

Electric Base Pan Heater Installation - 460V Heater

WARNING

Make sure to disconnect power to the condensing unit and wait for 10 minutes before starting the installation.

Make sure that all connections are tight and secured.

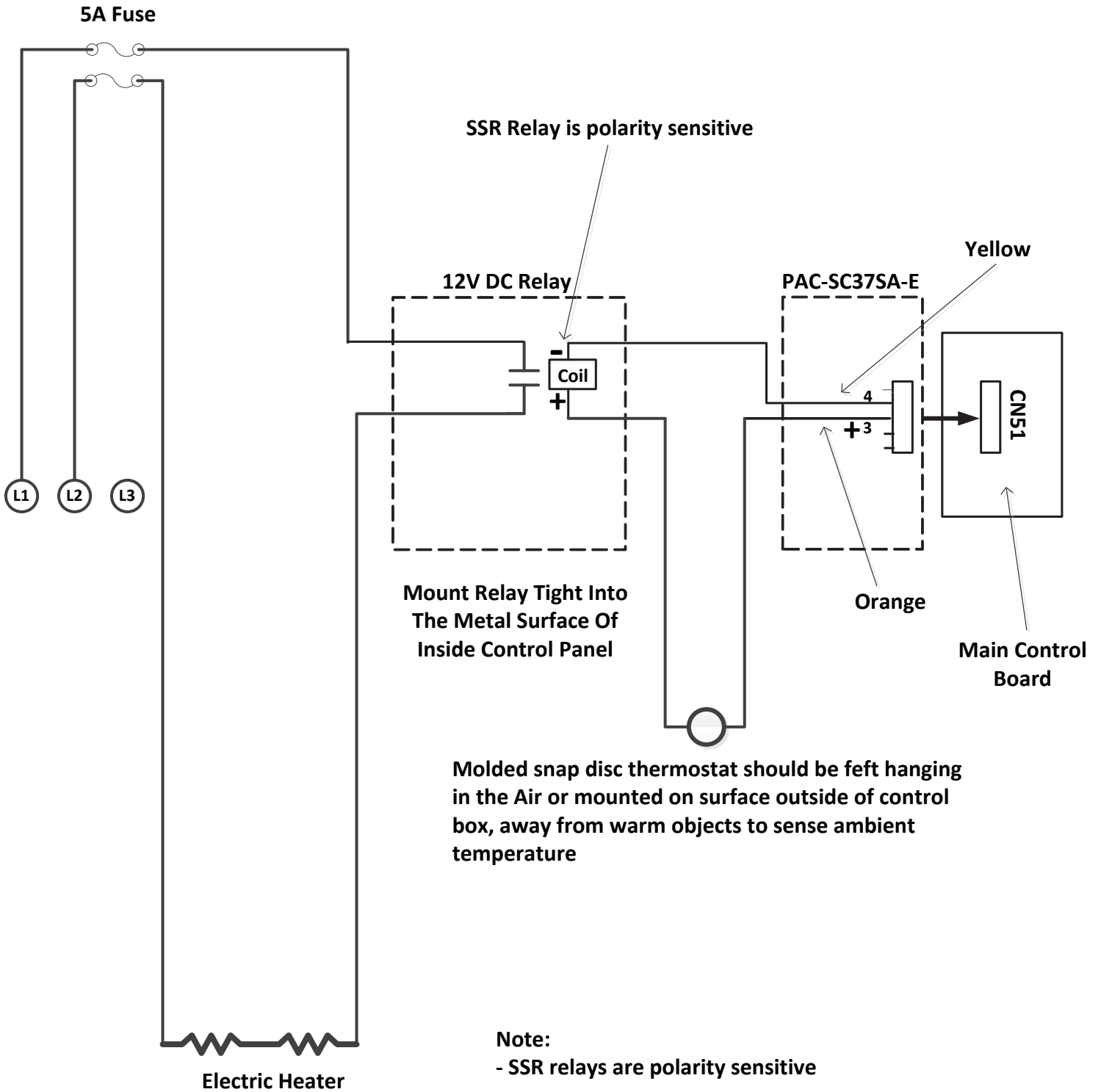
Take extra precautions when installing the heater under the unit not to puncture condenser coil and other refrigerant pipes. Always inspect the surface that you are drilling for punching the screw that may have refrigerant pipes, electrical wiring and other components.

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	For proper 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	To control heater based on outdoor temp.
14	Installation Manual (IM-CM Heater 460V)	1	Heater 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 - 460V Heater

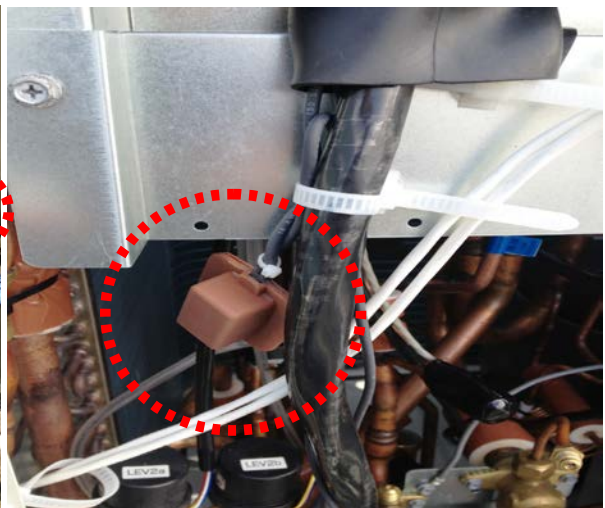
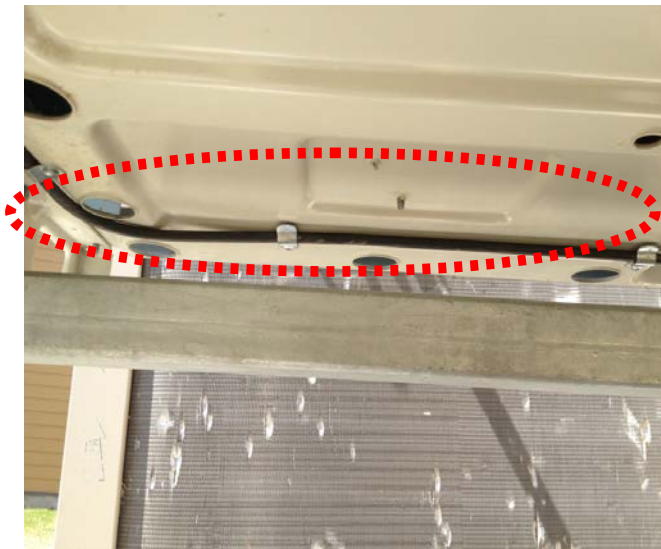
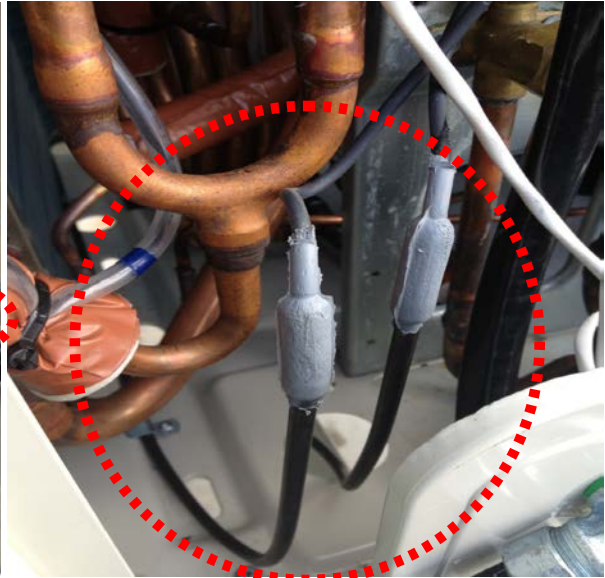
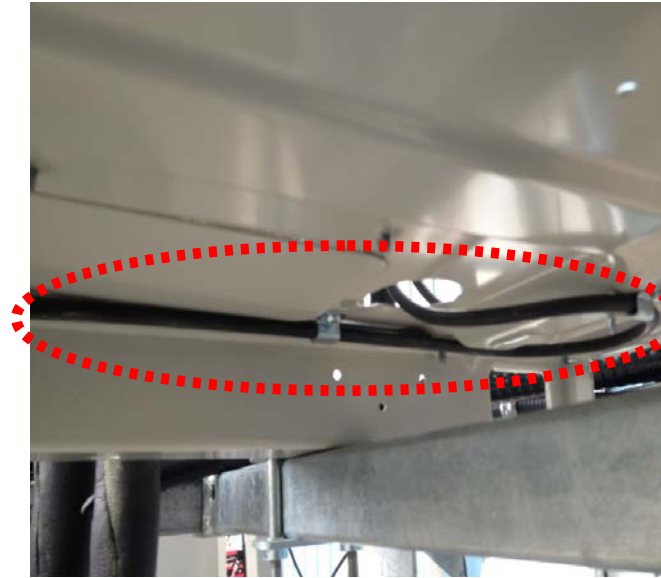


Note:

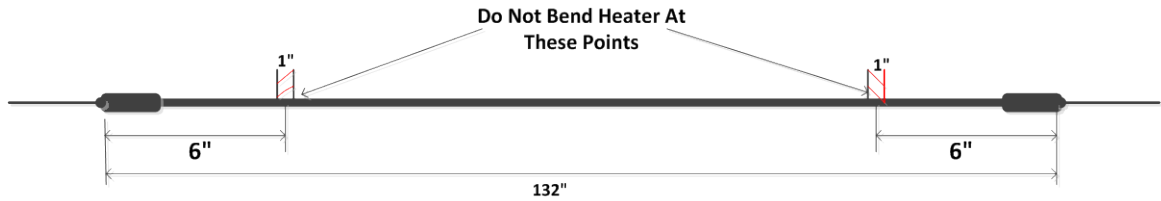
- SSR relays are polarity sensitive

- These relays can't be tested like magnetic relays with a meter if the load is not connected and they are not powered.

Installation Example - 460V Heater (For Reference Only)



Installation - 460V Heater



- Heater element is flexible and can be bended in the field to a maximum of 1" round.
- Heater can be installed inside or outside the units as per site conditions and requirements.
- Make sure that the heater element is firmly snug to metal surface.

The First 5" of the Heater Element is not heated
