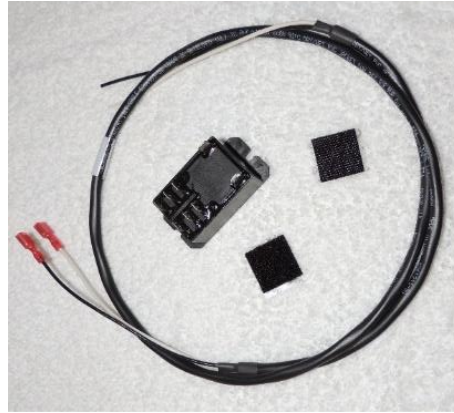


Installation Instructions

UVR Kit - Utility Voltage Sensing

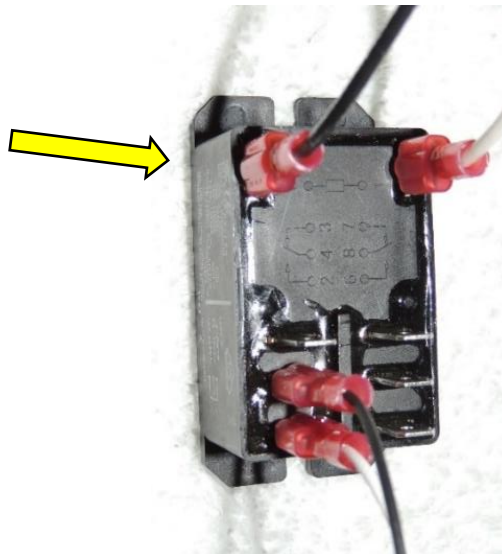
UVR Kit - Utility Voltage Sensing Relay Kit

The Utility Voltage Sensing Kit is used to sense the presence or absence of Utility Voltage. This kit will signal "Utility Power On" and "Utility Power Off" to the monitoring unit.

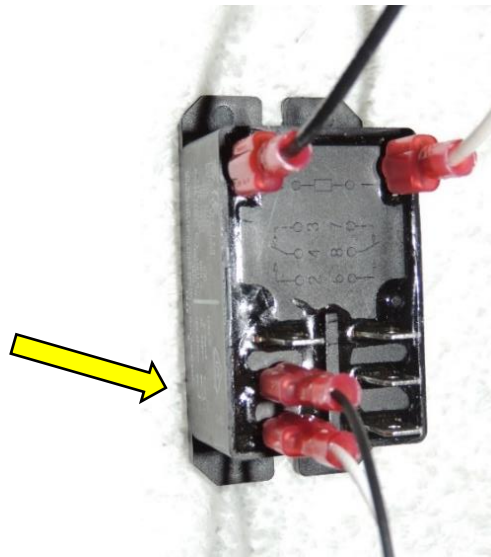


Before installing this relay, AC power should be disconnected (turned off) for all connection points!

- The Utility Voltage Sensing Relay requires 120VAC or 240VAC to operate the coil, depending on the configuration ordered.
- Mount the Utility Voltage Sensing Relay in the junction box where the generator main line circuit breaker is located. Locate this relay in a protected location out of reach of personnel. The relay can be mounted with screws, heavy duty Velcro, heavy duty double sided tape or mounted on a DIN rail. The relay should be securely fastened so that it does not come loose, potentially damaging the generator.
- Included in the kit is either a 4' or 10' voltage sensing lead/harness with ¼" insulated terminal connectors on the relay side of the harness and bare end leads on the utility sensing side of the harness.
- Connect the end of the voltage sensing lead/harness with the ¼" terminals to the input side of the voltage sensing relay.



- The bare end leads are to be connected to a utility source at the generator set. Common connection points are the power source for the battery charger power input terminals, the block heater power input circuit, utility power sensing from the ATS or a load center in the generator enclosure.
- For a 120VAC relay kit, connect the **BLACK** wire to the Line/Hot connection and the **WHITE** wire to the Neutral connection. You can cut the voltage sensing harness to a shorter length if desired.
- For a 208VAC or 240VAC Line-Line relay kit, connect the **BLACK** wire to the Line/Hot connection and the **WHITE** wire to another Line/Hot connection. You can cut the voltage sensing harness to a shorter length if desired.
- Connect the appropriate **INPUT LEAD** (see input configuration data sheet) on the I/O harness to one side of the normally open output contacts on the relay with the provided ¼" insulated terminal. Connect one of the **BLACK** ground leads with the ¼" insulated terminal on the I/O harness to the other side of the normally open output contact on the relay.



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