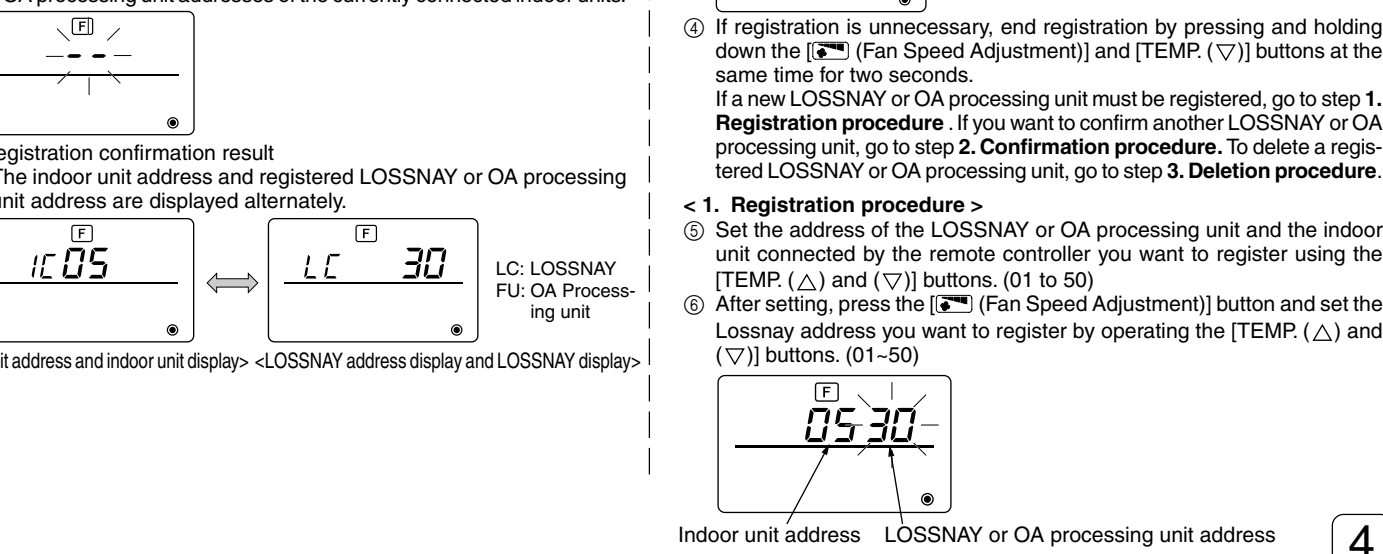
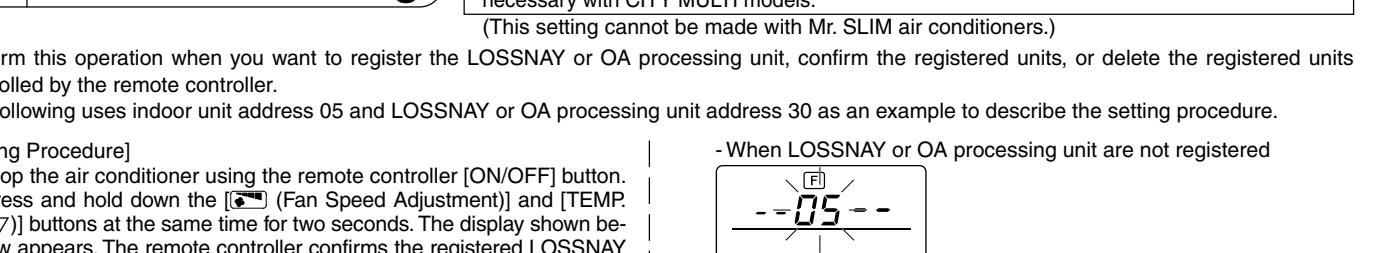
CAUTION: Forcing off the cover using a screwdriver that is less than 4 mm (5/32 in) wide may result in damage to the equipment.

- (1) Wiring from the remote controller
Connect to the MA remote controller terminal block (TB15) on the indoor unit.
(2) Operating in a group (Groups 03 and 04 above)
Interconnect the MA remote controller terminal block (TB15) of the indoor units you want to operate as a group, and connect the MA remote controller to that point.

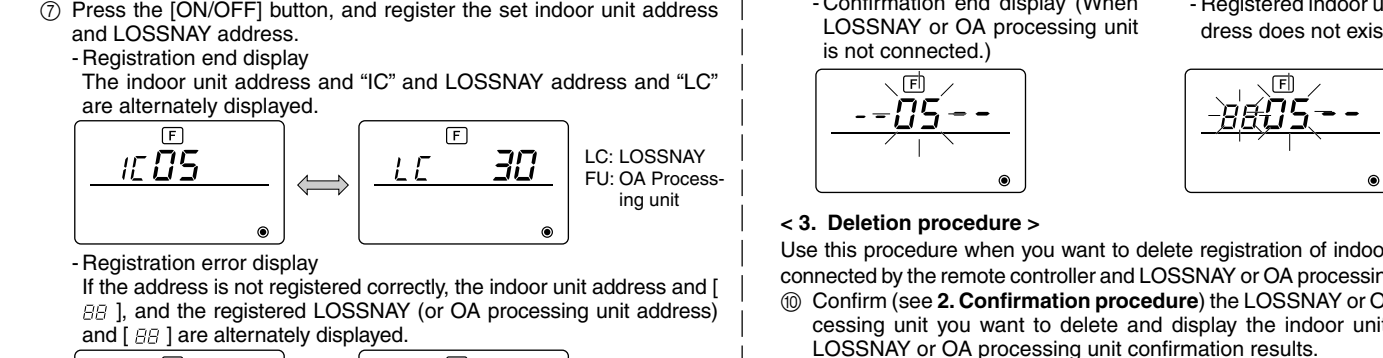
5 Test Run



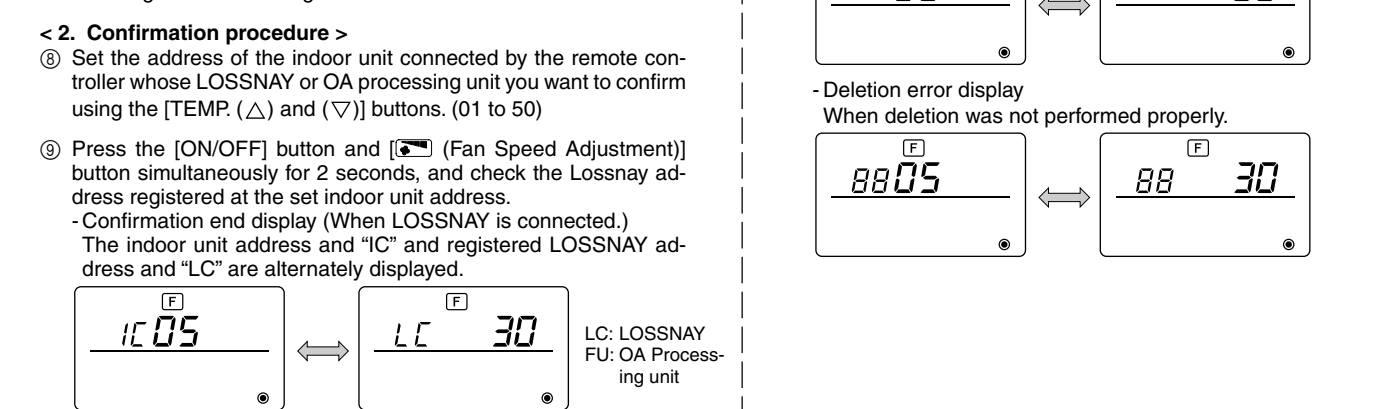
6 Ventilation Setting



- Set the refrigerant address using the outdoor unit dip switches.
All the indoor units enclosed in [] are controlled as one group.
(1) Wiring from remote controller
Connect to indoor unit TB5 (remote controller terminal block).



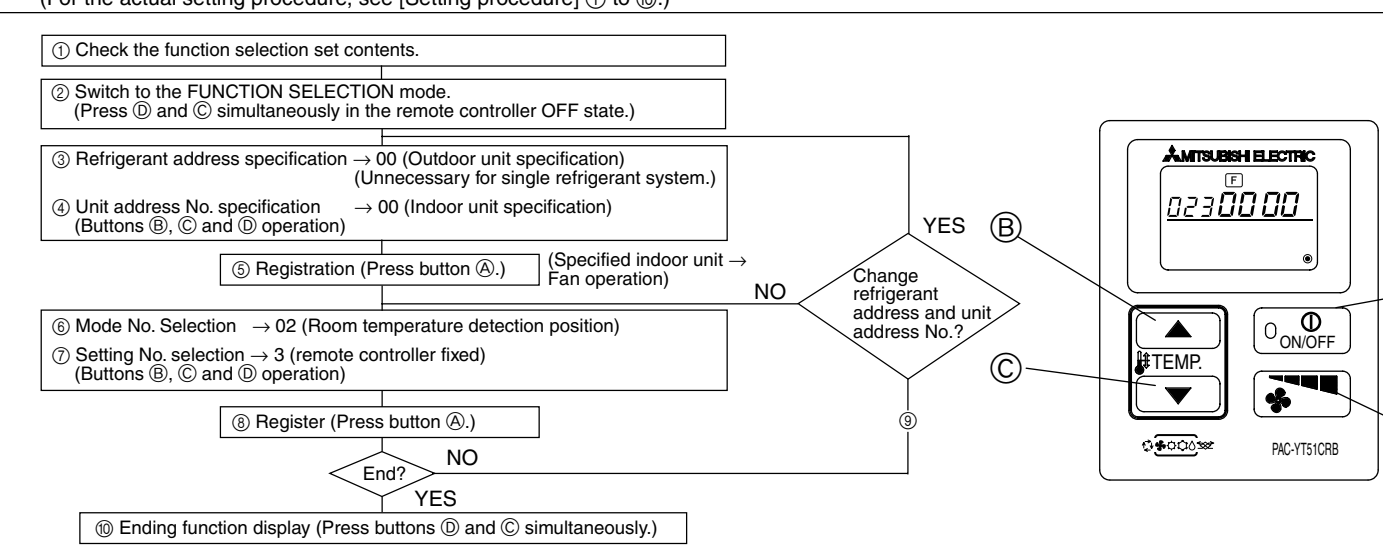
2. Confirmation procedure
Set the address of the indoor unit connected by the remote controller whose LOSSNAY or OA processing unit you want to confirm using the [TEMP] and [V] buttons. (01 to 50) and the registered LOSSNAY (or OA processing unit address) and [] are alternately displayed.



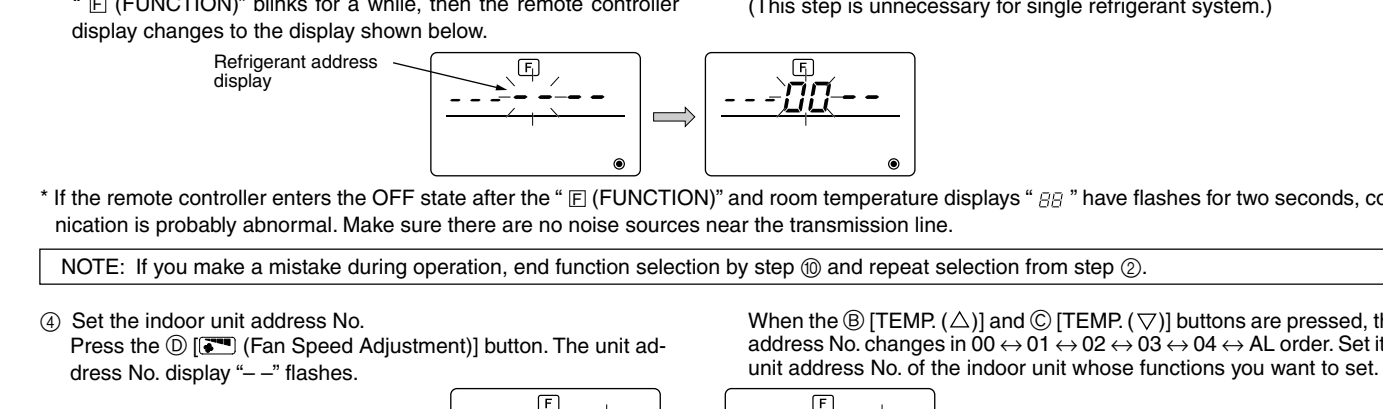
7 Function Selection

Table 1. Function selection contents (For a detailed description of the factory settings and mode of each indoor unit, refer to the indoor unit installation manual.)

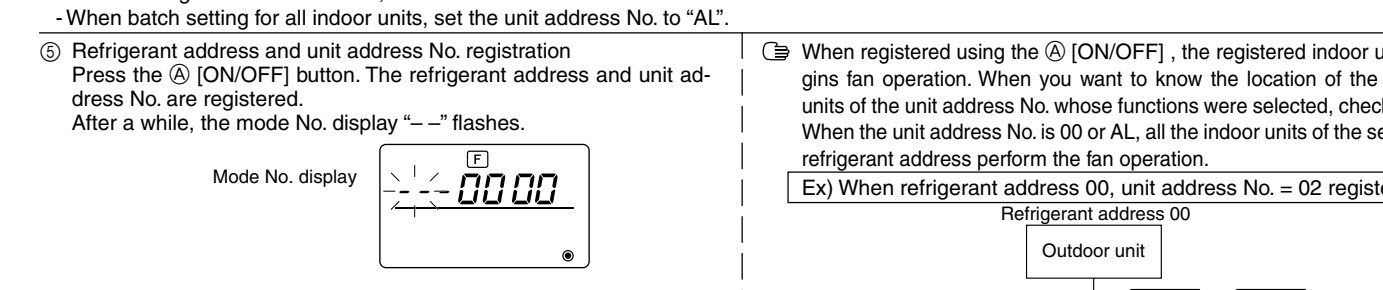
NOTE: When the indoor unit functions were changed using the function selection after installation is complete, always indicate the set contents by entering [] or [] or other mark in the appropriate check field of Table 1.



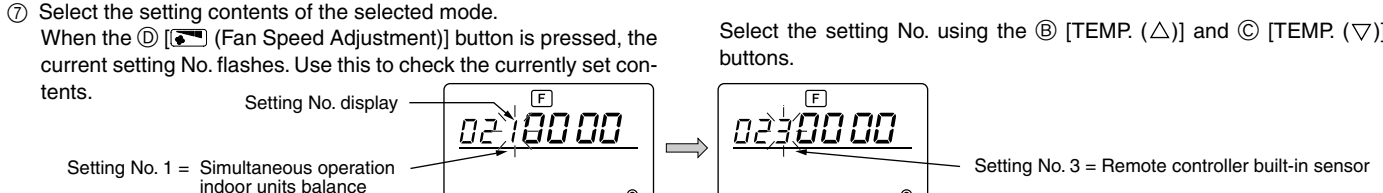
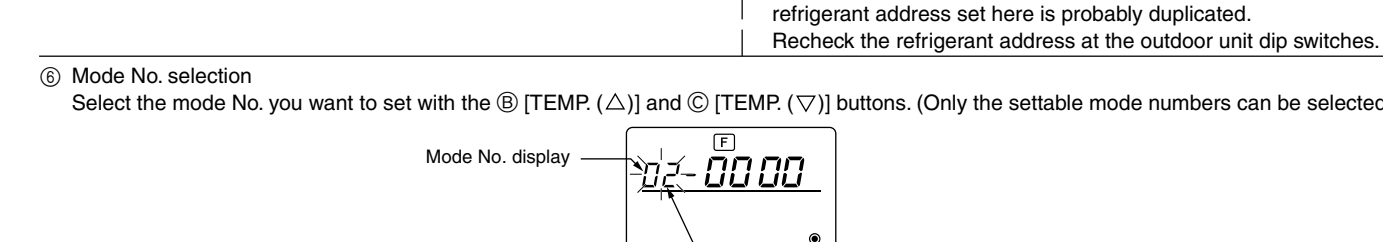
- (1) Check the set contents of each mode.
(2) Set the remote controller to OFF.
(3) Set the outdoor unit refrigerant address No.



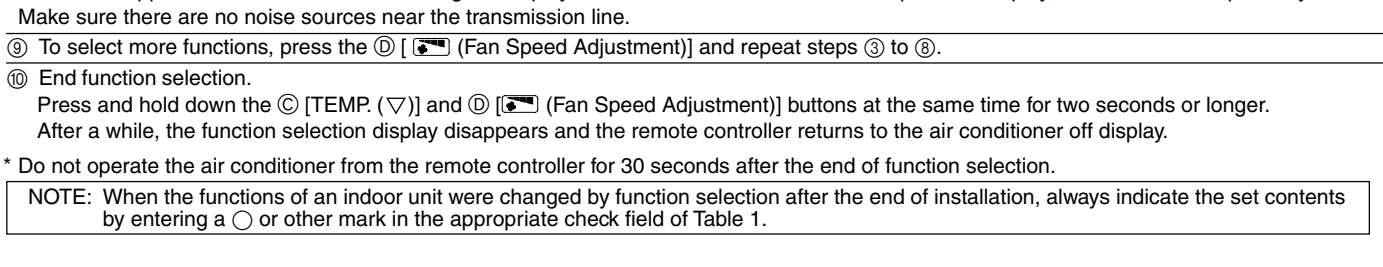
10 Temperature Range Setting



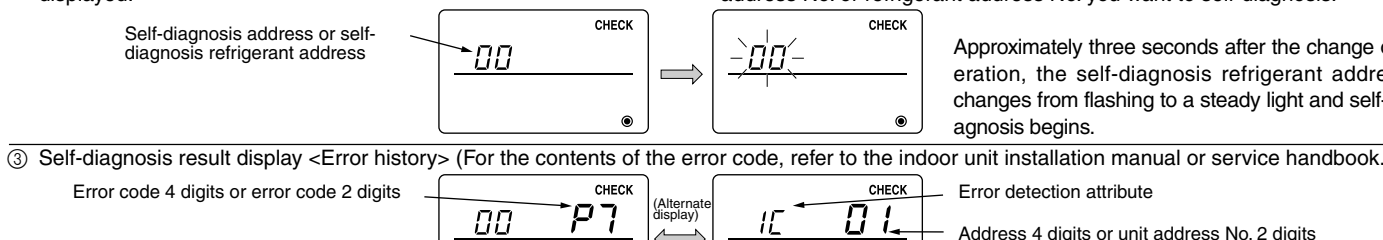
11 Auto Mode Skip Setting



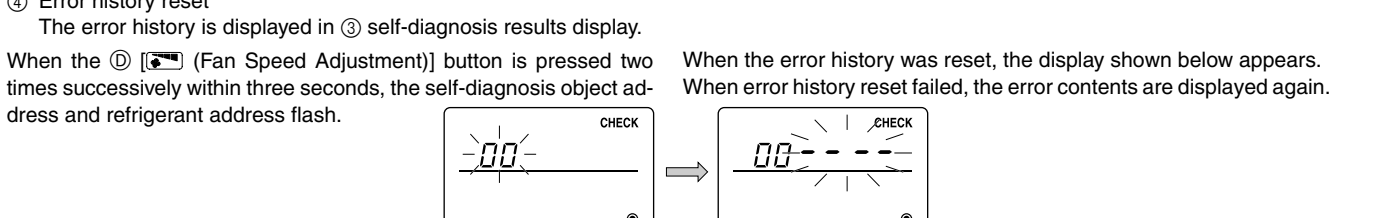
8 Self diagnosis
Set the address or refrigerant address No. you want to self-diagnose.
When the [ON/OFF] button and the [TEMP] ([V]) button are pressed, the address decreases and increases between 01 and 50 or 00 and 15. Set it to the address No. or refrigerant address No. you want to self-diagnose.



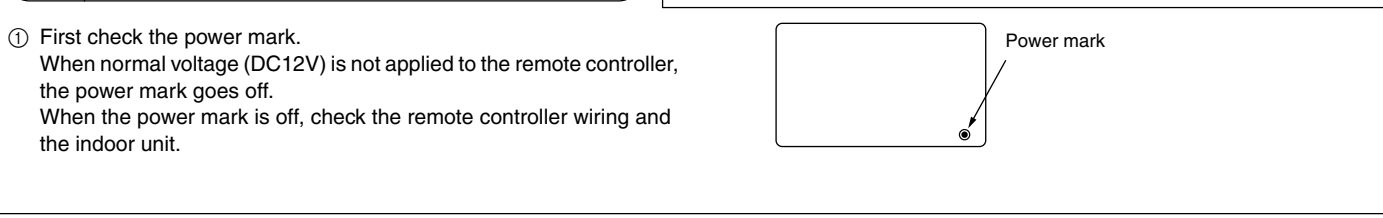
9 Remote Controller Check



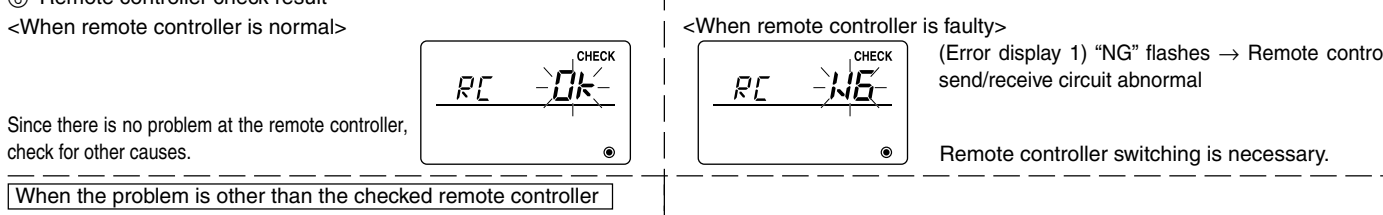
NOTE: When the air conditioner cannot be controlled from the simple MA controller, use this function to check the remote controller.



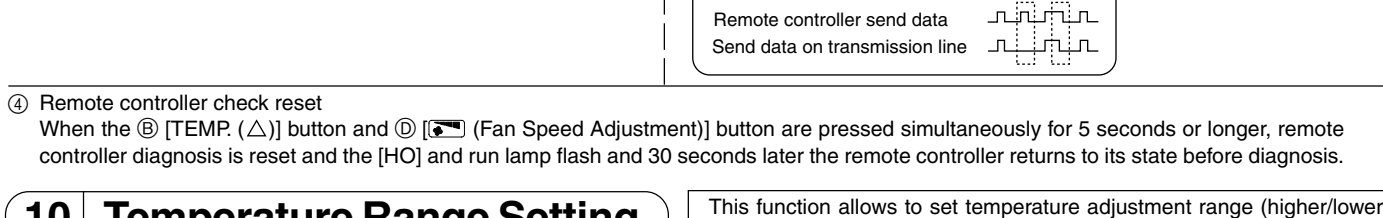
NOTE: When the remote controller is faulty, the error display 1 "NG" flashes -> Remote controller send/receive circuit abnormal



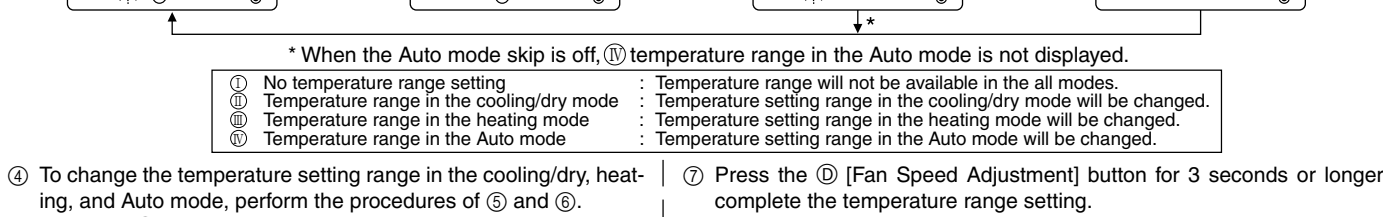
NOTE: When the remote controller is faulty, the error display 3 "ERC" and data error count are displayed -> Data error generation



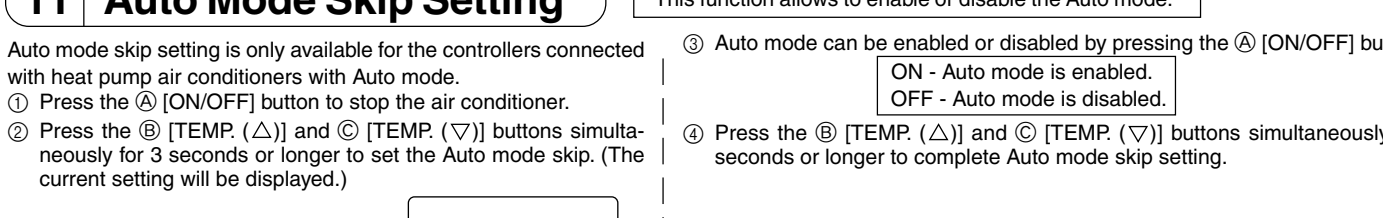
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