
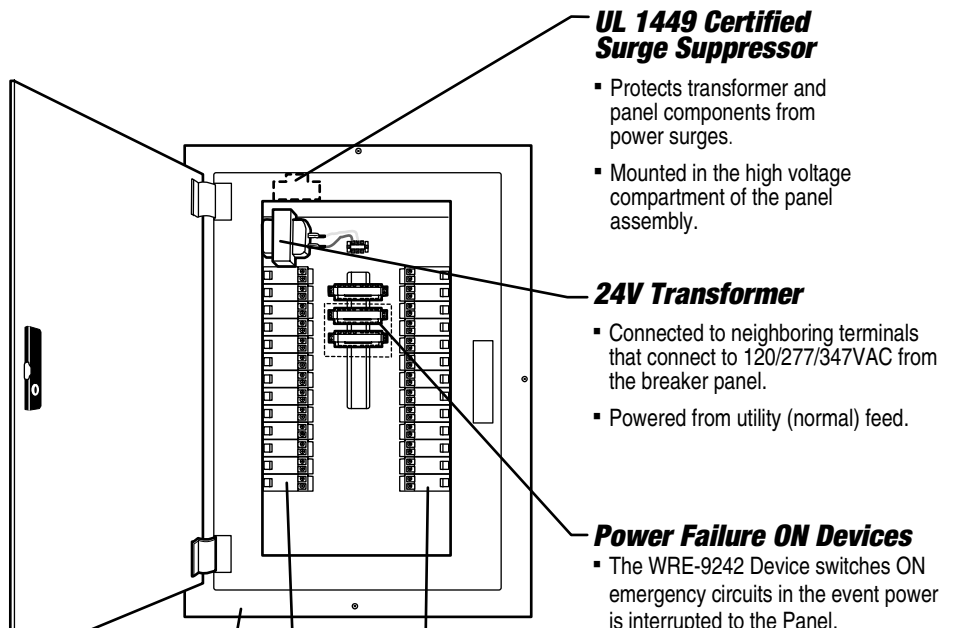


	PART No.	DESCRIPTION	SPECIFICATION
	<p>EPWE-Series Emergency Relay Panels</p>	<ul style="list-style-type: none"> ▪ Douglas EPWE- series relay panels are a versatile line of panels that use Douglas HID relays and utilize emergency ON protection in the event of power interruption. ▪ Standard sizes range from 24 to 72 relay capacity. ▪ A 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. ▪ Panel includes one or more WRE-9242 Emergency Power ON devices that signal ON relays controlling emergency lighting circuits if there is power interruption. ▪ Panels are certified to UL 924 Standard. 	<p>Input Power</p> <ul style="list-style-type: none"> ▪ Line voltage: 20A, 120/277. <p>Relays</p> <p>Control Input</p> <ul style="list-style-type: none"> ▪ Class 2 circuit, 350mA, 24V reverse polarity pulse. ▪ Class 2 input terminals: #16 AWG. <p>Output Contact Ratings</p> <ul style="list-style-type: none"> ▪ More than 30,000 operations with 20A load, 2000A inrush at 20 times/minute switch speed. ▪ UL Listing: 20A 300VAC, 2400 W 120 VAC 'T', 20A 300 VAC 'F', 20 A 480 VAC (WR-7172 model only). UL Endurance Test: 150,000 cycles. SCCR Rating: 14KA (WR-6161 and WR-6161-3 models only).

PARTS



UL 1449 Certified Surge Suppressor

- Protects transformer and panel components from power surges.
- Mounted in the high voltage compartment of the panel assembly.

24V Transformer

- Connected to neighboring terminals that connect to 120/277/347VAC from the breaker panel.
- Powered from utility (normal) feed.

Power Failure ON Devices

- The WRE-9242 Device switches ON emergency circuits in the event power is interrupted to the Panel.
- The device is connected directly to as many as 2 emergency-designated relays.
- Additional WRE-9242 Devices can be installed in the Panel, depending on the number of emergency-designated relays.

Panel Assembly

- Outer enclosure and cover made of steel coated with ANSI/ASA grey epoxy finish. Interior insert is aluminum and steel.
- Various sizes to fit 24 to 72 relays.
- EEMAC/NEMA 1 Standard or NEMA 4 or NEMA 4x Standard.
- Hinged, surface or flush cover.

Output Relays

- 24 to 72, depending on panel size.
- Rated 20A, 120/277.
- Connect black to top terminal and red to bottom terminal for each relay used.

- CSA Certifications: 20A 347 VAC, 2400 W 120 VAC 'T', 20 A 347 VAC 'F'.
- Output terminals: #10 - #14 AWG.

Transformer

- 24VAC at full load.
- Class 2 -current limiting.

Surge Protector

- Certified to UL 1449 Standard.

Power Failure ON Device

- Input Power: 24VAC 250mA Class 2 Low Voltage device.
- Each of the unit's 2 relay outputs sends a relay ON pulse when the input 24VAC power is interrupted.

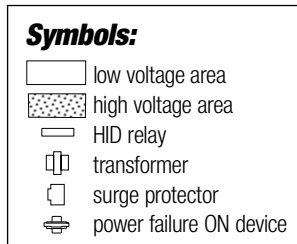
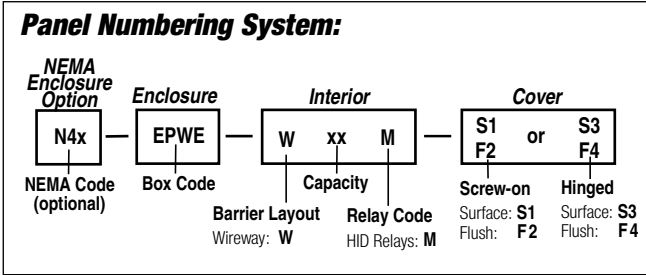
Panel Assembly

- Enclosure, barriers and cover made of steel coated with ANSI/ASA 61 Grey epoxy finish.
- EMAC/NEMA 1 or NEMA 4 or NEMA 4x Standard.
- ETL certified to UL924 Standard.

Panel Assembly

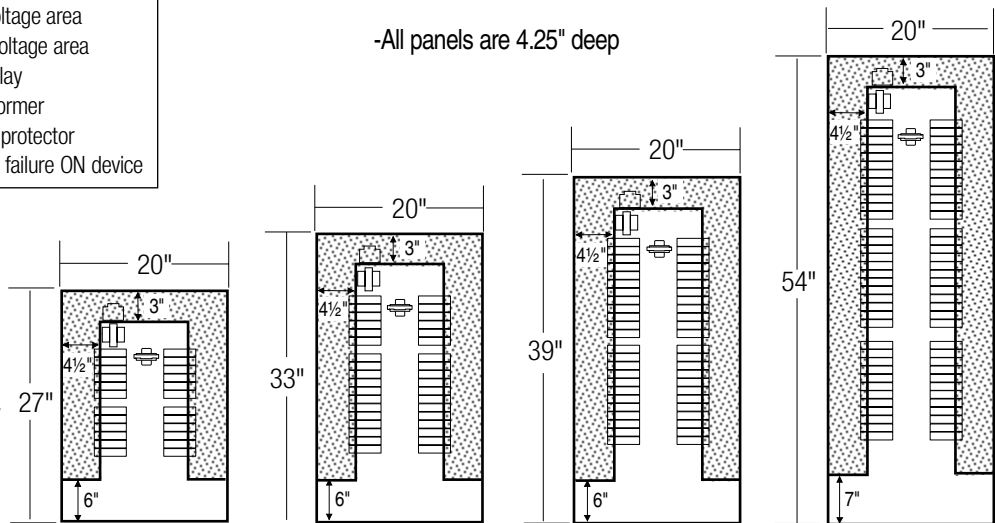
- Indelibly-printed, pressure-sensitive Emergency Circuit Warning Label provided with the Relay Panel and affixed to the front cover.
- 24VAC output at full load. ■24

PANEL DIMENSIONS AND LAYOUT



-All panels are 4.25" deep

Wireway Style Barrier Layout



Capacity	24 relays	36 relays	48 relays	72 relays
Part Number	EPWE3-W24M-**	EPWE4-W36M-**	EPWE6-W48M-**	EPWE8-W72M-**

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

Emergency Circuit Wiring Diagram

