MITSUBISHI ELECTRIC

Building Air Conditioning Control System

Signal Receiving Unit

Installation Manual

This installation manual contains only the description of how to install the Signal Receiving Unit PAR-FA32MA. For information about how to wire and how to install air conditioning units, see the installation manual for them.

For your safety, first be sure to read "[] Safety Precautions)" described below thoroughly and then install the Signal Receiving Unit PAR-FA32MA correctly.

Safety Precautions 1

• The following two symbols are used to denote dangers that may be caused by incorrect use and their degree:

\land WA	RNING	This symbol denotes what could lead to serious injury or death if you misuse the PAR-FA32MA.
	UTION	This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAR-FA32MA.

• After reading this installation manual, keep it in a place where the final user can see it anytime. When someone moves, repairs or uses the PAR-FA32MA, make sure that this manual is forwarded to the final user.

 Ask your dealer or technical representative to install the unit. Any deficiency caused by your own installation may result in an electric shock or fire. Install in a place which is strong enough to withstand the weight of the PAR-FA32MA. Any lack of strength may cause the PAR-FA32MA to fall down, resulting in personal injury. Firmly connect the wiring using the specified cables. Carefully check that the cables do not exert any force on the terminals. Improper wiring connections may produce heat and possibly a fire. Never modify or repair the PAR-FA32MA by yourself. Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult with your dealer about repairs. 	 Ensure that installation work is done correctly following this installation manual. Any deficiency caused by installation may result in an electric shock or fire. All electrical work must be performed by a licensed technician, according to local regulations and the instructions given in this manual. Any lack of electric circuit or any deficiency caused by installation may result in an electric shock or fire. Do not move and re-install the PAR-FA32MA yourself. Any deficiency caused by installation may result in an electric shock or fire. To not move and re-install the participation may result in an electric shock or fire. To dispose of this product, consult your dealer.
	JTION
■ Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of PAR-FA32MA may cause an explosion.	■ Do not install in any steamy place such a bathroom or kitchen Avoid any place where moisture is condensed into dew. Doing so may cause an electric shock or a malfunction.
■ Do not use in any special environment. Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give	Do not install in any place where acidic or alkaline solution of special spray are often used. Doing so may cause an electric shock or malfunction.

damage to the component parts. ■ Wire so that it does not receive any tension. Tension may cause wire breakage, heating or fire.

- Completely seal the wire lead-in port with putty etc. Any dew, moisture, cockroaches, insects entering the unit may cause an electric shock or a malfunction.
- Do not wash with water.
- Doing so may cause an electric shock or a malfunction.
- Do not install in any place at a temperature of more than 40 °C (104 $^{\circ}$ F) or less than 0 $^{\circ}$ C (32 $^{\circ}$ F) or exposed to direct sunlight.

(1) Signal Receiving Unit 1

(2) Remote control cord (2 core 3 m (9 ft)) 1

Confirming the Supplied Parts

Use electrical cable in accordance with the following specifications.

0.3 - 1.25 mm² (Stranded 22 to 16 AWG) twin-core cable (CVV, CVS, VVF)

Check that the box includes the following parts in addition to this installation manual:

See the installation manual supplied with the outdoor unit for details of maximum wiring distances.

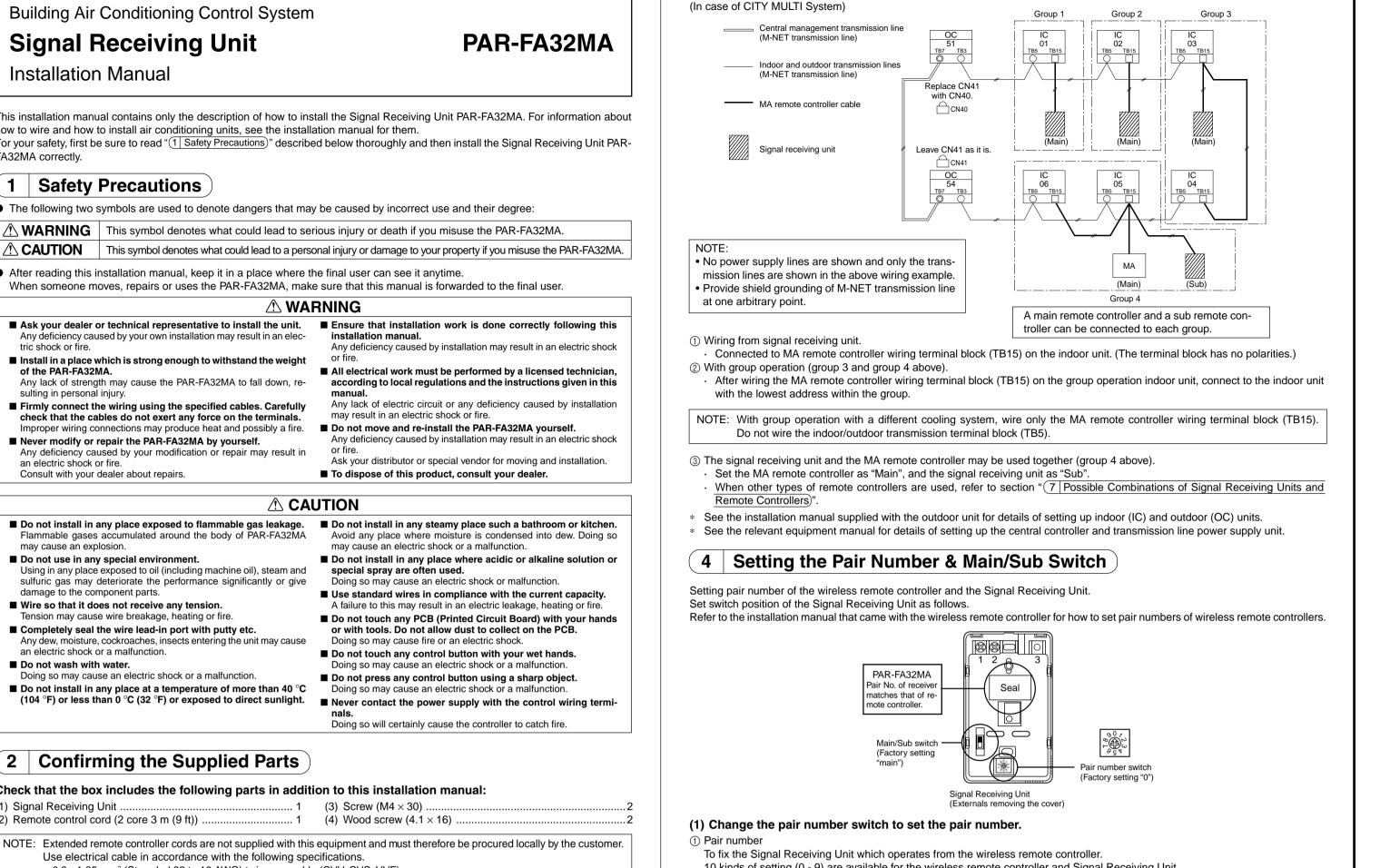
- SO
- Use standard wires in compliance with the current capacity.
- A failure to this may result in an electric leakage, heating or fire ■ Do not touch any PCB (Printed Circuit Board) with your hands
- or with tools. Do not allow dust to collect on the PCB. Doing so may cause fire or an electric shock
- Do not touch any control button with your wet hands. Doing so may cause an electric shock or a malfunction.
- Do not press any control button using a sharp object. Doing so may cause an electric shock or a malfunction
- Never contact the power supply with the control wiring terminals
 - Doing so will certainly cause the controller to catch fire.

(4) Wood screw (4.1 × 16)

CE The remote controller wire is connected to CITY MULTI System (C type or later)

Example of System Configuration

3



Use a maximum of 1.25 mm² (16 AWG) cable for signal receiving unit wiring. 0.75 mm² (18 AWG) wiring is recommended for ease of installation.

② Setting example

2

- 2-1 When setting in same room.
- Separate setting Each unit can only be operated by its own wireless

Insert the minus screwdriver toward the arrow pointed and wrench it to remove the cover. A flat screwdriver whose width of blade is between 4 and 7 mm (5/32 - 9/32 inch) must be used.

Single setting

(3) Screw (M4 \times 30) ...

(3) Installing hole when the Signal Receiving Unit is installed on the wall direct.

Bottom case Thin-wall protion

2

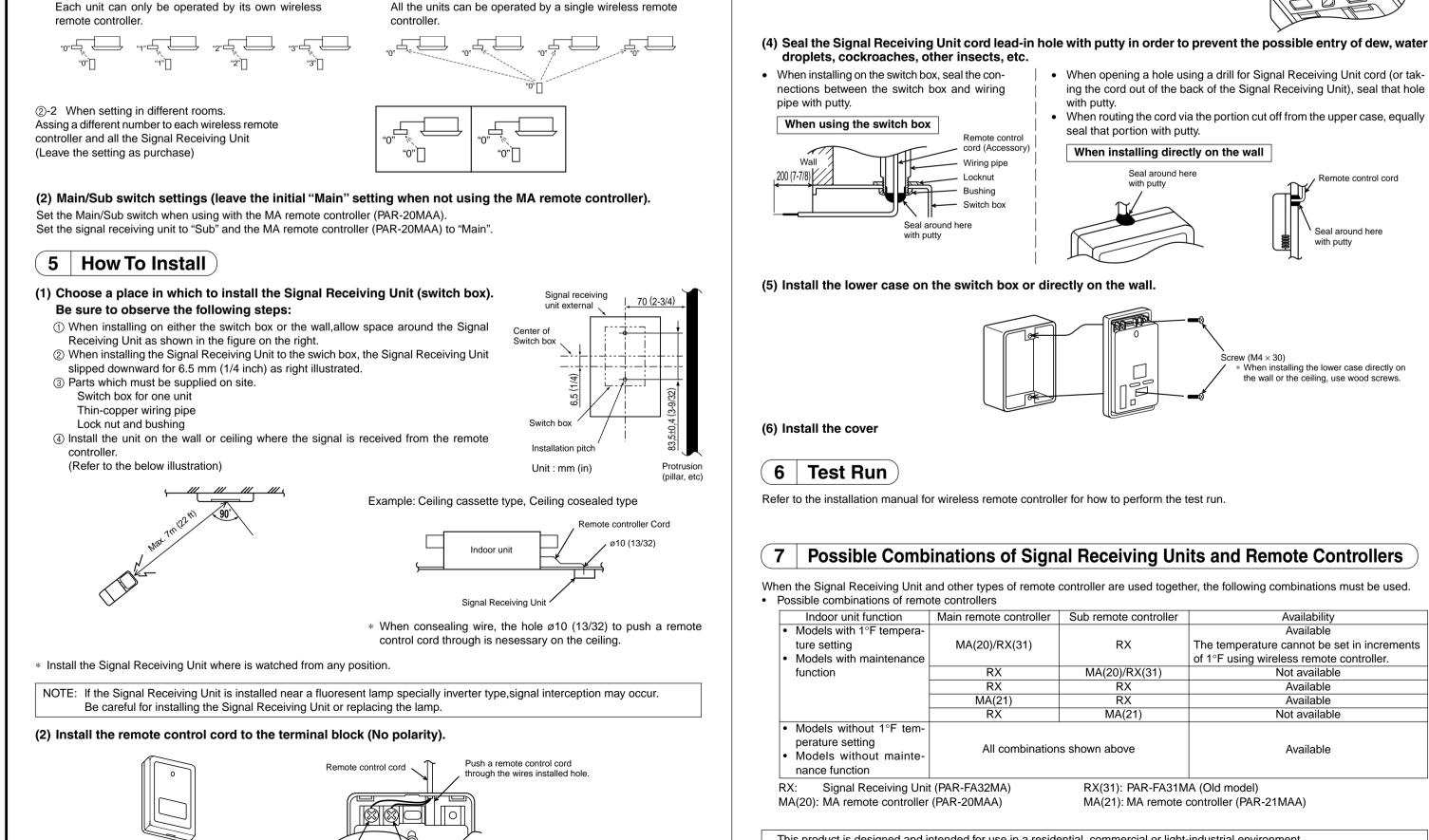
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• Cut the thin-wall portion inside the bottom case (oblique section) by a knife or a nipper. • Take out the connected remote control cord to the terminal brock through this space.

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10 kinds of setting (0 - 9) are available for the wireless remote controller and Signal Receiving Unit.

Adapt a pair number to the using wireless remote controller.



1

This product is designed and intended for use in a residential, commercial or light-industrial environment. The product at hand is based on the following EU regulations: * Electromagnetic Compatibility Directive 89/336/EEC

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