Photo



PAC-IF011B/012B-E

Descriptions

With Step Interface, local units can be connected with P series heat pump outdoor units.

Applicable Models

Model	PAC-IF010-E PAC-IF011B-E	PAC-IF012B-E
Applicable Model	PUHZ-HRP·HA2 PUHZ-RP·HA4/KA	SUZ-KA·VA2 SUZ-KA·VAH PUHZ-HRP·HA2 PUHZ-RP·HA4/KA PUHZ-P·VHA3 PUHZ-P·YHA(3) PU(H)-P·HA

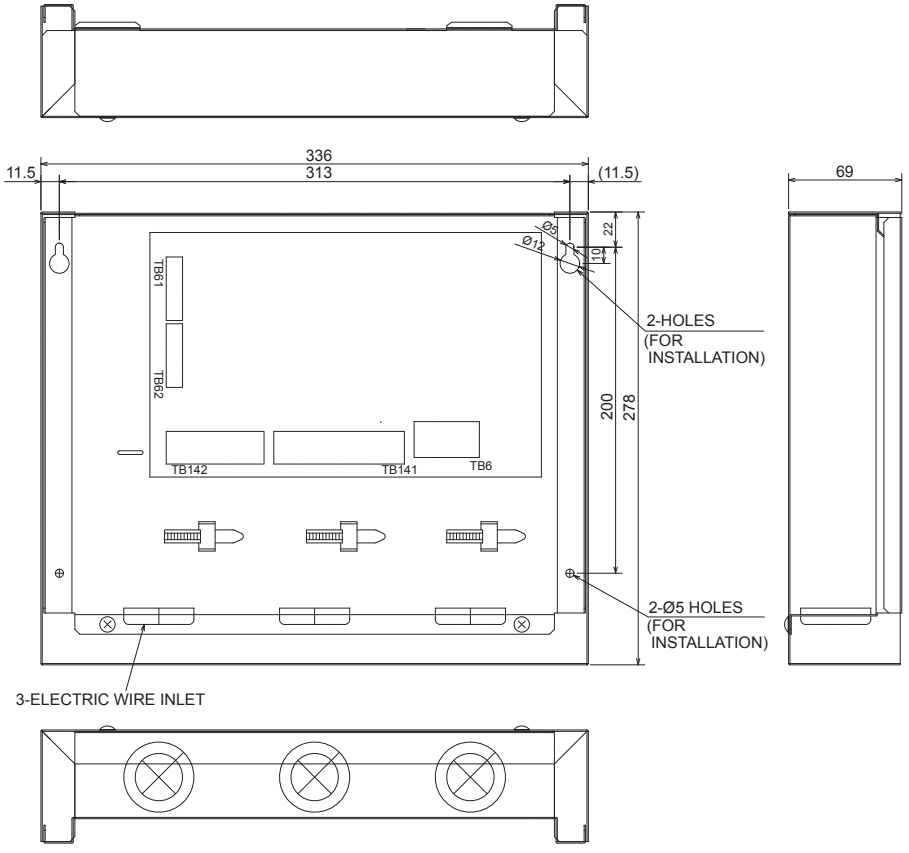
Specifications

Model	PAC-IF010-E	PAC-IF011B-E	PAC-IF012B-E
Type	PCB only (10set)	Cased	Cased
Power supply	220-240V AC,50Hz	220-240V AC,50Hz	220-240V AC,50Hz
Thermistor	—	Target temp.(TH1) Pipe temp./Liquid (TH2)	Target temp.(TH1) Pipe temp./Liquid (TH2) Pipe temp./Cond./eva (TH2)

Dimensions

Unit : mm

[PAC-IF011B-E, PAC-IF012B-E]



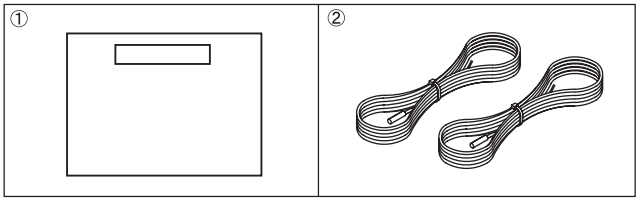
OPTIONAL PARTS

How to Use / How to Install

[PAC-IF011B-E, PAC-IF012B-E]

2. Installing the interface unit

IF011



IF012

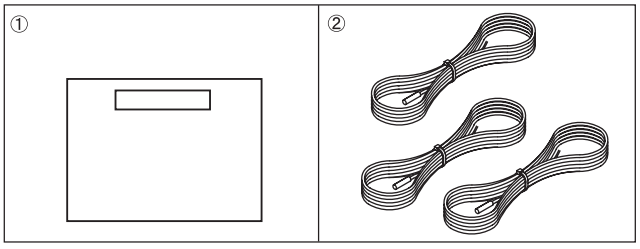


Fig. 2-1

2.1. Check the parts (Fig. 2-1)

The interface unit should be supplied with the following parts.

	Part Name	IF011	IF012
①	Interface unit	1	1
②	Thermistor	2	3

2.2. Choosing the interface unit installation location

- Do not install the interface unit in outdoor location as it is designed for indoor installation only. (The interface board and casing are not waterproof.)
- Avoid locations where the unit is exposed to direct sunlight or other sources of heat.
- Select a location where easy wiring access to the power source is available.
- Avoid locations where combustible gases may leak, be produced, flow, or accumulate.
- Select a level location that can bear the weight and vibration of the unit.
- Avoid locations where the unit is exposed to oil, steam, or sulfuric gas.

2.3. Installing the interface unit (Fig. 2-2, Photo.2-1)

1. Remove 2 screws from interface unit and remove the cover.
2. Install the 4 screws (locally supplied) in 4 holes.
   Ⓐ Screw Ⓑ Cover
   Ⓒ Hole for installation

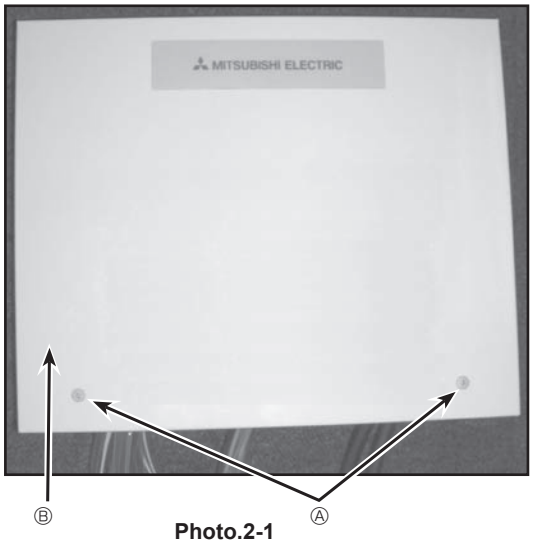


Photo.2-1

Unit:mm

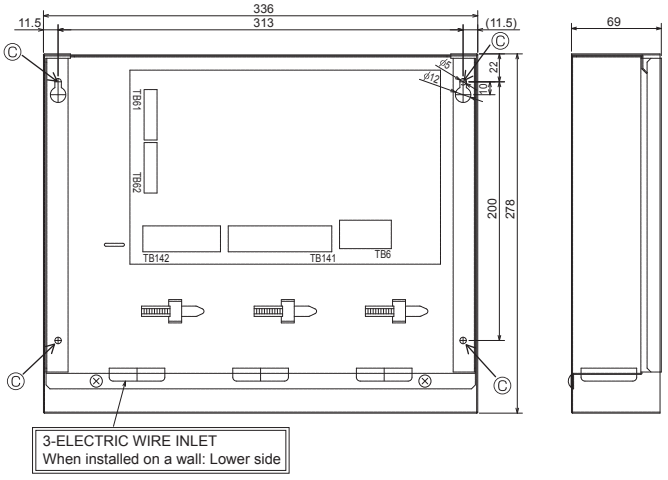


Fig.2-2

3. Electrical work

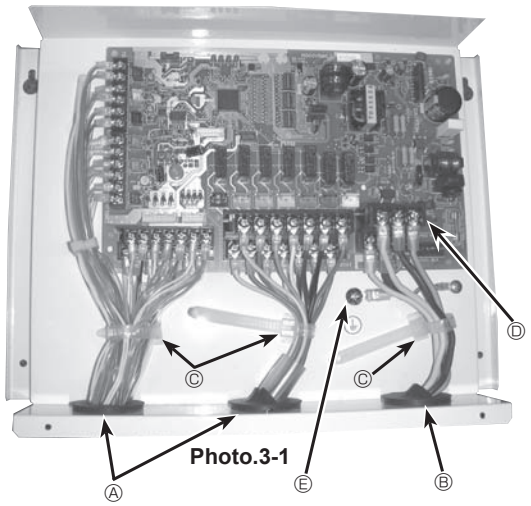


Photo.3-1

3.1. Interface unit (Photo. 3-1)

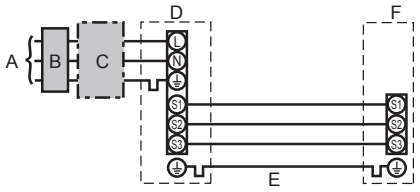
1. Remove the cover.
2. Wire the power cable and control cable separately through the respective wiring inlets given in the photo.

• Do not allow slackening of the terminal screws.

Ⓐ Inlet for control cable
Ⓑ Inlet for power
Ⓒ Clamp
Ⓓ Interface / Outdoor unit connecting terminals
Ⓔ Earth terminal

3.1.1. Interface unit power supplied from outdoor unit

The following connection patterns are available.
The outdoor unit power supply patterns vary on models.



A Outdoor unit power supply
B Earth leakage breaker
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Interface unit/outdoor unit connecting cables
F Interface unit

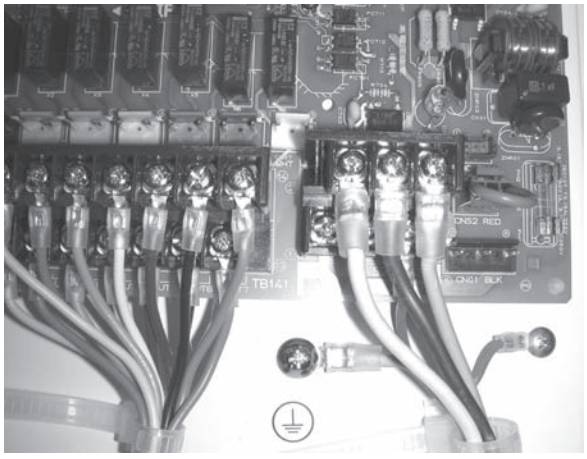


Photo.3-2

Interface unit model			PAC-IF011/012B-E
Wiring Wire No. × size (mm²)	Interface unit-Outdoor unit	*1	3 × 1.5 (polar)
	Interface unit-Outdoor unit earth	*2	1 × Min. 1.5
Circuit rating	Interface unit-Outdoor unit S1-S2	*2	AC 230 V
	Interface unit-Outdoor unit S2-S3	*3	DC24 V

*1. Max. 80 m
*2. The figures are NOT always against the ground.
S3 terminal has DC 24 V against S2 terminal. However between S3 and S1, these terminals are not electrically insulated by the transformer or other device.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Power supply cables and interface unit/outdoor unit connecting cables shall not be lighter than polychloroprene sheathed flexible cable. (Design 60245 IEC 57)
3. Install an earth longer than other cables.