

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. Remove the front cover of the baseboard.
2. Position the relay on the bracket provided (with the arrow pointing towards the top of the box) and fasten on the bracket with screws (FIG. 1). NOTE: Perform the power and ground connections before installing the support in the junction box.
3. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knock outs (KOE) (FIG. 2). Connect the low voltage wires with the relay wires using the appropriate wire nuts. Refer to the diagram included with the relay to make the connections. Important: Only use 600V conductors, resistant to 75°C.
4. Connect one of the black relay wires to the wire that comes out of the wire way (at the bottom of the unit) by using an appropriate wire nut. (FIG. 3)
5. Connect the other black relay wire to a line feed wire by using an appropriate wire nut. (FIG. 4)
6. Place the relay in the left junction box lined up with the corresponding holes and fasten with screws. (FIG. 5)
7. Close the junction box and replace the cover, making sure the wires are well placed inside the box.

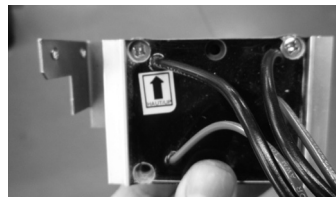


FIG. 1



FIG. 3

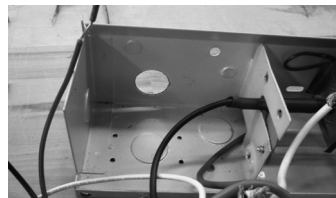


FIG. 2

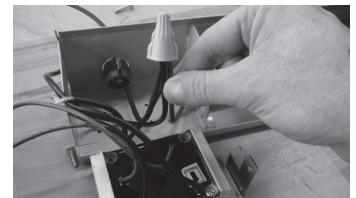
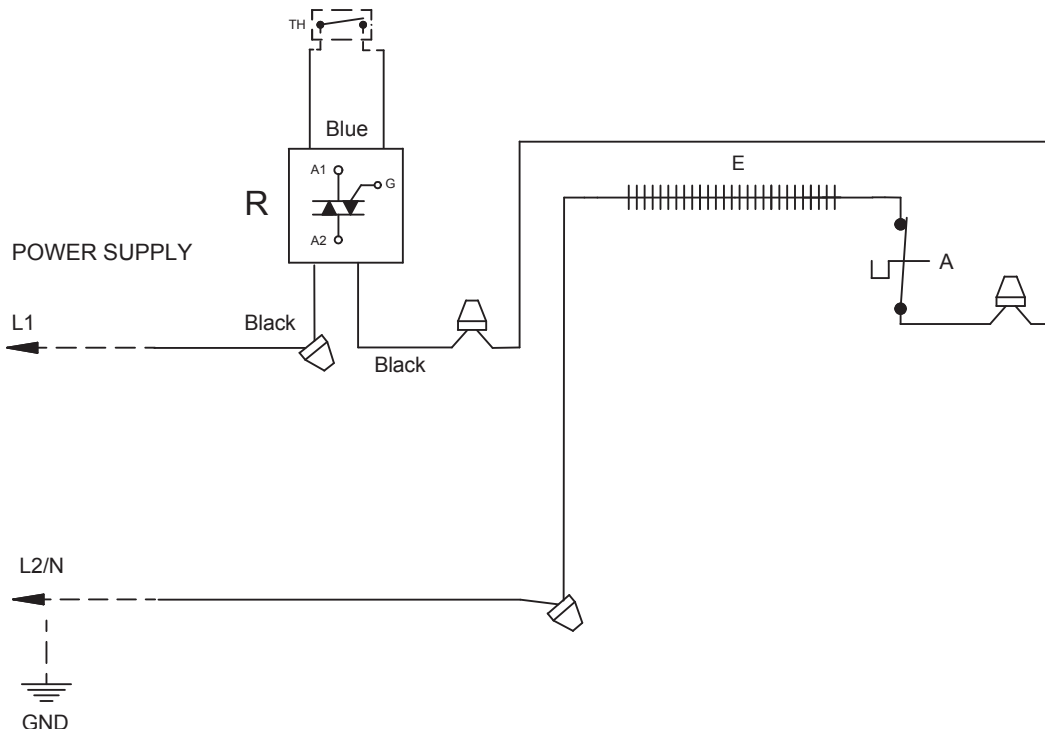


FIG. 4



FIG. 5



RELAY INSTALLATION

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JUNCTION BOX INSTALLATION AND WIRING - LEFT SIDE WITH CONNECTION ON RIGHT



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1. Remove the front cover of the baseboard.
2. Position the relay on the support bracket (with the arrow pointing upwards) and install with screws (FIG.1). NOTE: Perform the ground connection before installing the relay in the junction box.
3. Position the relay support bracket in the left junction box in line with the corresponding holes and install with screws. (FIG.2)
4. Connect the appropriate red wire to each of the blue relay wires and pass them through the wireway to the right junction box. (FIG.3)
5. Remove the wire nut (left junction box) and connect the element wire to one of the black relay wires. (FIG.4)
6. Connect the red wire coming out from the wireway (left junction box) and connect it to the other black relay wire.
7. Remove the wire nut in the right junction box. The red wire coming from the black relay wire (power side) will connect to the line feed (L2/N). The wire coming out of the thermal protection will connect to line feed L1 (FIG 5).

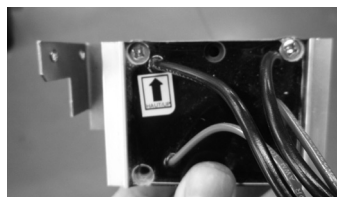


FIG. 1

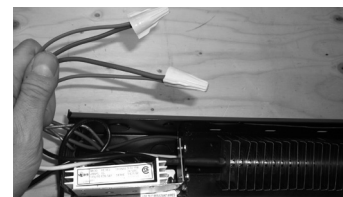


FIG. 3



FIG. 2

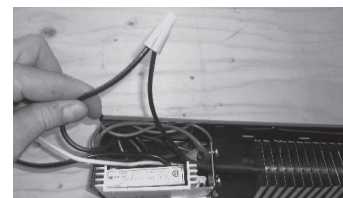


FIG. 4

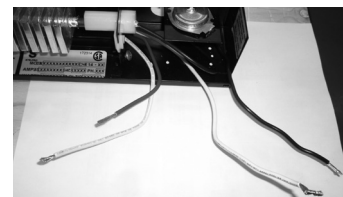
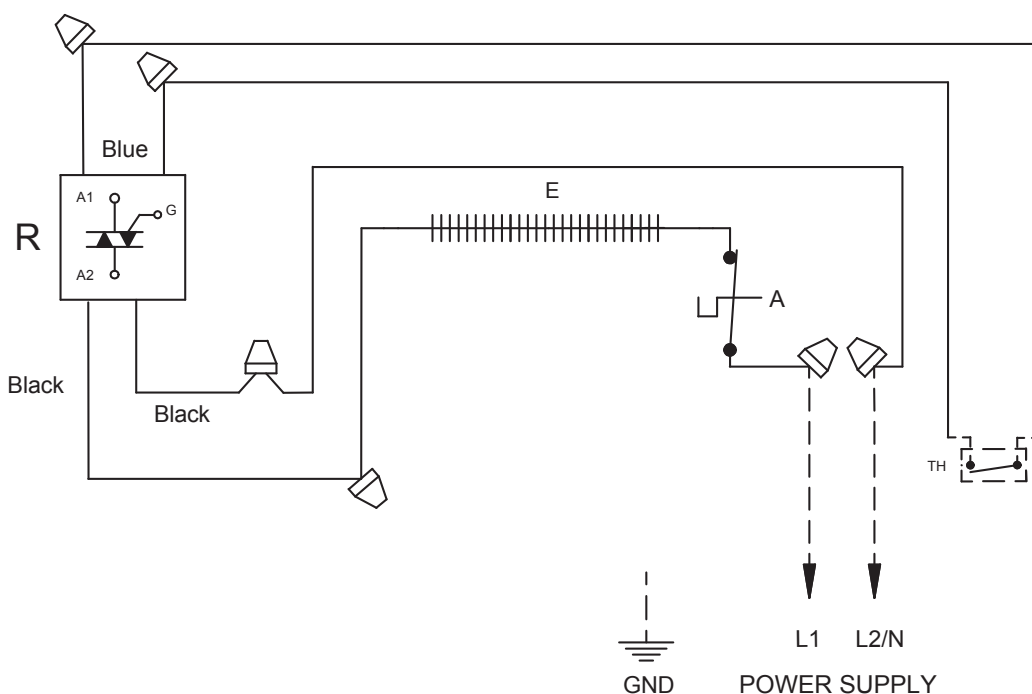


FIG. 5



RELAY INSTALLATION

RE153T SERIES

JUNCTION BOX INSTALLATION AND WIRING - LEFT SIDE ONLY



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1. Remove the front cover of the baseboard.
2. Position the relay (with the arrow pointing towards the top of the box) and fasten on the bracket with screws (FIG. 1). NOTE: Perform the power and ground connections before installing the support in the junction box.
3. Insert the control wires supplied by the installer into the baseboard electrical box through one of the knock outs (KOE) (FIG. 2). Connect the low voltage wires with the relay wires using the appropriate wire nuts. Refer to the diagram included with the relay to make the connections. Important: Only use 600V conductors, resistant to 75°C.
4. Connect the blue relay wire with the wire that comes out of the wireway (at the bottom of the unit) by using an appropriate wire nut. (FIG. 3)
5. Connect the white relay wire (power side) to the element wire and a line feed wire (L2 or N) by using an appropriate wire nut. (FIG. 4)
6. Connect the black relay wire (power side) to the other wire coming from the line feed (L1) by using an appropriate wire nut. (FIG. 5)
7. Place the relay in the left junction box lined up with the corresponding holes and fasten with screws. (FIG. 6)
8. Close the junction box and replace the cover, making sure the wires are well placed inside the box.

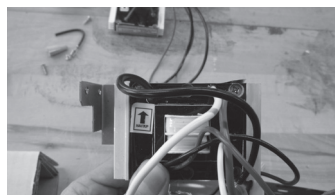


FIG. 1

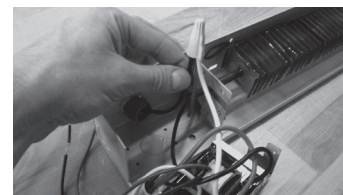


FIG. 4

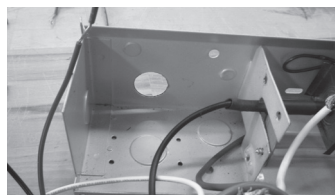


FIG. 2

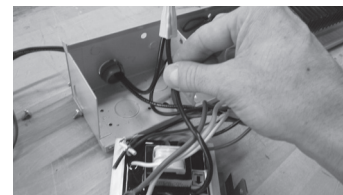


FIG. 5

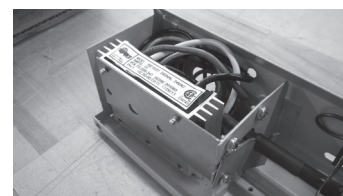
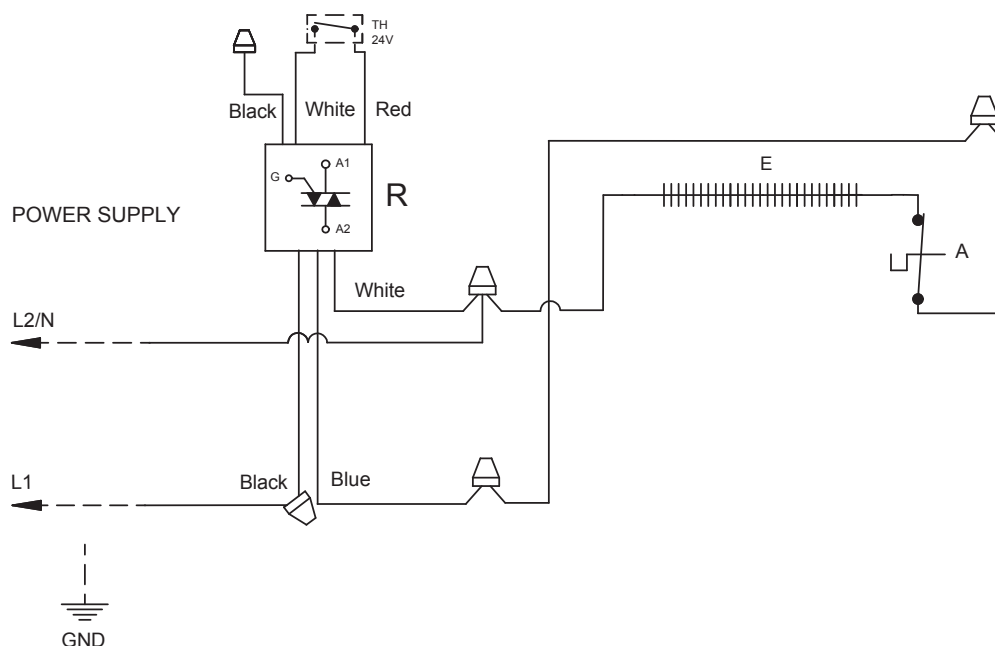


FIG. 6



RELAY INSTALLATION

RE153T SERIES

JUNCTION BOX INSTALLATION AND WIRING - LEFT SIDE WITH CONNECTION ON RIGHT



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1. Remove the front cover of the baseboard.
2. Position the relay on the support bracket (with the arrow pointing upwards) and install with screws (FIG.1). NOTE: Perform the ground connection before installing the relay in the junction box.
3. Position the relay support bracket in the left junction box in line with the corresponding holes and install with screws. (FIG.2)
4. Connect each control wire (red, black, and white) with the 3 appropriate TEW-105 wires. Next, pass the 3 wires through the wireway to the right junction box. (FIG.3)
5. Remove the wire nut (left junction box), connect the element wire with the blue wire of the relay (FIG.4). Connect the red wire coming out of the wireway with the white wire of the relay (FIG.5). Connect a TEW 105 red wire with the black wire of the relay and pass it through the wireway to the right junction box. (FIG.6)
6. Connect the 3 control wires according to the schematic provided with the relay. (FIG.7)
7. The red wire coming from the black relay wire (power side) will connect to line feed (L2 or N). The red wire coming from the white relay wire (power side) will connect to the line feed (L1) and thermal protection. (Fig 7)

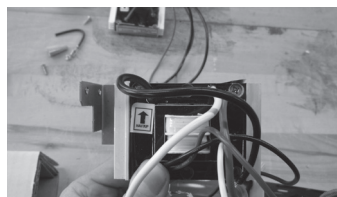


FIG. 1

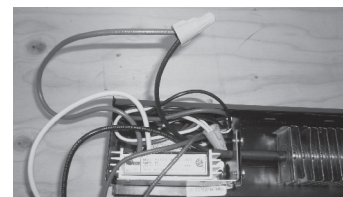


FIG. 4

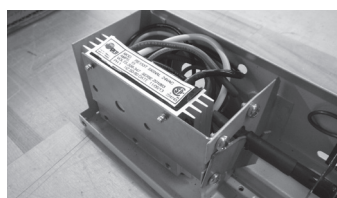


FIG. 2

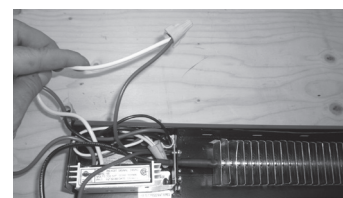


FIG. 5

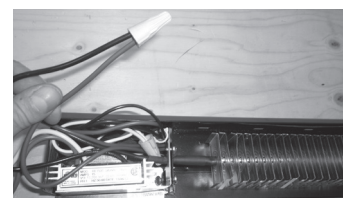
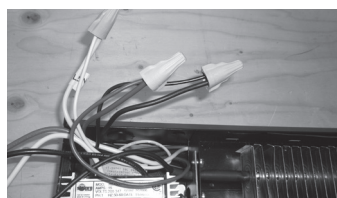


FIG. 6

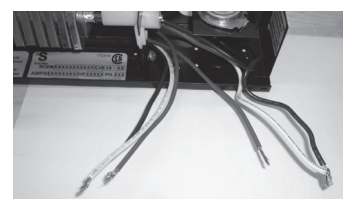


FIG. 7

