

HTUB12 /12W /24 /24D /48 /48D

Lighting Control Panel Tub Installation and Setup



The HTUB12/24/48 is the standard box (“tub”) for a Watt Stopper Lighting Control Panel (LCP). The HTUB12W/24D/48D is the larger box with an integrated DIN rail for mounting Class 1 accessories.

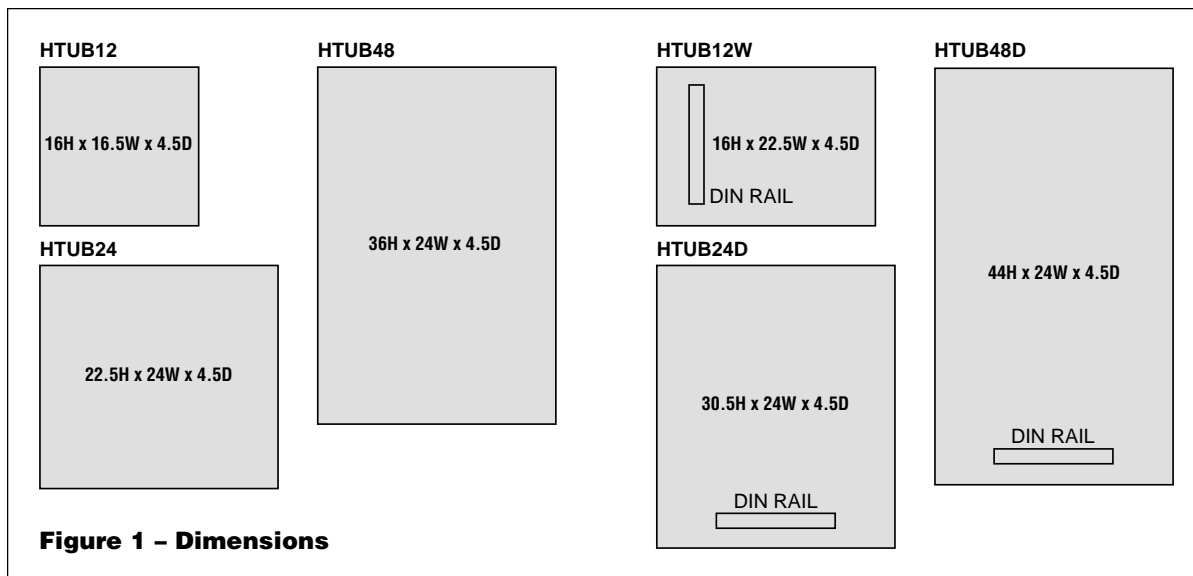
A complete panel assembly includes one each of:

1. Tub (HTUB series)
2. Interior with relays or contactors (HIN or ACP series)
3. Power Supply (HPSM115/277x)
4. Cover to match the tub (HCVR series)

Separating these four components simplifies installation. The Tub can be mounted early to allow conduit installation and rough-in wiring. The Interior, which includes the relays or contactors and the terminations, simply slides into the Tub. The lighting circuits and low-voltage control wiring can then be terminated in the Interior. Finally, the Cover can be screwed into place to complete the panel installation.

Environment

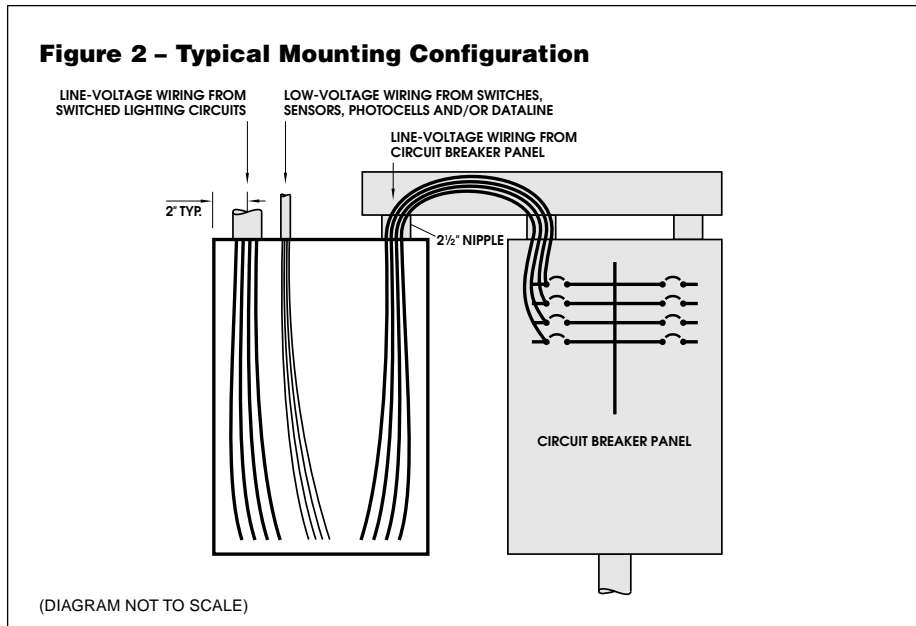
- Mount in indoor area
- 32° to 131°F (0° to 50°C)
- 10 to 95% relative humidity, non-condensing
- 15 volts/meter, 10 KHz to 2 GHz maximum RFI
- Stationary applications



Santa Clara, CA 95050

Before starting, read the instructions on this page and the next. If you have any questions, call our Service Team at: 888-852-2778.

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CAUTION: Make sure all power is off before wiring. Do not energize wiring until the unit is fully assembled. Conform to all applicable codes when mounting tub.

Mounting Orientation

The tub should be level, plumb and rigidly installed with hardware sufficient to hold 100 lbs. (46 kg) minimum. See **Figure 2** and the photos left for a typical mounting configuration. The product label should be in the lower left corner of HTUB12/12W and in upper right corner of HTUB24/24D and HTUB48/48D.

If flush* mounting ...

The front flange should be flush with the final finished wall surface.

For multiple panels ...

For surface mounting, allow a minimum of 1/4" between adjacent tubs for shoebox cover clearance.

For flush* mounting, allow a minimum of 1 3/4" between adjacent tubs for butt alignment of flush covers.

Wiring

Route line-voltage wiring and Class 2 low-voltage wiring from switches, sensors, photocells and dataline (if used) through the top, bottom or sides of the tub as shown in **Figure 2** and the photos left.

For relay-based panels, confine line-voltage wire entry to the left side and bottom of HTUB12/12W, and to the sides of HTUB24/24D and HTUB48/48D as indicated by the gray areas in **Figure 3**. In the HTUB24D/48D, the line-voltage area extends across the bottom of the tub where the DIN rail is mounted (as shown). Low-voltage wire entry should be confined to the areas shown in white.

For contactor-based panels, confine line-voltage wiring to the right half of all tubs and low-voltage wiring to the left half.

*Flush-mounted cover is not available for the HTUB12W tub with DIN rail. Surface mount only.



The tub should be level, plumb and rigidly mounted.

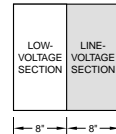


Route wiring through the top, bottom or sides.

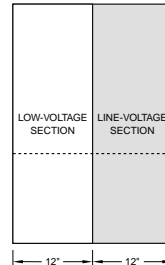
Figure 3 – Line-voltage and Low-voltage Tub Sections

CONTACTOR-BASED PANELS

HTUB12

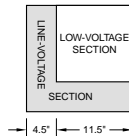


HTUB24 and HTUB48

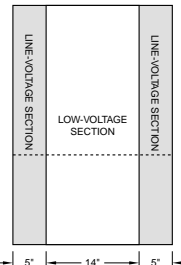


RELAY-BASED PANELS

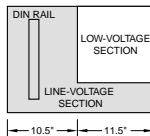
HTUB12



HTUB24 and HTUB48



HTUB12W



HTUB24D and HTUB48D

