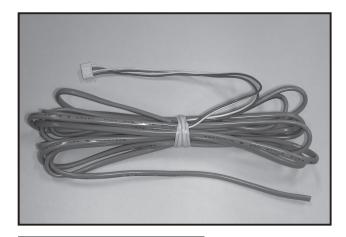
## Photo



# 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

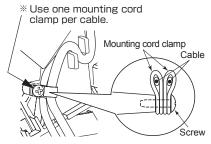
- MSZ-FH25VE2
- MFZ-KJ25VE2
- MSZ-FH35VE2
- MFZ-KJ35VE2
- MSZ-FH50VE2 MFZ-KJ50VE2
- MSZ-DM25VA
- MSZ-DM35VA

# 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	
	Insutation	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 4×16	<b>E</b>	1
3	Fastener (for bundling the wires)	***	1

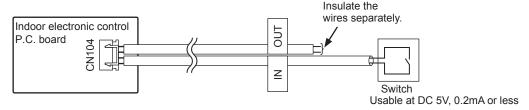


Fasten the clamps together with a screw.

# 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".

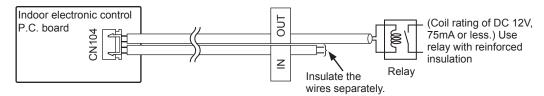


#### 2. Operation details

- 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.

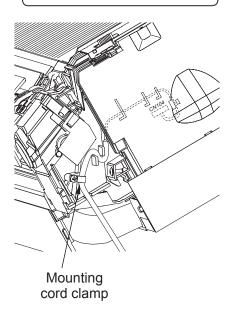
- a) The modes other than HEAT are selected. (The unit operates in the mode other than HEAT when the AUTO operation is selected.)
- b) In the figure below, the conditions for OFF are satisfied. (NOTE 1)

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

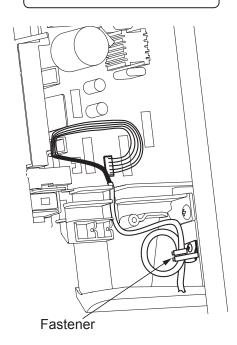
F	Relay(heater)	Room temperature minus set temperature(Initial)	Room temperature minus set temperature (During operation)	
When the ambient temperature is more than 0°C		- more than -2.5°C	-2.5°C	0°C
When the ambient temperature is 0 °C or less		- more than -1.5°C	-1.5°C	0°C

### Connecting an connector cable to the air conditioner

Models for which the mounting cord clamp is used



Models for which the fastener is used



OPTIONAL PARTS