

Installation Instructions

1. **Mount Rough-In Enclosure** using one of the following methods (mounting hardware is not provided):

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



Caution - This equipment is air-cooled. Mount in a location where the vented cover will not be blocked. 12 inches (30cm) 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 in the OFF position before wiring to power terminal blocks.



Caution - This equipment is intended for indoor use only.

2. **Run 120V power wiring into the panel. Power wiring is only required when a HWI-D48 Dimmer Interface Board or an 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 18 through 10 AWG (1-4mm²) wire or two 18 or 16 AWG (1-1.5mm²) wires. Tighten terminal blocks to 3.5 to 5 in.-lbs. (0.40 to 0.57 Nm). Do not overtighten.

3. **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):

- a. **Dimmer Interface/Hub Board Configuration:** Install one HWI-D48 Dimmer Interface Board or HWI-H48 Dimmer Hub 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 or HWI-H48. The upper left corner mounting location for the Dimmer Hub/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 - Enclosure Dimensions

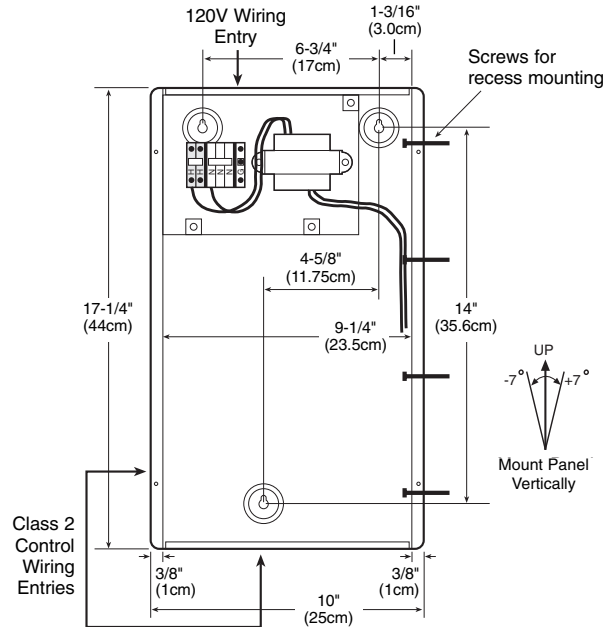


Figure 2 - Input Power Feed Connection

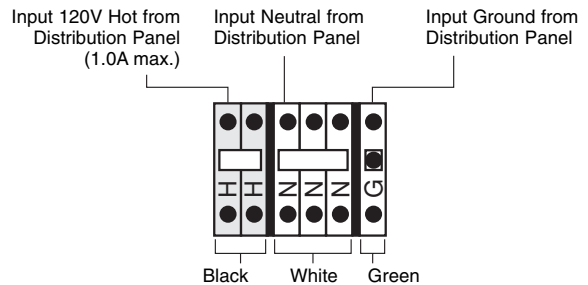
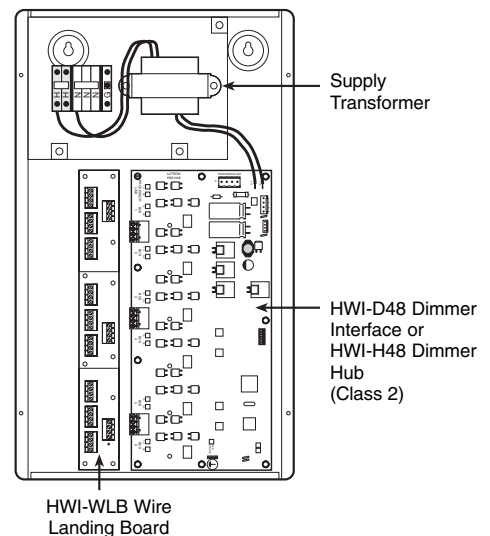


Figure 3 - Dimmer Interface/Hub Configuration



English

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 or HWI-H48, 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 - Contact Closure Board Configuration

Transformer not used in this application
(No 120V wiring necessary)

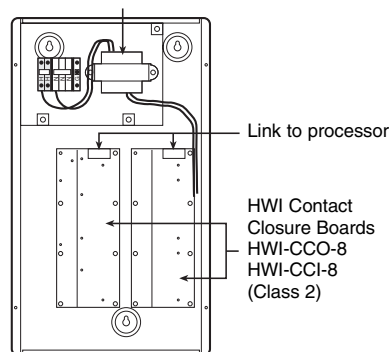
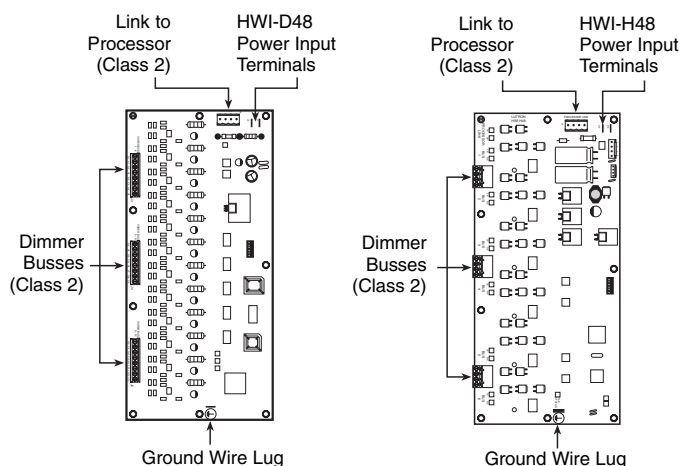


Figure 5 - Dimmer Interface/Hub Wire Connections



World Headquarters

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299, U.S.A.

TOLL FREE: (800) 523-9466 (U.S.A., Canada and the Caribbean)

Tel: (610) 282-3800; International 1 610 282-3800

Fax: (610) 282-3090; International 1 610 282-3090

European Headquarters

Lutron EA LTD
Lutron House
6 Sovereign Close
Wapping

London, E1 9HW England

FREEPHONE: (0800) 28 21 07 (U.K.)

Tel: (171) 702-0657; International 44 171 702-0657

Fax: (171) 480-6899; International 44 171 480-6899

Asian Headquarters

Lutron Asuka Co., Ltd.
No. 16 Kowa Bldg. 4F
1-9-20 Akasaka
Minato-ku, Tokyo
107-0052 Japan

TOLL FREE: (0120) 083 417 (Japan)

Tel: 03-5575-8411; International 81-3-5575-8411

Fax: 03-5575-8420; International 81-3-5575-8420

Hong Kong Sales Office

Tel: 2104-7733; International 852-2104-7733

Fax: 2104-7633; International 852-2104-7633

Singapore Sales Office

Tel: 487-2820; International 65-487-2820

Fax: 487-2825; International 65-487-2825

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If you need assistance, call the toll-free **Lutron Technical Support Center**. Please provide exact model number when calling.

(800) 523-9466 (U.S.A., Canada and the Caribbean)

Other countries call:

Tel: (610) 282-3800

Fax: (610) 282-3090

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7200 Suter Road
Coopersburg, PA 18036-1299

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