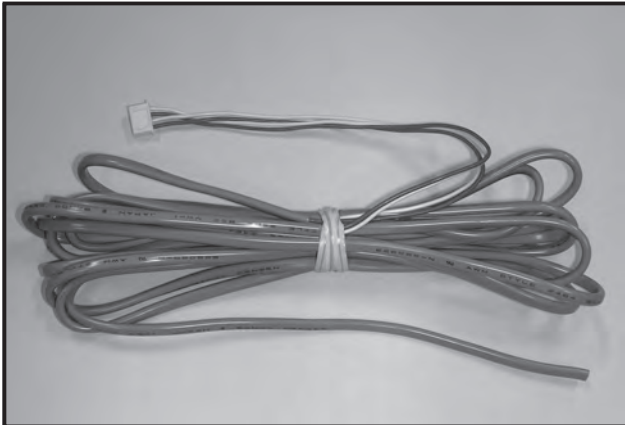


## Photo



## Descriptions

This product is an adapter which inputs the incoming signals from an open/close switch to the air conditioner and outputs the ON/OFF signals from the air conditioner to the back-up heater.

## Applicable Models

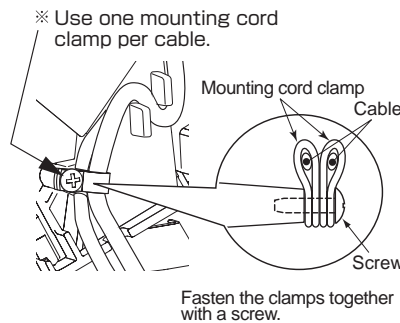
- |                     |               |              |
|---------------------|---------------|--------------|
| ■ MSZ-LN18VGW,V,B,R | ■ MSZ-DM25VA  | ■ MSZ-HJ60VA |
| ■ MSZ-LN25VGW,V,B,R | ■ MSZ-DM35VA  | ■ MSZ-HJ71VA |
| ■ MSZ-LN35VGW,V,B,R | ■ MSZ-WN25VA  | ■ MSZ-HR25VF |
| ■ MSZ-LN50VGW,V,B,R | ■ MSZ-WN35VA  | ■ MSZ-HR35VF |
| ■ MSZ-LN60VGW,V,B,R | ■ MFZ-KJ25VE2 | ■ MSZ-HR45VF |
| ■ MSZ-AP60VG        | ■ MFZ-KJ35VE2 | ■ MSZ-HR50VF |
| ■ MSZ-AP71VG        | ■ MFZ-KJ50VE2 | ■ MLZ-KP25VF |
| ■ MSZ-FH25VE2       | ■ MFZ-KT25VG  | ■ MLZ-KP35VF |
| ■ MSZ-FH35VE2       | ■ MFZ-KT35VG  | ■ MLZ-KP50VF |
| ■ MSZ-FH50VE2       | ■ MFZ-KT50VG  | ■ MSY-TP35VF |
| ■ MSZ-BT20VG(K)     | ■ MFZ-KT60VG  | ■ MSY-TP50VF |
| ■ MSZ-BT25VG(K)     | ■ MSZ-HJ25VA  |              |
| ■ MSZ-BT35VG(K)     | ■ MSZ-HJ35VA  |              |
| ■ MSZ-BT50VG(K)     | ■ MSZ-HJ50VA  |              |

## Specifications

Model name		MAC-1702RA-E	MAC-1710RA-E
Size	Length	2 m	10 m
	Diameter	4.48 mm x 3.09 mm	4.48 mm x 3.09 mm
Material	Cable core	Tinned annealed copper wire	Tinned annealed copper wire
	Insulation	Heat-resistant PVC	Heat-resistant PVC
	Sheath	Heat-resistant PVC	Heat-resistant PVC
Weight		72 g	360 g
Standards	Standards	UL2464	UL2464
	Name	2464 2CFB #23	2464 2CFB #23

### Accessory

	Part name	Illustration	Q'ty
①	Mounting cord clamp ※		2
②	Screw for mounting 4x16		1
③	Fastener (for bundling the wires)		1

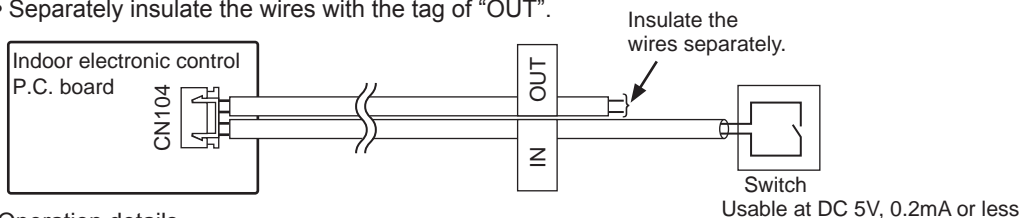


## How to Use / How to Install

### 1. Card key/Window connection with the open/close switch

#### 1. How to connect the open/close switch

- Connect the connector to CN104 on the indoor electronic control P.C. board.
- Connect the electrical wires with the tag of "IN" to the switch.
- Separately insulate the wires with the tag of "OUT".



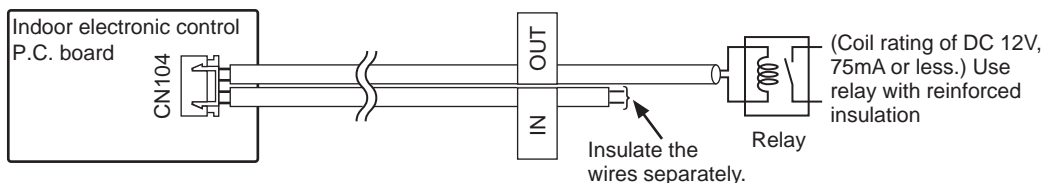
#### 2. Operation details

- Opening the switch stops operation of the air conditioner.  
A remote controller is enabled even the switch is open. To disable the remote controller, cut JR88 on the indoor electronic control P.C. board.
- When the switch closes, the ON/OFF operation from the remote controller is enabled.

**2. Back-up heating function**

1. How to connect the relay

- Connect the connector to CN104 on the indoor electronic control P.C. board.
- Connect the electrical wires with the tag of "OUT" to the relay.
- Separately insulate the wires with the tag of "IN".



2. Operation details

(1) Starting conditions

When both a) and b) are satisfied, the relay turns ON.

- a) The HEAT mode is selected. (The unit operates in the HEAT mode when the AUTO operation is selected.)
- b) In the figure below, the conditions for ON are satisfied. (NOTE 1)

(2) Releasing conditions

When either a) or b) is satisfied, the relay turns OFF.

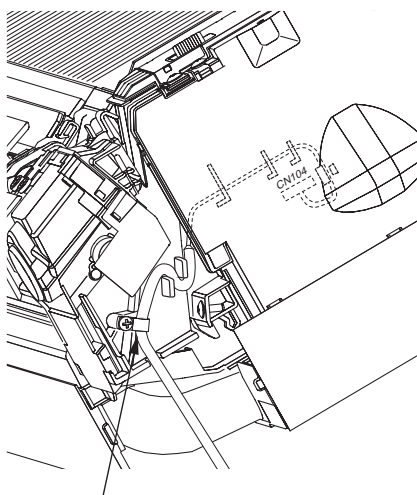
- a) The modes other than HEAT are selected. (The unit operates in the mode other than HEAT when the AUTO operation is selected.)
- b) In the figure below, the conditions for OFF are satisfied. (NOTE 1)

**NOTE 1:** Relay (heater) turns ON or OFF by the difference between room temperature and set temperature.

	Relay(heater)	Room temperature minus set temperature(Initial)	Room temperature minus set temperature (During operation)
When the ambient temperature is more than 0°C	ON	----- -2.5°C or less -----	----->----- -2.5°C      0°C
	OFF	----- more than -2.5°C -----	-----<-----
When the ambient temperature is 0°C or less	ON	----- -1.5°C or less -----	----->----- -1.5°C      0°C
	OFF	----- more than -1.5°C -----	-----<-----

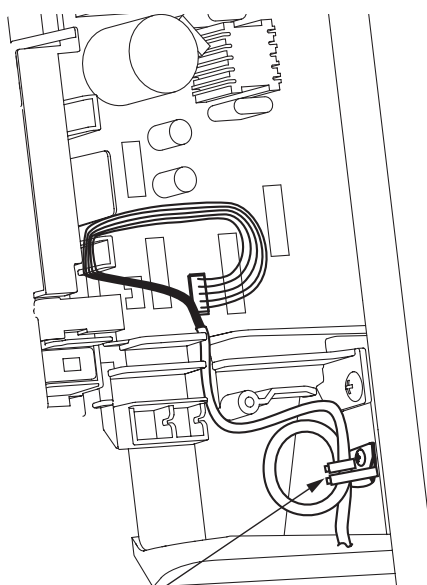
**Connecting an connector cable to the air conditioner**

Models for which the mounting cord clamp is used



Mounting cord clamp

Models for which the fastener is used



Fastener

OPTIONAL PARTS