

Installation Instructions

Please Read Before Installing

4-Series™ Low-Voltage Rough-In Enclosure

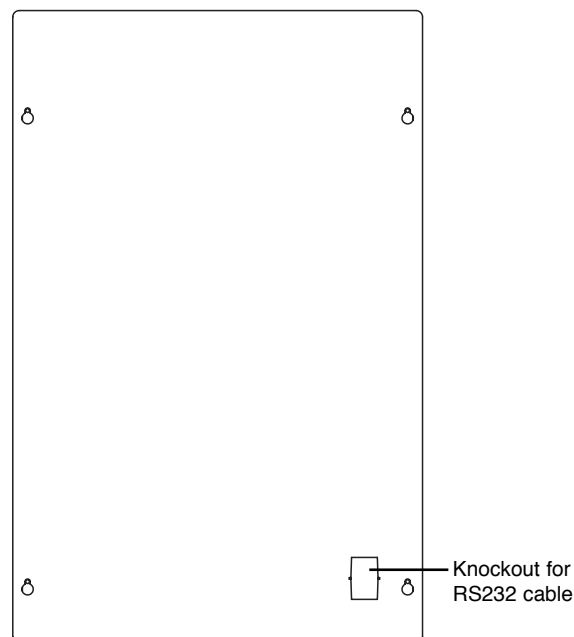
HWI-LV24-CE

230 V~, 50/60 Hz, 1 A

Overview

The 4 Series Low-voltage Rough-in Enclosure provides a compact housing for mounting the 4 Series processor. The enclosure accepts one 230 V~ feed to power the processor and its connected keypads. The enclosure's main feed is self-contained in an enclosed mains voltage area, eliminating exposure of mains voltage connections when the enclosure cover is removed for low-voltage wiring. In addition to the processor, up to 2 contact closure boards and/or wire landing boards may be mounted in the 61 cm (24 in.) 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-CE



Important Notes

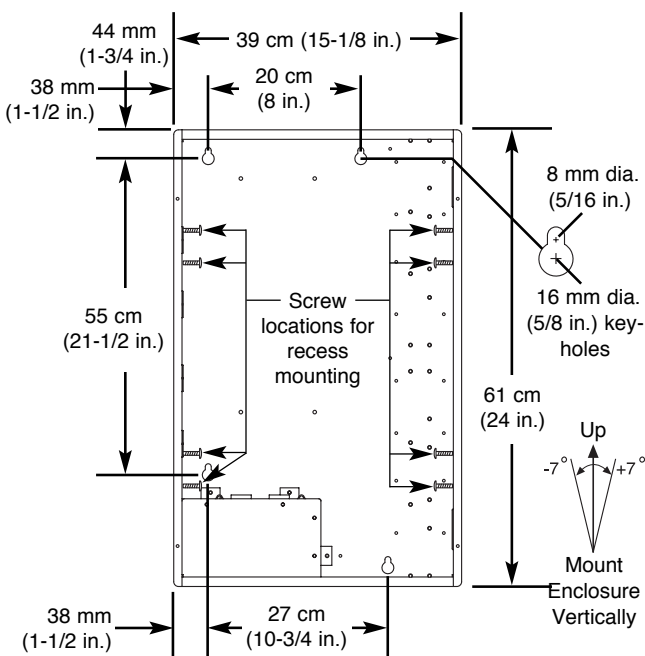
Codes: Install in accordance with all local and national electrical codes.

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

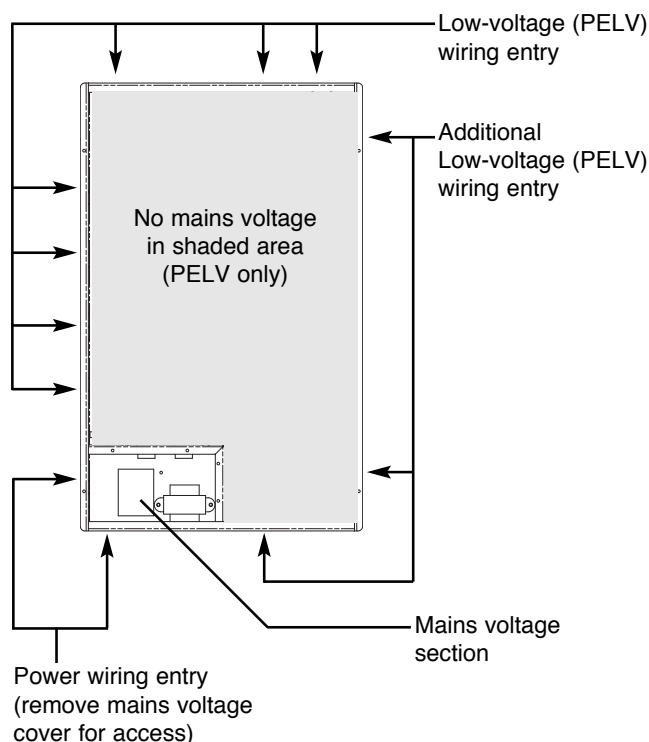
1. **Mount Enclosure** using one of the following methods (mounting hardware is not provided):
 - a. **Surface Mount** - Use keyholes shown in Mounting Diagram (page 1) with bolts sufficient for 14 kg (30 lbs.) load (M6 (1/4 in.) bolts recommended).
 - b. **Recess Mount** - Use screws sufficient for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



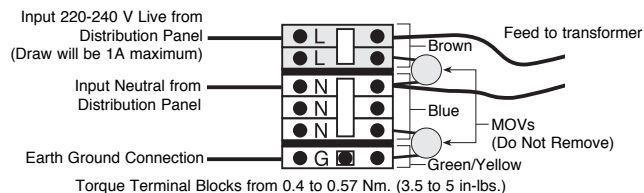
Danger - Locate and lock supply breaker in the OFF position before connecting power input.

2. **Remove mains voltage cover and run power wiring into the enclosure.** Locations to run power wiring into the enclosure are as shown in Wiring Diagram. Terminal blocks will accept one 1-2.5 mm² (18-10 AWG) wire or two 1-1.5 mm² (18-16 AWG) wires (see Terminal Block Detail). Tighten terminal blocks to .40 to .57 Nm. (3.5 to 5 in.-lbs.). Do not overtighten. Replace mains 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 2.3 Nm. (20 in.-lbs.).

Wiring Diagram



Terminal Block Detail



Technical and Sales Assistance

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

Visit our Web site at www.lutron.com

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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