

Installation Instructions

1. **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 45 kg load (6 mm bolts recommended).
- Recess Mount** - Use screws sufficient for 45 kg load through the corners of the panel. Mount panel flush to or not more than 3 mm below the finished wall surface. Enclosure is 9.8 cm deep past cover mounting holes. Enclosure cover dimensions are 161 cm x 47 cm.



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



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



Caution - This equipment is air-cooled. Mount in a place where the vented cover will not be blocked. Clearance of 30 cm is required in front of the unit.



Caution - This unit is intended for indoor use only.



Caution - Modules will hum slightly and internal relays will click while in use. Mount in a location where such noise is acceptable.



Caution - Mount panel so that line voltage wiring will be at least 1.8 m from audio or electronic equipment and its wiring.

2. **Run power wiring (220V – 240V) into the panel.** Locations to run power wiring into the panel are shown at right (Figure 2). Dress the wire to the left side of the terminal blocks (modules will be to the right of the terminal blocks as shown in Figure 2). The main circuit breaker (MCB) is a 4 pole, 3 phase and will accept wire up to 35 mm². Tighten circuit breaker (MCB) to 3 Nm. Do not over-tighten.

3. **Install load wiring.** Dress the wire to the left side of the terminal blocks and output circuit breakers (modules will be to the right of the terminal blocks as shown in Figure 2). Terminal blocks will accept up to one 4mm² wire or two 1–1.5 mm² wires. Tighten terminal blocks to .40–.57 Nm. Module output circuit breakers will accept wire up to 25 mm². Tighten circuit breakers to 3 Nm. Do not over-tighten. Each module controls up to 4 loads. Wiring for the HW-RPM-4U dimming module is shown in Figure 4.



Caution - The total combined load of all four circuits in a HW-RPM-4U-LL-230 dimming module must be 13 Amps (2990 VA) or less.



Caution - No individual output of the HW-RPM-4U-LL-230 dimming module may exceed 10 Amps (2300 VA).

PBK8-40-13-10-CE HomeWorks Interactive[™] Rough-In Enclosure

Figure 1 - Panel Dimensions

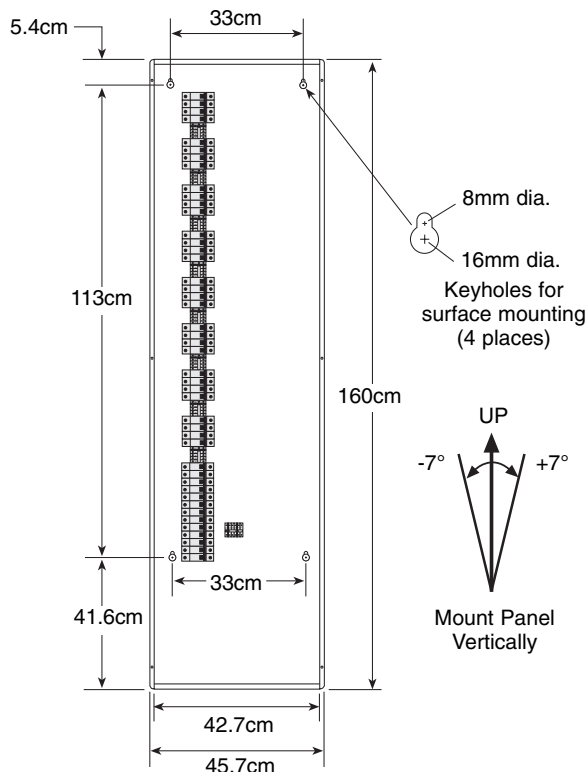
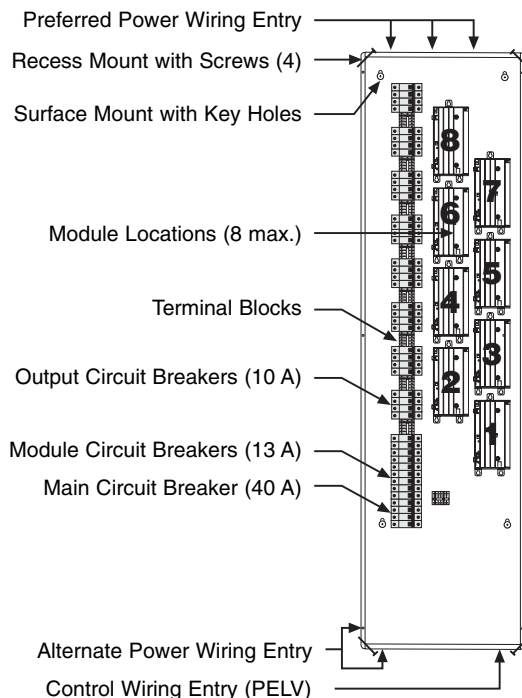


Figure 2 - Wiring and Mounting



LABEL EACH WIRE CLEARLY AS YOU WIRE TO THE TERMINAL BLOCKS AND CIRCUIT BREAKERS.

4. **Test all load wiring.** Turn on input power to the module locations using the module circuit breakers (shown in Figure 2). The pre-installed bypass jumpers will distribute power to each load and **MUST NOT** be removed until after all loads are fully tested. Check all connected lighting to ensure it is on. If a breaker trips, a wiring error exists and must be resolved.



Caution - Do not remove bypass jumpers at this time. They will be removed when the modules are installed.

5. **Leave this instruction sheet in the enclosure.** The wiring diagram in Figure 4 will be used to install the dimming modules.
6. **Install cover.** Ensure vents are on the right hand side of the cover, over the module area. Tighten cover screws to 2.3 Nm.

Technical and Sales Assistance

If you need assistance, call the toll-free **Lutron Technical Support Center**. Please provide exact model number when calling.
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Figure 3 - Load Wiring

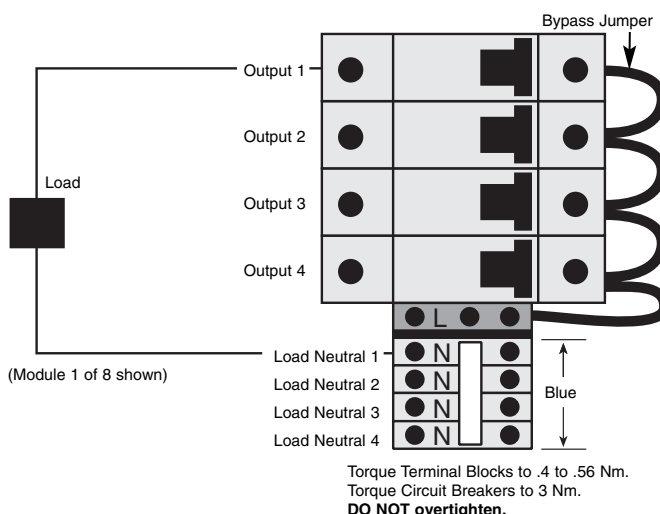
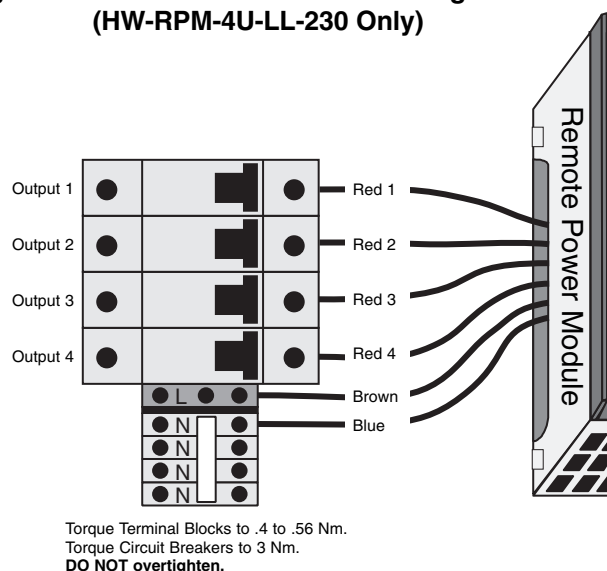


Figure 4 - Remote Power Module Wiring
(HW-RPM-4U-LL-230 Only)



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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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