

Installation Instructions

HWI-ENC-LV17-120 HomeWorks Interactive Low Voltage Rough-In Enclosure

- 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 50 lbs. (9kg) load (1/4" (6mm) bolts recommended).
 - Recess Mount** - Use screws through the right side of the panel sufficient for 50 lbs. (9 kg) load. Mount panel flush to or not more than 1/8" (3mm) below the finished wall surface. (Panel is 2-7/8" (6.2cm) deep past cover mounting tabs).



Caution - This equipment is air-cooled. Mount in a location where the vented cover will not be blocked.



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 in the OFF position before wiring to power terminal blocks.

- Run 120V power wiring into the panel. Power wiring is only required when a HWI-D48 Dimmer Interface Board is to be installed.** Locations to run power wiring into the panel are shown in Figure 1. Terminal blocks will accept one 18 through 10 AWG (1-2.5mm²) wire or two 18 or 16 AWG (1-1.5mm²) wires. Tighten terminal blocks to 3.5 to 5 in.-lbs. (.40 to .57 Nm). 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 Interface Board Configuration:** Install one HWI-D48 Dimmer Interface Board and one HWI-WLB Wire Landing Board (if used). Connect the leads from the supply transformer to the power input terminals on the HWI-D48. The upper left corner mounting location for the Dimmer Interface Board 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

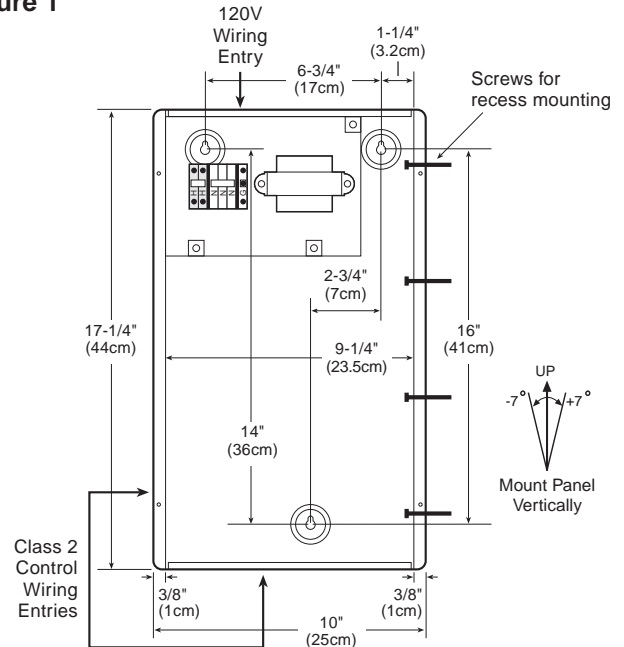


Figure 2

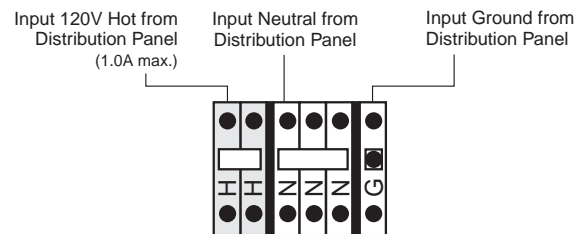
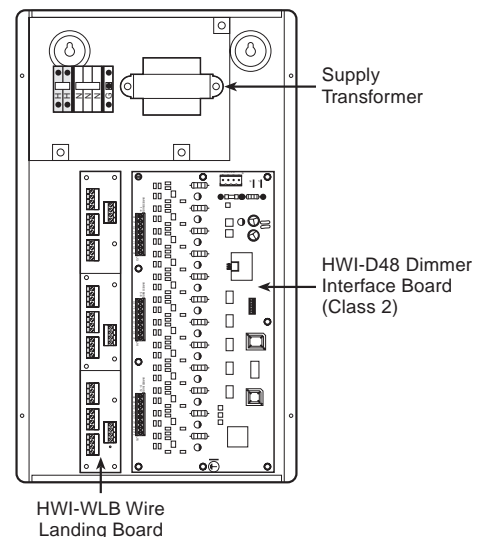


Figure 3



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 ground wires for all installed boards to the enclosure. For the HWI-D48, connect the insulated ground wire connector to the grounding lug, and screw down the 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 20 in-lbs. (2.3 Nm).

Figure 4

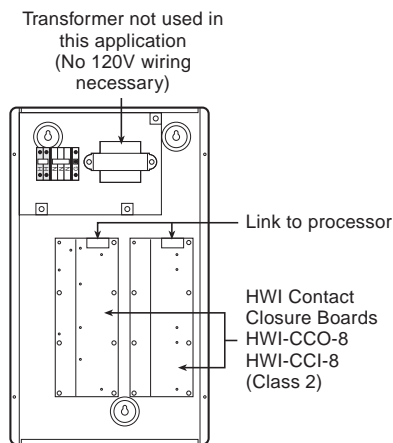
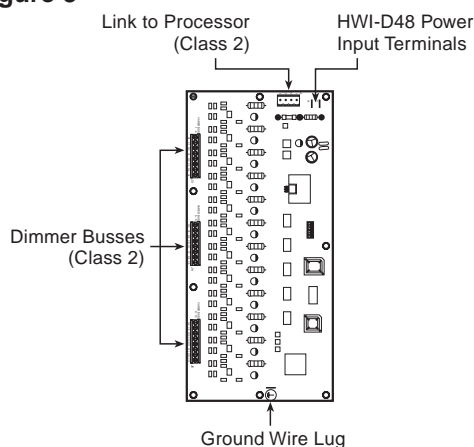


Figure 5



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