

## Installation Instructions

### Low-Voltage Rough-In Enclosure HWI-LV17-CE 220-240 V~, 50/60 Hz, 1.0 A max.

- Mount Rough-In Enclosure** using one of the following methods (mounting hardware is not provided):
  - Surface Mount** - Use keyholes shown in Figure 1 with bolts sufficient for 23kg (50 lbs.) load (M6) 1/4" bolts recommended.
  - Recess Mount** - Use screws through the right side of the panel sufficient for 23kg (50 lbs.) load. Mount panel flush to or not more than 3mm (1/8") below the finished wall surface. Panel is 7.3cm (2-7/8") deep past cover mounting tabs.



**Caution** - This equipment is air-cooled. Mount in a location where the vented cover will not be blocked. 30cm (12") of clearance in front of the vents is required.



**Caution** - Internal relays will click while in use. Mount in a location where such noise is acceptable.



**Caution** - All wiring must be in accordance with national and local electrical codes.



**Danger** - Locate and lock supply breaker (MCB) in the OFF position before wiring to power terminal blocks.



**Caution** - This equipment is intended for indoor use only.

- Run 220–240V power wiring into the panel.** **Power wiring is only required when a HWI-H48 Dimmer Hub is to be installed.** Locations to run power wiring into the panel are shown in Figure 1. Terminal blocks will accept one 1–4mm<sup>2</sup> (18–10 AWG) wire or two 1–1.5mm<sup>2</sup> (18 or 16 AWG) wires. Tighten terminal blocks to 0.40 to 0.57 Nm (3.5 to 5 in-lbs.). Do not overtighten.
- Install Low Voltage Accessory Boards in accordance with instructions provided with the boards.** Two configurations are possible (not every board need be installed for a given configuration):
  - Dimmer Hub Configuration:** Install one HWI-H48 Dimmer Hub and one HWI-WLB Wire Landing Board. Connect the leads from the supply transformer to the power input terminals on the HWI-H48. The upper left corner mounting location for the Dimmer Hub is identified by a pink dot on the enclosure. The upper left corner mounting location for the Wire Landing Board is identified by a green dot on the enclosure.

Figure 1 - Enclosure Dimensions

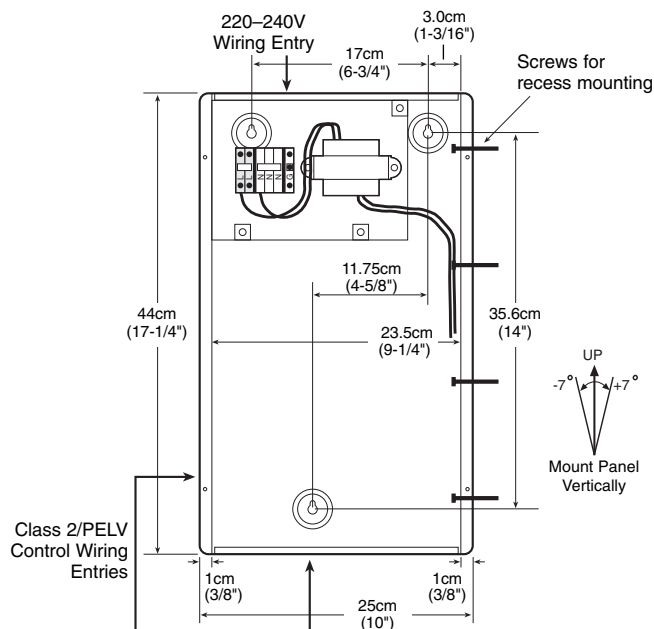


Figure 2 - Input Power Feed Connections

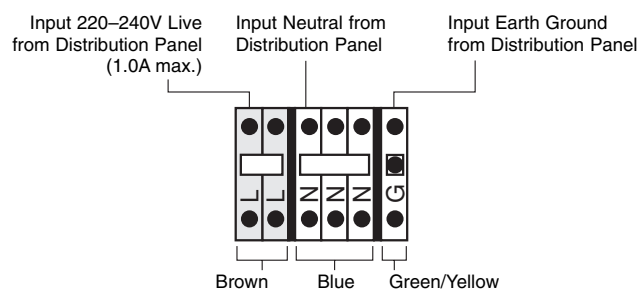
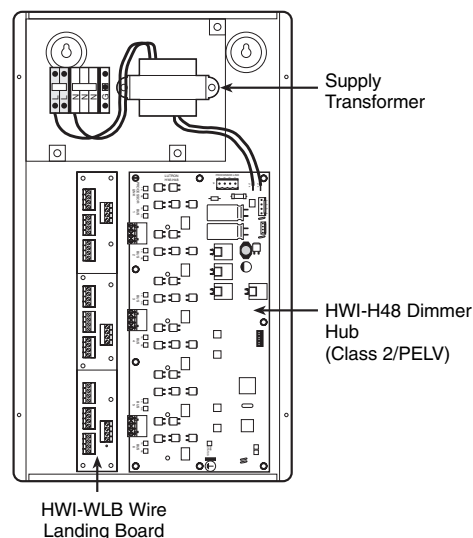


Figure 3 - Dimmer Hub Configuration

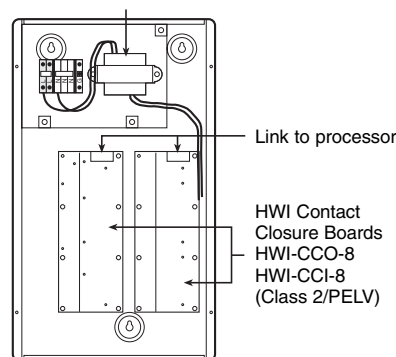


**b. Contact Closure Board Configuration:** Install up to two Contact Closure Boards (HWI-CCO-8 or HWI-CCI-8). See Figure 4. The upper left corner mounting locations for the Contact Closure Boards are identified by orange dots on the enclosure.

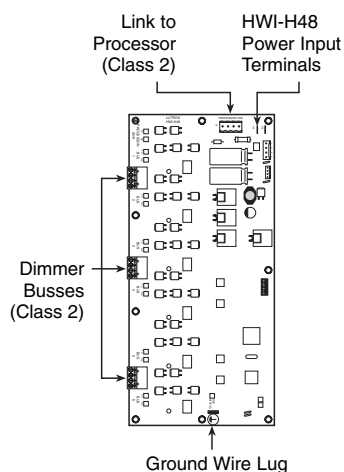
- 4. Connect ground wires.** Screw down the earth ground wires for all installed boards to the enclosure. For the HWI-H48, connect the insulated earth ground wire connector to the grounding lug, and screw down the earth ground wire to the enclosure. See Figure 5. Use any convenient hole for installing ground wires.
- 5. If the boards are not installed at this time, leave these instructions inside the enclosure.**
- 6. Install cover.** Ensure the vents are on the right side of the cover. Tighten screws to 2.3 Nm (20 in-lbs.).

**Figure 4 - Contact Closure Board Configuration**

Transformer not used in this application  
(No power wiring necessary)



**Figure 5 - Dimmer Hub Wire Connections**



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