ES350 Internal Connections

BROWN

ORANGE

RED

BLUE

Shore power connected here. L2 is Neutral.

Generator power connected here. L5 is Neutral.

For operation on 120 VAC input, jumper **L1** to **L3** on the Shore side and **L4** to **L6** on the Generator side.

Shore

Generator

CR353ADY30A

CR353ADY30A

BLACK 8AWG

When either Shore power or Generator power is active,T5 and T6 supply 120 VAC to Control Panel #2 only. When Shore or Generator are not available, no power passes through to Control Panel #2.

BLACK 8AWG

WHITE 6AWG

BLACK 8 AWG

WHITE 6AWG

Connect the Inverter (30 Amp max.) here. The relay will handle 50 Amps resistive load. In order to support 50 Amps, you *must* change the white wire to 6AWG and the black wire to 8AWG.

WHITE 10AWG

BLACK 14AWG

BLACK 10AWG

When Shore and Generator are not available, the relay passes Inverter power through to Control Panel #1.

WHITE/RED 14AWG

Neutral

BLACK 8AWG

WHITE 6AWG

BLACK/RED 14AWG

This relay supplies 120 VAC to Control Panel #1 only from either Shore and Generator *or* Inverter.

Control circuit HOT when running on shore or generator power. Feed this signal to other transfer switches to load shed when on Inverter power. If these leads are not used, individually wire nut and tape to insulate.