

Installation Instructions:

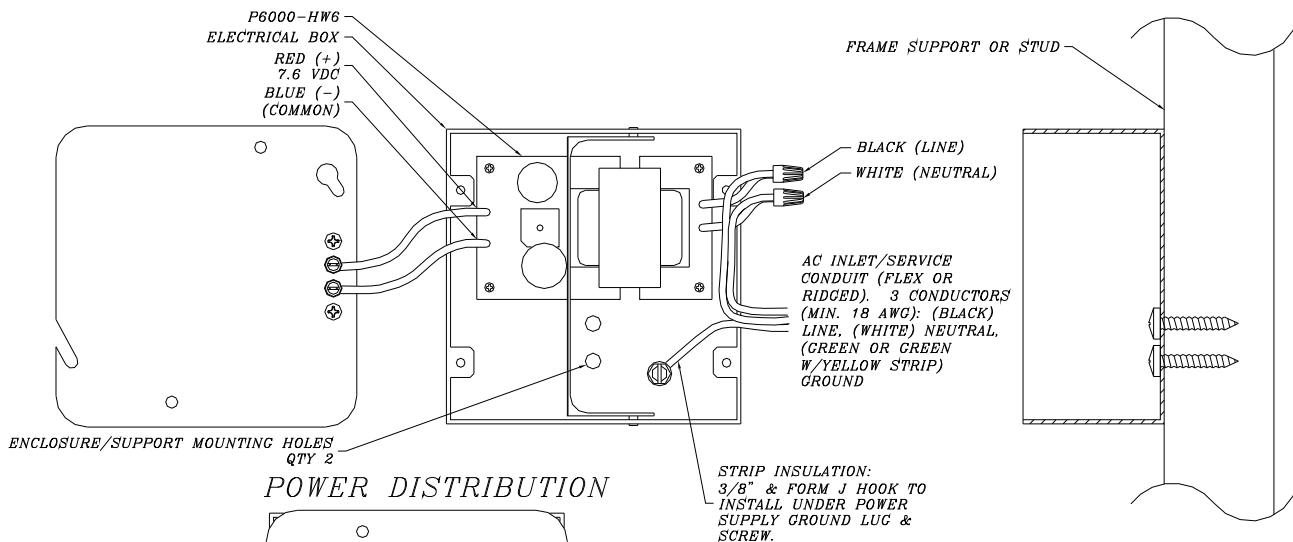
Caution: 120 VAC/60 Hz

- 1.) Verify circuit with a voltmeter or inductive AC power probe that AC power has been turned OFF. Recommend securing circuit power OFF via Lock-Out/Tag-Out methods prior to installation, service, or replacement of unit.
- 2.) Loosen the 2 enclosure/cover retaining screws and rotate the P6900-HW6 Power Supply integrated cover plate to access the 4-11/16" L x 4-11/16" W x 2-1/8" D electrical enclosure box.
- 3.) Install the UL electrical box conduit clamps and/or UL electrical box wire clamps to the 4-11/16" L x 4-11/16" W x 2-1/8" D electrical enclosure box as necessary.
- 4.) Connect the 4-11/16" L x 4-11/16" W x 2-1/8" D electrical enclosure box to conduit (conductor/cable clamps or NOT included) and securely fasten the enclosure with suitable fasteners (not provided) to a frame or support member. Two holes are accessible in the bottom of the enclosure with the supply installed on the standoffs. A minimum of (2) screws should be inserted through these holes and secured into a wooden or steel stud, frame support, or other supporting surface with suitable fasteners (wood screws, sheet metal screws, or expansion fasteners - not provided with this product).

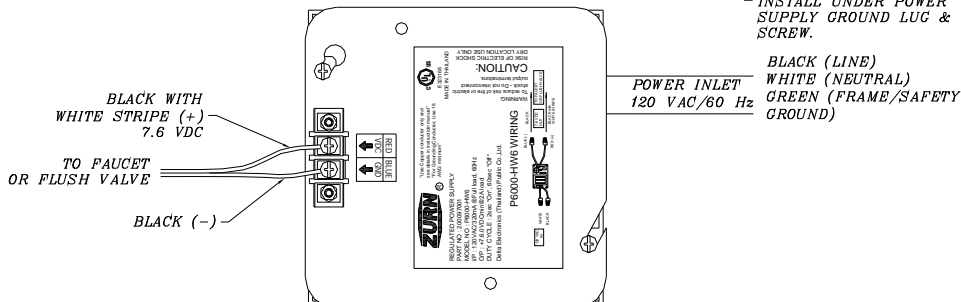
Note: Do not remove supply from enclosure.

- 5.) Connect the P6900-HW6 power supply to the AC service conductors as outlined below in the diagrams.

BOX INTERNALS



POWER DISTRIBUTION



Internal conductor terminations/connections shall be implemented using UL approved screw terminals, wire nuts, insulated/isolated crimp splices, or soldered using hook & loop method with the solder joint(s) post insulated or as specified within the National Electrical Code (NEC) and/or superseding relevant local specified code(s).

- 6.) Verify continuity between the enclosure and the green w/yellow stripe conductor of the power converter and to the frame/safety ground supply line.
- 7.) Form conductor leads as required to allow unimpeded installation of the cover plate low voltage leads (with integrated terminal block) into the electrical box enclosure and secure the cover with the 2 cover screws.
- 8.) Restore AC power and measure the low voltage output with a DC voltmeter to verify output to be between 7.4 VDC and 7.8 VDC.
- 9.) Connect the various Zurn product conductors (22AWG) as labeled to the associated power supply low voltage output terminal block. Recommend installing #6 ring or spade crimp terminals (not provided) to the product leads for attachment to the power supply terminal block terminals as labeled. Alternatively, the conductor leads can be stripped ~1/4" and wrapped a minimum of 270° around the #6 terminal block screw and then tighten to a torque of 12 in-lbs. (Specified for 22-14 AWG solid or stranded Cu conductors)

For remote lengths of > 40', use 18AWG conductors. Recommend utilizing CMP, CMR, CMX or other UL performance category type cables as specified in the NEC for overhead, behind walls, vertical shafts, and/or plenum installations. Remote installation to the final product connector/cable should be implemented using a Mini-junction box, insulated connectors/crimp splices/screw terminals, wire nuts, or soldered using hook and loop method with the solder joint(s) post insulated with heat shrink or electrical tape.