

One/Two-Circuit Transfer Switch Installation Instructions

Warning: Installation of this transfer switch and related wiring must be done by a qualified electrician in compliance with all applicable electrical codes.



INSTALLATION:

1. If you have an outdoor or traffic signal model, open or remove the front cover.
2. Remove and set aside two screws that secure interior assembly to the back box.
3. Lift and pull out interior assembly.
4. Mount the box in desired location using four (4) mounting holes provided in back. NOTE: If you are using knockout (KO) on the back of the box for wiring, the desired KO size must be removed before mounting the box, and hole must be aligned with hole in the desired location. Installer must follow standard wiring practices to "bush" and seal around this hole at this time. Seal around mounting holes.
5. Install the proper fittings and conduit to the KO's located on the side of the box, if used.
6. Pull in proper size wire for the application. Pull in approximately 6" of wire into the back box. NOTE: For 20 amp units, use #12 AWG. For 30 amp units, use #10 AWG. For 50 amp units, use #8 THHN.
7. Insert the WHITE wire directly into the inlet that is mounted on the interior assembly, and tighten screw OR connect it to the white lead provided using a wire connector. Connect the GREEN Ground wires with the green lead wires in the same manner. Connect the BLACK lead(s) from LINE/Utility to the incoming HOT lead(s) using a wire connector. Connect the RED lead(s) to LOAD wires using a wire connector.
8. Fold wires neatly and push interior assembly into back box by hooking the top over the studs on the inside of the box and secure the bottom with the two screws removed earlier. Transfer switch is now ready for operation.
9. After testing or operation, replace and secure cover on front of unit.

USING THE TRANSFER SWITCH:

1. When a power failure occurs, remove front cover (if you have an outdoor unit) to access the breakers.
2. Plug in generator cord to power inlet on bottom of unit, and start generator.
3. Switch UTILITY breaker OFF and slide interlock mechanism over the UTIL breaker.
4. Switch GEN breaker ON, and power should begin to feed the load.
5. When utility power is restored, switch the GEN breaker OFF, and slide interlock mechanism over the GEN breaker, exposing the UTILITY breaker.
6. Turn the UTILITY breaker ON.
7. Shut off generator, and remove cord.
8. Replace cover and secure as needed.

ACCESSORIES YOU MAY NEED



Power Cords and Plugs or Connectors can be ordered on our website at www.gen-tran.com or by calling toll free 1-888-GEN-TRAN.

Note: Male plugs connect to generator, and female receptacles connect to Power Inlet Box or Transfer Switch. Check your generator receptacle for exact receptacle configuration to avoid ordering the wrong part.

We now offer fully Automatic Transfer Switches. Call us or visit our website for details.

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