

–48 Vdc Power Supply for Hotwire™ Standalone Termination Units Installation Instructions

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–48 Vdc Power Supply Installation Instructions

Hotwire™ 7900 Series Standalone Termination Units can be powered by a –48 Vdc power source for use in a restricted access area. The following equipment is required:

- 1 dc power cord (Paradyne Part No. 035-0389-0431)
- 1 dc power supply (Paradyne Part No. 124-0026-0031)
- 2–5 red crimp connectors for 22–16 AWG (equivalent to AMP Part No. 100676-2)
- 1–3 blue crimp connectors for 16–14 AWG (equivalent to AMP Part No. 100677-2)
- 1 jumper wire, 18 AWG, 2 inches (5 cm) long

⚠ WARNING:

Verify that power is shut off to the –48 Vdc power source and that the power switch of the Hotwire Standalone Termination Unit is in the Off (0) position.

When energizing this product with the supplied direct feed power cable, connect only to a SELV (Safety Extra Low Voltage) power source with a maximum available output of less than 240 VA. Power configurations which utilize the direct feed cable to energize the equipment must only be installed by a qualified electrician in restricted area access locations in accordance with articles 110-16, 110-17, and 110-18 of the National Electric Code (NEC), and articles 2-308, 2-310, 2-312, 2-314, 2-200, and 2-202 of the Canadian Electric Code (CEC).

A readily accessible disconnect device as part of the building installation shall be incorporated in fixed wiring. The disconnect device (a 48 Vdc, 15 or 20A circuit breaker or switch) must be included in the ungrounded supply conductor. Over current protection must be 15 or 20A, 48 Vdc fuse or circuit breaker.

Prepare the Power Source Cable

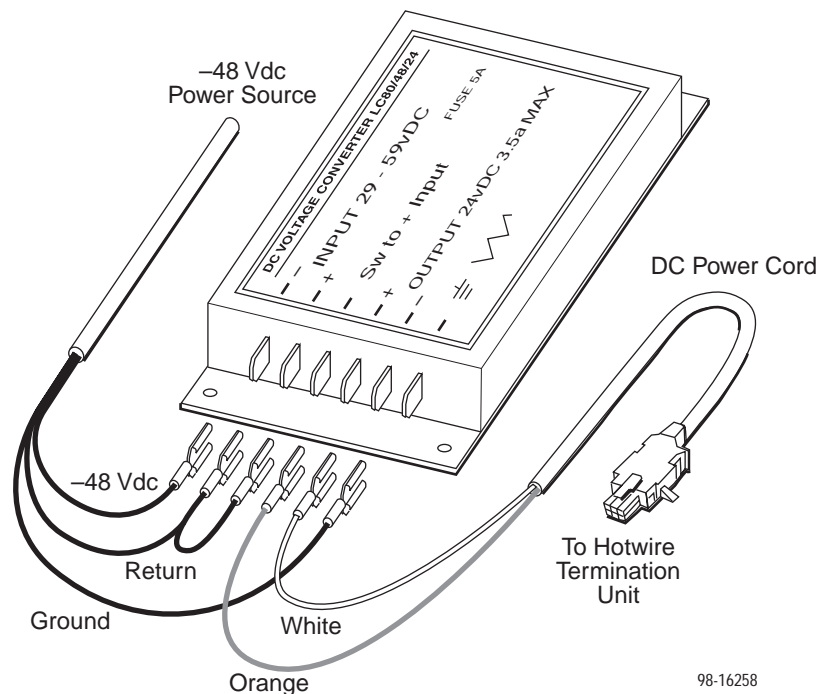
► Procedure

1. Separate the -48 Vdc, return, and ground wires from any other wires. Cut any other wires back to the outer jacket of the cable.
2. Cut off any tinned ends of the three wires and strip the wires, if necessary, to expose a sufficient length for crimping.
3. Prepare the jumper wire by stripping both ends.
4. Twist one end of the jumper wire and the end of the return wire together. Crimp a blue connector onto the joined wires.
5. Crimp a red connector onto the other end of the jumper wire.
6. Crimp connectors of appropriate size onto the -48 Vdc and ground wires.

Connect the Power Supply

► Procedure

1. Connect all wires to the power supply as shown in the illustration.
2. Connect the modular power connector to the Hotwire Standalone Termination Unit.
3. Turn on power to the -48 Vdc power supply.
4. Press the switch on the Hotwire Standalone Termination Unit to the On (1) position.



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