

# PATIO DOOR HEATER | PDH SERIES RELAY INSTALLATION

## RE153 - RE156 SERIES

### JUNCTION BOX INSTALLATION AND WIRING - LEFT SIDE ONLY



## WARNING

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. The following instructions must be adhered to in order to avoid personal and serious injuries, property damages and potentially fatal electric shocks. Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit. Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

1. Position the relay on the left-hand support. FIG. 1
2. Insert the voltage separator FIG. 2
3. Screw down the relay. FIG. 3
4. Pass the blue wires of the relay through the hole of the separator. FIG. 4
5. Screw the assembly in the left junction box. FIG. 5
6. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knockouts (KOE). Then, insert the same wires into the voltage separator hole, (FIG. 4). Connect the low voltage wires with the relay wires mentioned in paragraph 4, using an appropriate wire nut. For the connections, refer to the diagram included with the relay.
7. Connect the wire coming from the wireway to a black wire of the relay using with a wire nut. FIG. 6
8. Connect the second black wire of the relay to a line feed using a wire nut. Connect the wire coming from the element to the second line feed wire.
9. Close the junction box and replace the cover, making sure the wires are well positioned.



FIG. 1



FIG. 2



FIG. 3



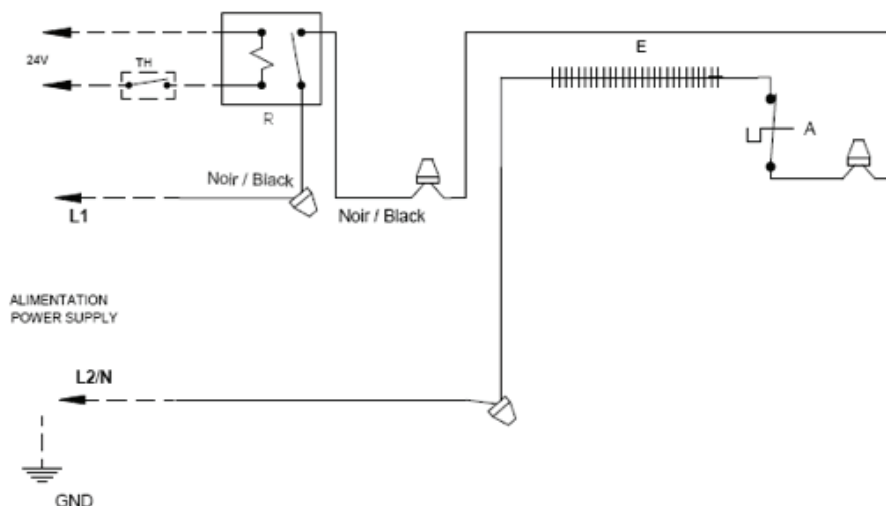
FIG. 4



FIG. 3



FIG. 4



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1. Position the relay on the right-hand support. FIG. 1
2. Insert the voltage separator. FIG. 2
3. Screw down the relay. FIG. 3
4. Pass the blue wires of the relay through the hole of the separator. FIG. 4
5. Screw the assembly in the right junction box. FIG. 5
6. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knockouts (KOE). Then, insert the same wires into the voltage separator hole, FIG. 4. Connect the low voltage wires with the relay wires mentioned in point 4 above, using an appropriate wire nut. For the connections, refer to the diagram included with the relay.
7. Connect the thermal protection wire to a black wire of the relay using a wire nut. (FIG. 6)
8. Connect the second black wire of the relay to a line feed (L1) using a wire nut. Connect the wire coming from wireway to second line feed wire (L2/N).
9. Close the junction box and replace the cover, making sure the wires are well positioned.



FIG. 1



FIG. 2



FIG. 3



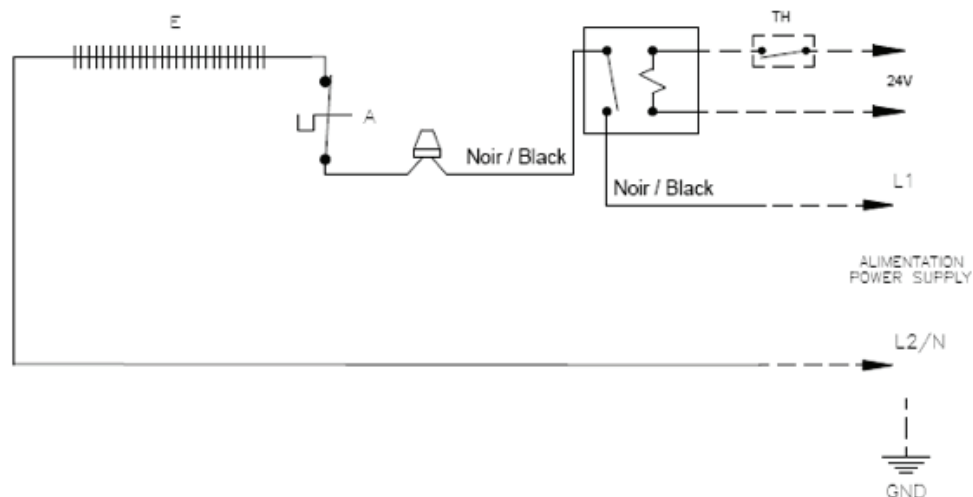
FIG. 4



FIG. 5



FIG. 6



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1. Remove the front cover of the baseboard.
2. Remove the plastic protectors from both sides of the voltage separator supplied. FIG. 1
3. Position the separator on the top of the relay and position the relay in the junction box (with the arrow pointing towards the top of the box) and install with screws in the upper left corner of the junction box. FIG. 2 & 3
4. Insert the black, red and white relay wires (control side) into the hole of the voltage separator. FIG. 3
5. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knock outs (KOE). Then, insert the same wires into the voltage separator hole. Connect the low voltage wires with the relay wires using a wire nut. Refer to the diagram included with the relay for the different options.
6. Connect the blue relay wire with the wire that comes out of the wire way (at the top of the unit) by using an appropriate wire nut. FIG. 4
7. Connect the white relay wire (power side) to the element wire and a line feed wire (L2/N) by using an appropriate wire nut. FIG. 5
8. Screw a wirenut on the black 24V relay wire.
9. Connect the black relay wire (power side) to the other wire coming from the line feed (L1) by using an appropriate wire nut.
10. Close the junction box and replace the cover, making sure the wires are positioned properly.

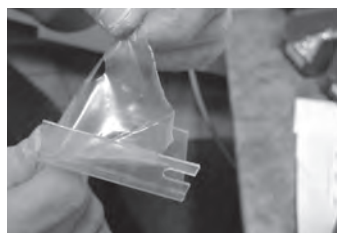


FIG. 1



FIG. 2



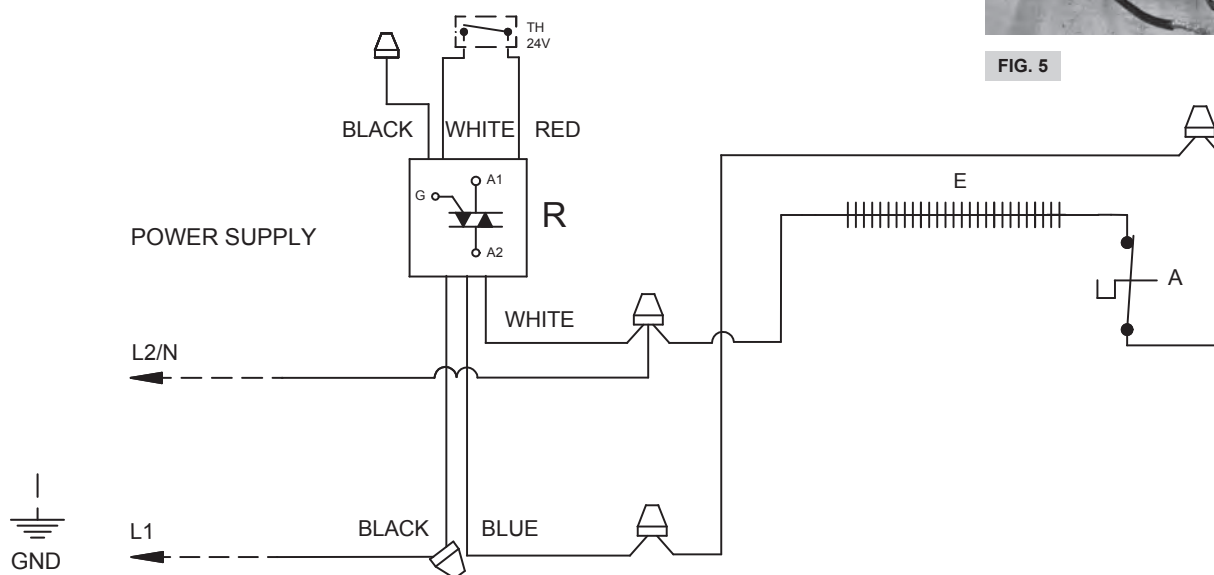
FIG. 3



FIG. 4



FIG. 5



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1. Remove the front cover of the baseboard.
2. Remove the plastic protectors from both sides of the voltage separator supplied. FIG. 1
3. Position the relay on top of the separator (with the arrow pointing towards the top of the box) and install the separator on the top of the relay and install with screws. FIG. 2
4. Insert the black, red and white relay wires (control side) into the hole of the plastic separator. FIG. 2
5. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knock outs (KOE). Then, insert the same wires into the voltage separator hole. Connect the low voltage wires with the relay wires using a wire nut. Refer to the diagram included with the relay for the different options.
6. Connect the blue relay wire with the wire that comes out of the wire way (at the top of the unit) by using an appropriate wire nut. FIG. 3
7. Connect the white relay wire (power side) to the thermal protection wire and a line feed (L2/N) wire by using an appropriate wire nut.
8. Connect the black relay wire (power side) to the other wire coming from the line feed (L1) by using an appropriate wire nut.
9. Close the junction box and replace the cover, making sure the wires are well positioned.



FIG. 1



FIG. 2



FIG. 3

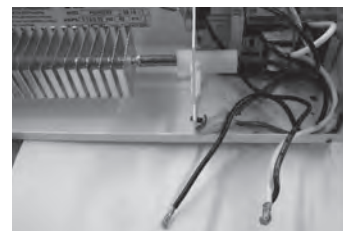


FIG. 4

