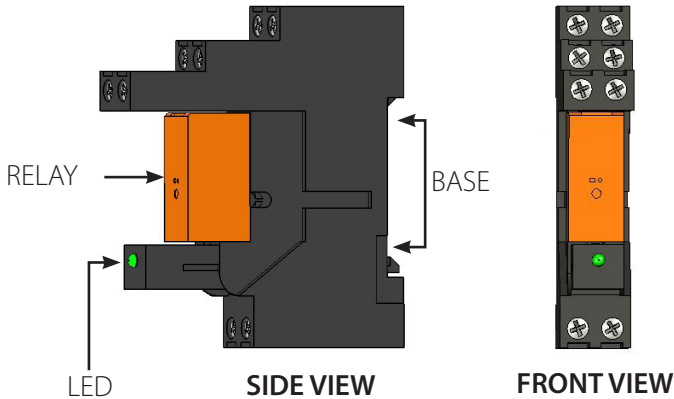




FLEXware Generator Start Relay Assembly



The FLEXware Relay Assembly will activate a two-wire start generator when wired to the AUX output of an OutBack FX Inverter/Charger. The assembly consists of an LED module and a relay inserted (in one orientation) into a base. The base is mounted onto the DIN rail of any OutBack AC industrial control panel.

Relay Model Number:
OBR-16-30VDC250VAC-DIN

Relay Features:

- Rated current - 16 amps AC/DC 8 amps per terminal
- Rated voltage - 30VDC/250VAC
- Coil power draw - 400 mW
- Gold contacts for use in low power situations
- A green LED lights to show the relay energizing when proper voltage is applied to the relay coil connectors.
- Base accommodates connections for wiring the coil, common relay contacts, normally open relay contacts, and normally closed relay contacts.

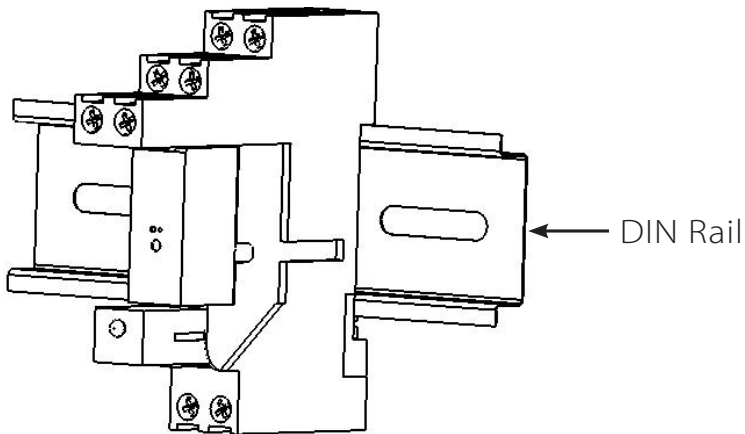
WIRING INSTRUCTIONS

Wire the relay coil from the AUX positive and negative connections of your OutBack product according to the diagram.

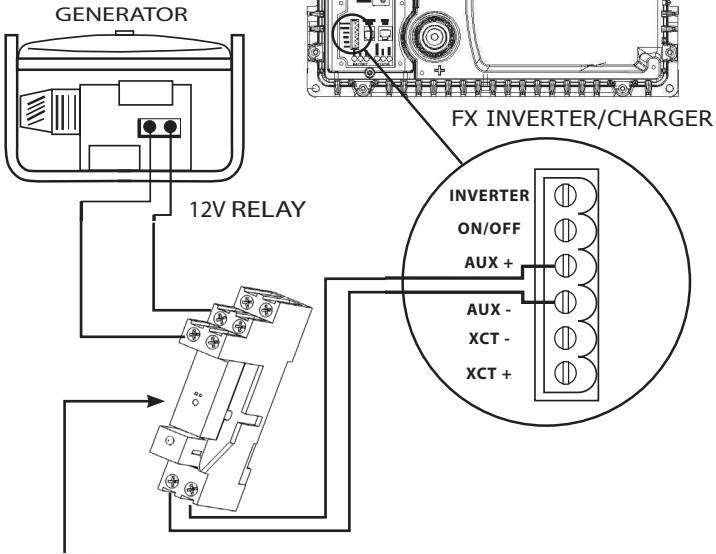
The coil connections (A1 and A2) are not polarity sensitive and the LED will light in either polarity as long as proper voltage is present. (Required voltage is nominally 12 VDC, with a minimum of 9 volts.) If you are unsure, run the AUX positive wire to the A2 terminal and the AUX negative wire to the A1 terminal, twisting the wires together for a clean look.

Wire your two-wire gen start connections from the generator to the normally open and common connections of the relay module. One wire from the generator will go to the common (COM) connection and the other wire of the generator will go to the normally open (NO) connection. The side of the relay base has a schematic of the relay and its connections.

NOTE: Use proper wire size for the current you intend the relay to handle and install a fuse or breaker if necessary.



TWO WIRE START GENERATOR HOOK UP



COM 11 and COM 21 are the common relay connections. Either can be used for loads under 8 amps. If the load exceeds 8 amps, use both COM 11 and COM 21.

- NO 14 and NO 24 are normally open relay connections. Each can handle up to 8 amps. Use both 14 and 24 terminals for loads exceeding 8 amps.
- NC 12 and NC 22 are normally closed relay connections. Each can handle up to 8 amps. Use both 12 and 22 terminals for loads exceeding 8 amps.

NOTE: Each pair of contacts is tied together within the relay for greater ampacity. There is no mechanical connection between the screw terminals themselves.

Terminal screw torque – 0.5 Nm (4.4 inch lbs)



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