

Power Share Switch PSS

Two Appliances to One Circuit Breaker

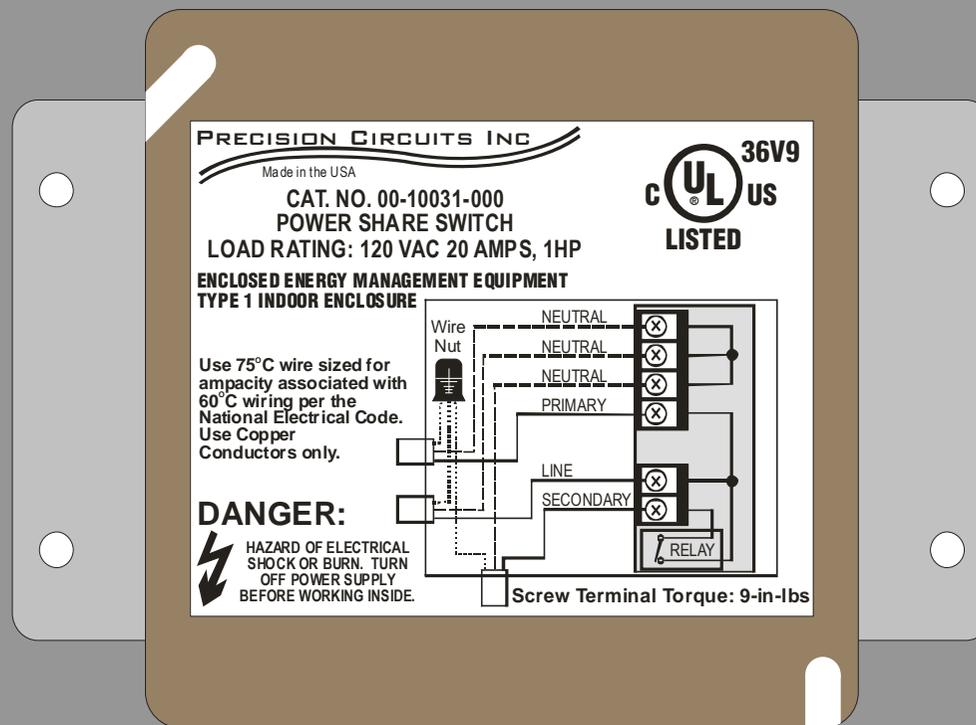
Power Share Switch (PSS) provides the capability to wire two appliances to a single circuit breaker. The Primary appliance never loses power. The Secondary appliance is allowed to run as long as the Primary is not drawing current. Power to the Secondary appliance is turned off whenever the Primary Appliance is drawing current.

Simple Wiring

The three ground wires are wire nut together. The three neutral wires are wired to the three neutral screw terminals. The Line screw terminal is wired to the Circuit Breaker, and the Primary and Secondary appliances are wired directly to their screw terminals. Since the current sensing is done on the board, the Appliance wiring connects directly to the screw terminal.

Normally Closed Relays

PSS uses a Normally Closed relay which provides two benefits. Additional High Pot testing inside the PSS of the secondary appliance wiring is NOT required as is on competitive units. Also, should the PSS product fail in the field, the limp home feature is that everything works, just without the power sharing feature



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Trouble Shooting

1. If No Power to Primary Appliance
Check for 120VAC at Primary and Line terminals to Neutral Terminals.
2. If No Power to Secondary Appliance
Check for 120VAC at Secondary and Neutral Terminals.
With clamp-on amp meter, check that Primary Lead drawing less than 2 amps. (Or disconnect Primary Wire)
3. If Branch Breaker keeps blowing.
Check wiring. Ground Wires, and Neutral Wire order not critical. Line Wires exact locations ARE critical.

