Remote On/Off Input Signal Adaptor PAC-SC36NA-E

Photo

Descriptions

- This adapter connects the relay circuit and the outdoor unit control board to enable low noise mode or demand function using external input.
- All parts besides the wires for connection (timer, switch, relay, etc.) must be procured locally.

Applicable Models

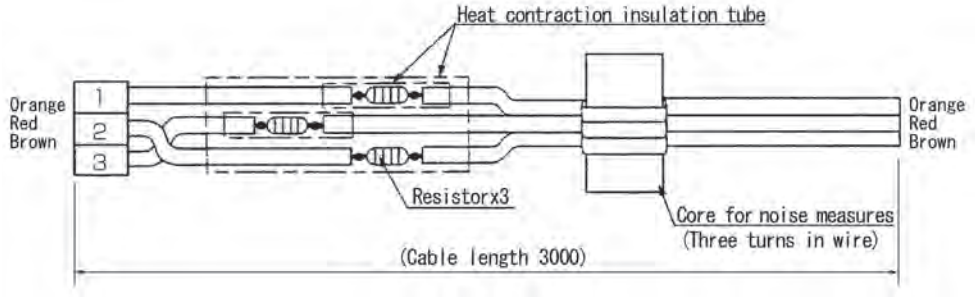
- PUZ-ZM Series
- PUZ-M Series [R32 type]
- PUHZ-ZRP Series
- PUHZ-P Series
- PUHZ-SHW Series [R410A type]

Specifications

Function	Inputs signal of low noise mode or demand function to the outdoor unit control board.
Input signal	No-voltage contact (ON/OFF level signal)
Connector	3P (connector to CNDM, CN3D, CN3S on outdoor unit control board)
Cable type	3-wire cable, for extension: sheathed vinyl cord or cable (0.5 to 1.25mm²)
Cable length	3m (max. 10m when extended locally)

Dimensions

Unit : mm



How to Use / How to Install

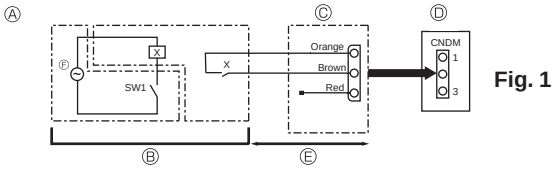


Fig. 1

Ⓐ Circuit diagram example (low noise mode)
Ⓑ On-site arrangement
Ⓒ External input adapter (PAC-SC36NA)
Ⓓ Outdoor unit control board
Ⓔ Max. 10 m
Ⓕ Power supply for relay
X: Relay

Low noise mode (on-site modification) (Fig. 1)

By performing the following modification, operation noise of the outdoor unit can be reduced by about 3-4 dB.
The low noise mode will be activated when a commercially available timer or the contact input of an ON/OFF switch is added to the CNDM connector (option) on the control board of the outdoor unit.

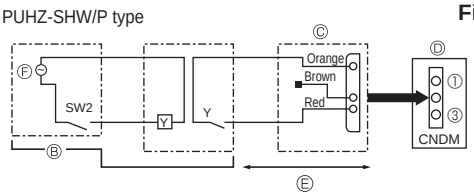
- The ability varies according to the outdoor temperature and conditions, etc.

① Complete the circuit as shown when using the external input adapter (PAC-SC36NA). (Option)
② SW1 ON: Low noise mode
SW1 OFF: Normal operation

Ⓐ

PUHZ-SHW/P type

Fig. 2



PUHZ-ZRP

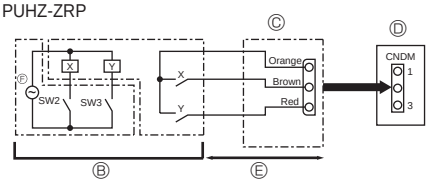


Fig. 3

Ⓐ Circuit diagram example (Demand function)
Ⓑ On-site arrangement
X, Y: Relay
Ⓒ External input adapter (PAC-SC36NA)
Ⓓ Outdoor unit control board
Ⓔ Max. 10 m
Ⓕ Power supply for relay

Demand function (on-site modification) (Fig. 2)(Fig. 3)

By performing the following modification, energy consumption can be reduced to 0 –100% of the normal consumption.
The demand function will be activated when a commercially available timer or the contact input of an ON/OFF switch is added to the CNDM connector (option) on the control board of the outdoor unit.

① Complete the circuit as shown when using the external input adapter (PAC-SC36NA). (Option)
② By setting SW7-1 (and SW7-2) on the control board of the outdoor unit, the energy consumption (compared to the normal consumption) can be limited as shown below.

PUHZ-HRP/P type

SW7-1	SW7-2	Energy consumption (SW2 ON)
OFF	OFF	0% (Stop)
ON	OFF	50%
OFF	ON	75%

MXZ-8A140VA

SW7-1	Power consumption when SW2 is on
OFF	0% (Forced compressor stop)
ON	50%

PUHZ-RP·HA4/KA

SW7-1	SW2	SW3	Energy consumption
ON	OFF	OFF	100%
	ON	OFF	75%
	ON	ON	50%
	OFF	ON	0%(Stop)

OPTIONAL PARTS