

PWEx - Pre-wired Relay Panels

Project Name: _____

Part Numbers: _____ Date: _____

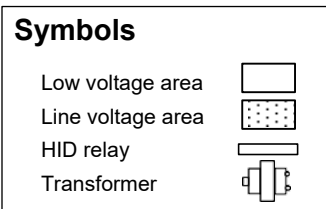
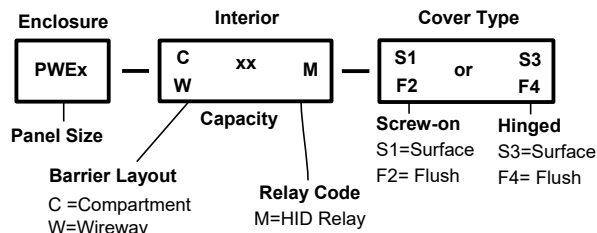
Features

- PWE series relay panels for Douglas HID relays are supplied with a separate interior. All of the components and barriers are mounted to the interior.
- Standardised sizes for 6 to 72 relays (WR-6172=2 relays)
- Panel consists of the enclosure (tub), the interior, and the cover
- Enclosures are installed in the rough-in stage and interiors are installed and connected after wires are pulled
- Interior has snap brackets for mounting relays and DIN rail in the centre for mounting control components

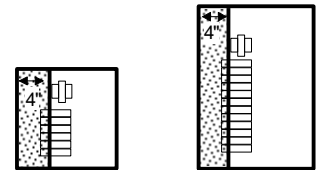
Typical Applications: PWE panels are primarily intended for projects where the interior is factory pre-assembled. To install the relay panel the following sequence is recommended:

1. Mount the empty enclosure onto the wall and pull wires. It is recommended that all (or most) of the wires be pulled prior to installing the interior. This will prevent component damage from the wire pulling operation.
2. Relay line voltage terminals are sized for a maximum of 12AWG wire. For low voltage wiring 18AWG solid is recommended.
3. Once the wires have been pulled, install the interior, and bolt it into place. Make line connections to relays according to the panel schedule provided. If there is no schedule, identify circuits on a blank schedule.
4. To test circuit, turn circuit breaker off, use manual lever to turn relay on and then turn on the circuit breaker. This will help prevent relay contact welding due to dead shorts.
5. Verify that the schedule matches the lights operated by the relay.
6. Once the line circuits are connected and verified, connect low voltage switch wiring to relays or devices.

PWE Panel Numbering System



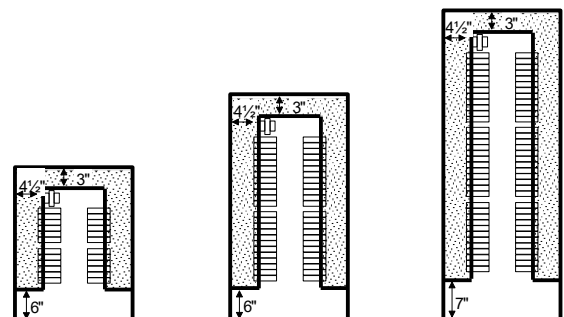
Compartment Style Barrier Layout



| CAPACITY | 6 | 12 |
|--------------|--------------|--------------|
| PART No. | PWE0-C06M-** | PWE1-C12M-** |
| SIZE (HxWxD) | 12x12x4.25 | 20x14x4.25 |

**Add cover style number at end of P/N

Wireway Style Barrier Layout

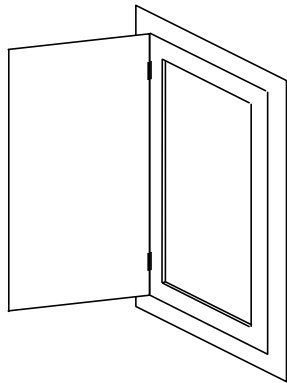


| CAPACITY | 24 | 48 | 72 |
|--------------|--------------|--------------|--------------|
| PART No. | PWE3-W24M-** | PWE6-W48M-** | PWE8-W72M-** |
| SIZE (HxWxD) | 27x20x4.25 | 39x20x4.25 | 54x20x4.25 |

**Add cover style number at end of P/N

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PWE Panels: Exploded View

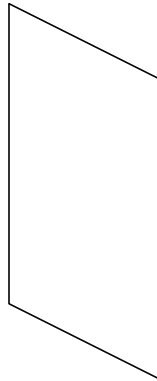


Hinged Covers

Surface (S3) or Flush (F4).

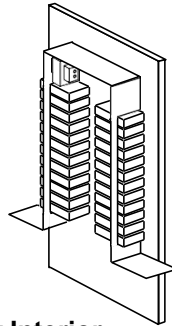
Install right side up or upside down for right-to-left or left-to-right door.

The inner trim of the hinged cover covers over all the line voltage wiring. Access to the relay's manual control levers is in the low voltage compartment.



Screw-on Covers

Surface (S1) or Flush (F2)



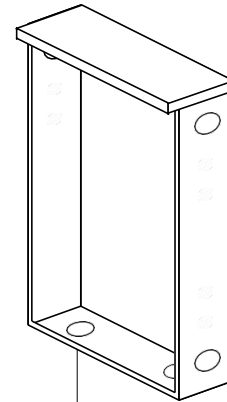
Relay Interior

Relays mount to snap rails. Barriers are included to provide line/low voltage division.

Transformers mount to 1/2" knock outs located in the barrier.

Control components are mounted to DIN rail in center of interior.

Pre-assembled PWE panels will have panel schedules completed according to information provided and all low voltage control connections pre-wired.



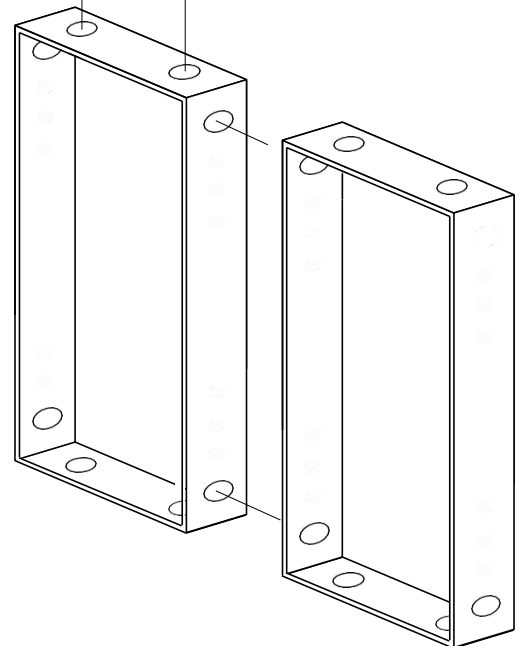
Drip Hood

Option on panels with surface cover

Tu

Stacking Panels

Knockout holes align with panels of equal width



Technical Details

| | |
|--------------------|---|
| OPTIONS | <ul style="list-style-type: none"> Hinged surface or -ush covers Covers opening: left-to-right or right-to-left Driphoods (surface mount only) NEMA 4 enclosure Custom paint Voltage dividers |
| APPROVALS | <ul style="list-style-type: none"> UL listed, CSA approved EEMAC/NEMA 1 Standard |
| ENVIRONMENT | <ul style="list-style-type: none"> Enclosures and covers are made of steel coated with heat fused polyester epoxy ANSI/ASA 61 Grey finish Interior insert is made from aluminum, steel, and plastic |
| WARRANTY | <ul style="list-style-type: none"> Standard 5 - years |