

## Installation Instructions

Please Read Before Installing

## 4-Series™ Low-Voltage Rough-In Enclosure

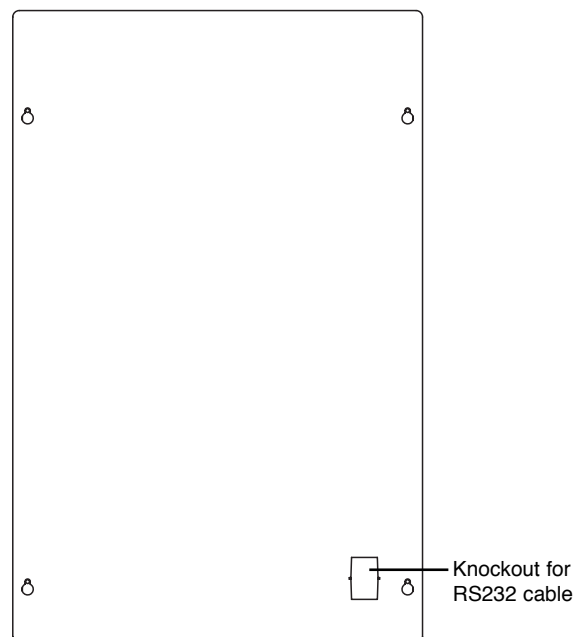
HWI-LV24-120

120 V~, 50/60 Hz, 2 A

### Overview

The 4 Series Low-voltage Rough-in Enclosure provides a compact housing for mounting the 4 Series processor. The enclosure accepts one 120 V~ feed to power the processor and its connected keypads. The enclosure's main feed is self-contained in an enclosed high-voltage area, eliminating exposure of high voltage connections when the enclosure cover is removed for low-voltage wiring. In addition to the processor, up to 2 contact closure boards (HWI-CCO-8 or HWI-CCI-8) and/or wire landing boards (HWI-WLB) may be mounted in the 24 in. (70 cm) enclosure. Contact closure outputs provide low-voltage control of motors and shades. Contact closure inputs allow interfacing to photocells, security systems, and other home systems. The wire landing board is a wiring aid with three sets of four terminal blocks connected pin-to-pin, simplifying home run wiring.

### HWI-LV24-120



### Important Notes

**Codes:** Install in accordance with all local and national electrical codes.



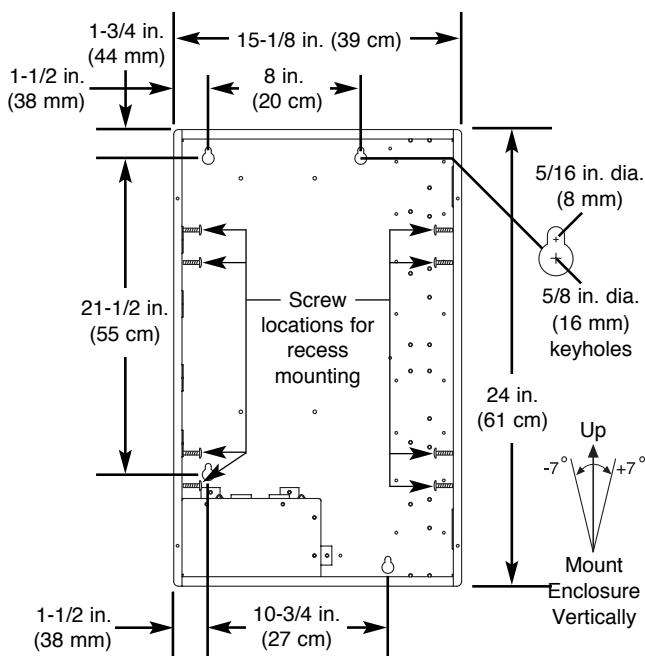
**Note:** Enclosure must be protected by an appropriately rated (min. 15 A) circuit breaker, to be supplied and installed in accordance with local codes by the installer.

**Mounting Location:** Power supply will hum slightly and internal relays will click while in use. Mount in a location where such noise is acceptable.

**Environment:** Ambient operating temperature: 0-40°C, 32-104°F, 0-90% humidity, non-condensing. Indoor use only.

**Cleaning:** To clean, wipe with a clean damp cloth. **DO NOT** use any chemical cleaning solutions.

### Mounting Diagram



## Installation

1. **Mount Enclosure** using one of the following methods (mounting hardware is not provided):
  - a. **Surface Mount** - Use keyholes shown in Mounting Diagram (page 1) with bolts sufficient for 30 lbs. (14 kg) load (1/4 in. (M6) bolts recommended).
  - b. **Recess Mount** - Use screws sufficient for 30 lbs. (14 kg) through the sides of the enclosure (see Mounting Diagram, page 1). Mount enclosure flush to or not more than 1/8 in. (3 mm) below the finished wall surface. Enclosure is 3-7/8 in. (10 cm) deep past cover mounting tabs. Enclosure cover dimensions are 24-1/2 in. x 15-7/8 in. (62 cm x 41 cm).



**Danger** - Locate and lock supply breaker in the OFF position before connecting power input.

2. **Remove high voltage cover and run power wiring into the enclosure.** Locations to run power wiring into the enclosure are as shown in Wiring Diagram. Prepare wires. When making wire connections, follow the recommended strip lengths and combinations for the supplied wire connectors. Note: Wire connectors provided are suitable **for copper wire only**.

Strip insulation 1/2 in. (10 mm) for 10 AWG (6 mm<sup>2</sup>), 12 AWG (4 mm<sup>2</sup>) or 14 AWG (2.5 mm<sup>2</sup>).

Strip insulation 5/8 in. (16 mm) for 16 AWG (1.5 mm<sup>2</sup>) or 18 AWG (1.0 mm<sup>2</sup>).

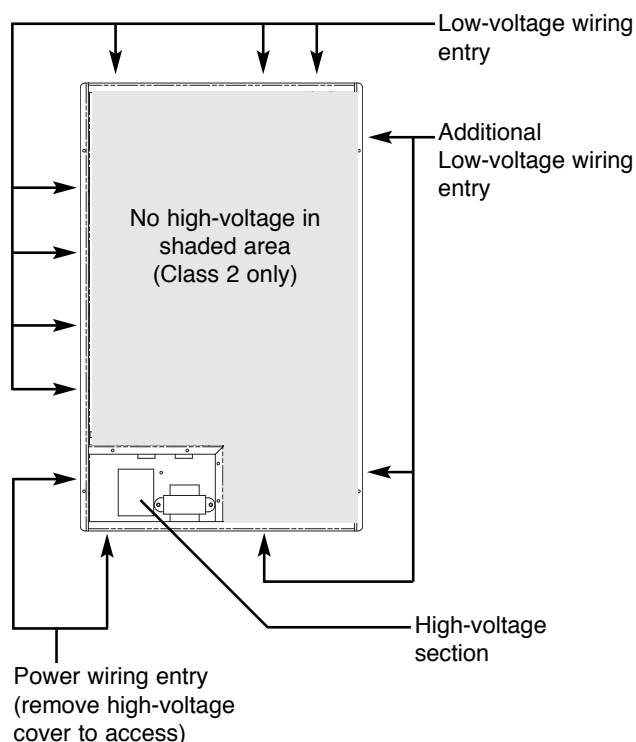
Use to join one or two 12 or 14 AWG supply wires with one 10, 12, 14, 16 or 18 AWG control wire.



Connect Hot/Live feed to the black wire, Neutral feed to the white wire, and Earth Ground to the green wire.  
Replace high-voltage cover.

3. **If the processor and the accessory boards are not to be installed at this time, install the enclosure cover.** (Instructions for installing the processor and accessory boards are supplied with the processor). Ensure product identification label is at the bottom of the cover. Tighten screws to 20 in.-lbs. (2.3 Nm).

## Wiring Diagram



## LIMITED WARRANTY

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within two years after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid. Telephone the Lutron Technical Support Center toll free at 800-523-9466. After the two year period, a pro-rated warranty applies to this product until eight years after the purchase. For more information regarding this warranty contact your Lutron representative.

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

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Other countries call:

Tel: (610) 282-3800

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