

**MANUFACTURED FOR:**  
MITSUBISHI ELECTRIC SALES CANADA INC.

**CM-BPH-460**

for use with all:  
CITY MULTI<sup>®</sup> 460V CONDENSING UNITS

**Electric Base Pan Heater - 460V**

## INSTALLATION INSTRUCTION MANUAL

FOR INSTALLER

For safe and effective use of this kit, please read this installation manual thoroughly before installing these components.

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**\*WARNING\*** MAKE SURE TO DISCONNECT POWER TO THE CONDENSER UNIT AND WAIT FOR 10 MINUTES BEFORE STARTING THE INSTALLATION.

MAKE SURE ALL CONNECTIONS ARE TIGHT AND SECURE.

BE EXTREMELY CAREFUL WHEN INSTALLING THE HEATER UNDER THE UNIT NOT TO PUNCTURE HOLE IN CONDENSER COIL OR OTHER REFRIGERANT PIPES. ALWAYS CHECK BEHIND THE SURFACE THAT YOU ARE DRILLING OR PUNCHING THE SCREW FOR REFRIGERANT PIPES, ELECTRICAL WIRING OR OTHER COMPONENTS.

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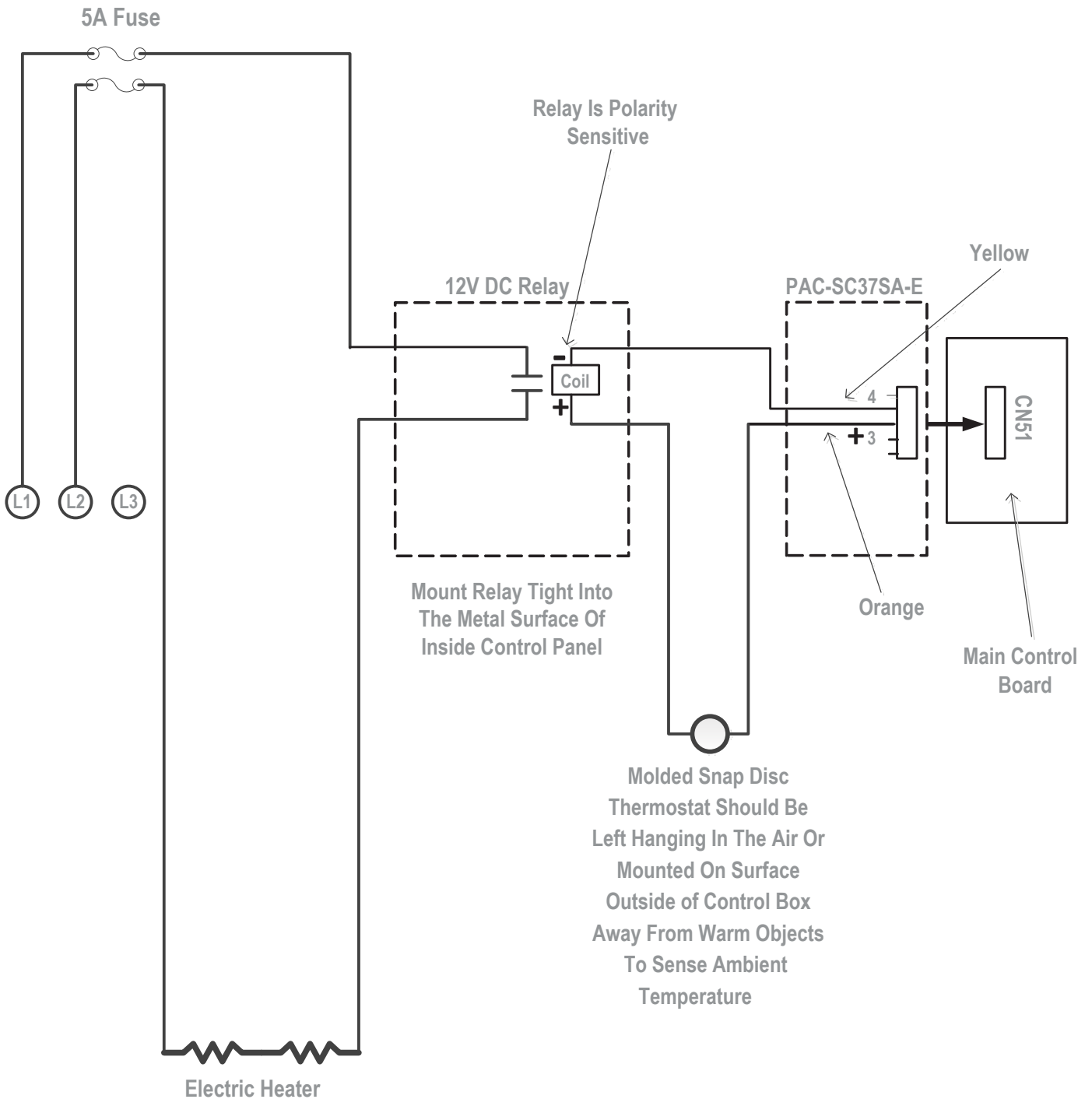
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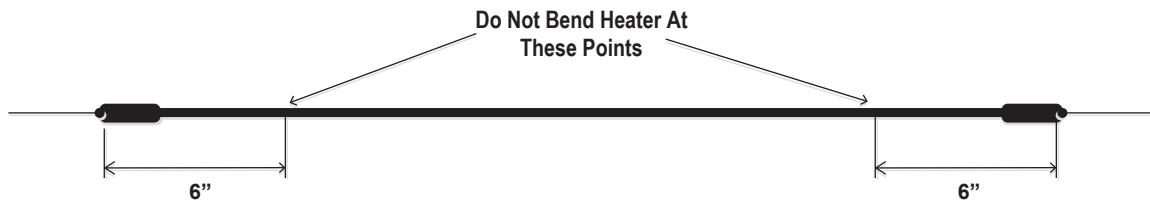
## Material List - 460V Heater

	ITEM	QUANTITY	PURPOSE
1	Metal clamp	10	To hold heater to the surface
2	Insulated crimp connector 5/16 Stud	2	To connect wires to main power L1, L2
3	Insulated crimp spade connector	4	To connect wires to fuse block
4	Insulated crimp connector 22-18 AWG(red)	2	To connect wires from PAC-SC37SA-E To the coil side of the relay
5	Insulated crimp connector 16-14 AWG(blue)	2	To connect wires to the contact side of the relay
6	5 AMP time delay fuses	2	Protection fuses
7	Self-taping Stainless steel screws 8x1/2 hex	10	To connect clamps and heaters to surface
8	460V Fuse holder	2	For protection fuses
9	Tie wrap	4	To organize the wiring inside the panel
10	PAC-SC37SA-E*	1	For compressor signal output to control the heater
11	12V DC coil/0.9W max, 460V contact relay	1	To operate the heater
12	Tubular element	1	Heater element to heat the base pan of the unit
13	Snap disc thermostat	1	Control heater based on outdoor temp.
14	Instruction Sheet	1	Installation instruction

**\*This item is required to control the Electric Heater but is not included in the kit and must be purchased separately from MESCA.**

# Electric Circuit for 460V heater





**Heater is flexible and can be bended on the Field to Maximum 1" Round**

**Heater can be installed inside or under the unit depending on the site situation**

**Make sure the Heater Element is snug to the Metal Surface**

**The First 5" of the Heater Element is not heated**

## Installation Example



**Manufactured for MITSUBISHI ELECTRIC SALES CANADA INC.**

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