# MITSUBISHI ELECTRIC

CE

Air-Conditioning For Building Application

## **Remote Operation Adaptor**

PAC-SF40RM-E

Installation Manual

#### Applications

- \* This adaptor is for packaged air conditioners A control models.
- \* This adaptor cannot be used in combination with wireless remote controller-
- \* This adaptor cannot display leaking water errors on PDH and other such models.

This installation manual contains only the description of how to install the Remote Operatin Adaptor PAC-SF40RM-E. 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 "(1 | Safety Precautions)" described below thoroughly and then install the Remote Operation Adaptor PAC-SF40RM-E correctly.

## 1 Safety Precautions

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

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This symbol denotes what could lead to serious injury or death if your misuse the PAC-SF40RM-E.

⚠ CAUTION This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAC-SF40RM-E.

After reading this installation manual, keep it in a place where the final user can see it anytime he or she wants to it.
 When someone moves, repairs or uses the PAC-SF40RM-E, make sure that this manual is forwarded to the final user.

### **A WARNING**

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 PAC-SF40RM-E. One of the PAC-SF40RM-E to fall down, result-

ing 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 PAC-SF40RM-E 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 PAC-SF40RM-E yourself.

Any deficiency caused by installation may result in an electric shock or fire.

Ask your distributor or special vendor for moving and installation.

Do not turn on the main power until installation has been completed.

Fail to do so may cause an electric shock or fire.

### **▲ CAUTION**

Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of PAC-SF40RM-E may cause an explosion.

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 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 ar 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 where acidic or alkaline solution or special spray are often used.

Doing so may cause an electric shock or malfunction.

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. A COLOR Doing so may cause fire or an electric shock.

Do not install in any place at a temperature of more than 40°C or less than 0°C or exposed to direct sunlight.

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.

Never contact the power supply with the control wiring terminals. Doing so will certainly cause the controller to catch fire.

### 2 Confirming the Supplied Parts

(1) Parts Provided

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

Parts	Remote operation adaptor unit	② Cord clamp	Wall mount bracket
(Autorion of (Autorion of Shape Inclusion (Autorion of (Autorion of (Autorion of	(with 2 meter wire for connecting with indoor unit)	(Use this clamp if the local wiring is too thick to be held by the clamp inside the main unit.)	0 0
Quantity			
Parts	Screws for mounting ®	© Cushion material	© Tie-wrap
Shape	Ensh Journ (3.5 x 12 / 1995 (Black) In enalisation exemped Janu	(With adhesive on both sides.)  GORGEO A.  G	(Use this for bundling lead wires.)  a not is ninvest beautiful of Services of Services to the services of the
Quantity	neitarege-alm <b>q</b> baet bluse ricin.	so be affected by external notae	iuso eni estas t <b>5</b> 000 anoisnebal
Parts	O Cord clamp	® Screws for mounting ®	Screws for mounting main unit
Shape 0	ide of the cable provided that UK4	ং (enot ৪) ১ <b>জ্বোটার জিল্লা</b> এরেট বতটোর বর্নি কৌ <b>(Black)</b> এটার এরেটারত মি ৩০গাতিয়ার ৮ এবা বিভয়েন	ciru ncegi ant et pripa besu eta (grafica 3.5 x 12 ladra (Black) - besu sta shorbitut tugni tanta
Quantity		, mag alongs and <b>y</b> e diene selos. Ligações along est <b>5</b> araba ana al a	2

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(2) Locally Procured Parts

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Note: Please keep LVD. LVD;Low Voltage Directive (EC Directive of Europe)

Apply some countermeasure for wiring and relay not to be touched from outside.

Wiring should be covered by the insulation tube. @ Use relay with EU regulation.

: [	Item 1970	Part Name	Model & Specifications		
External output function		External signal output wire	Use a vinyl cord with sheath or cable  Electric wire type: CV, CVS or equivalent (2003) or grows and a finish  Electric wire size: 0.5 mm² to 1.25 mm²		
		nologije slem S	Single wire: Ø0.65 mm to Ø1.2 mm		
des <b>id</b> entación in transfer		Display lamp, etc.	No-voltage contact AC 220 to 240 V (DC30V), 1A or less		
Exte	External input function	External signal input wire	Use a vinyl cord with sheath or cable Electric wire type: CV, CVS or equivalent Electric wire size: 0.5 mm² To 1.25 mm²		
		ry garaig broit - Ligh	(Single wire: Ø0.65 mm to Ø1.2 mm)		
		Switch	No-voltage momentary contact (Operation ⇄ Stop is switched by input of a pulse of 200 ms or more)		







