

LOW VOLTAGE RELAY

HDR-11

Rated for up to 30A
ballast lighting loads

14,000A SCCR

Single pole, heavy
duty power contacts



Mechanically latching relay

Built-in manual actuator

Five-pin pluggable connector
for easy low voltage connection

DESCRIPTION

The HDR-11 is used for control of lighting circuits and other electrical loads in Wattstopper's Peanut Panels, Lighting Integrator Control Panels and Lighting Management Control Panels. Momentary, low voltage signals from the panel's control system switch the relays on or off. Mechanical latching operation results in lower power consumption and ensures the relay will remain in the last switched state in the event of a power loss. A built-in manual actuator allows the relay to be turned on or off in the event of a panel failure. The relay mounts into a standard 1/2" knockout and comes with a 5-pin phenolic connector for easy panel connection.

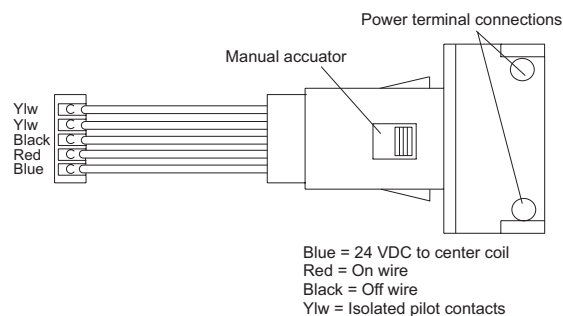
RATINGS

Ballast load (including HID)	30A @ 277VAC 20A @ 347VAC
E-Ballast (per NEMA 410, includes LEDs)	16A @ 120VAC 10A @ 277VAC
Tungsten load	20A @ 120VAC
Resistive load	30A @ 347VAC
Motor load	1½ HP @ 120VAC
Receptacle load	20A @ 120VAC
Torque	16 in—lb / 1.81 Nm

SPECIFICATIONS

- Single pole, single throw (SPST), split coil, mechanically latching relay with isolated pilot contacts
- 1/2" knockout mounting
- Accepts wire gauge #10–#14 AWG, copper wire, solid or stranded. Accepts 2-line and 2-load conductors.
- Operating voltage 24VDC
- Isolated pilot contacts, rated up to 0.5A @ 24VAC/DC for status feedback
- Integral manual override
- Suitable for use with all HID ballasted loads
- Expected service life is over 25 years at nominal load and cycle rate
- Dimensions: 3.2"x 1.3"x .85" (81.3 mm x 33.0 mm x 21.6 mm)
- UL/C-UL listed; five year warranty
- E-Ballast ratings based on NEMA 410 standard
- Rated 14,000A @ 347VAC Short Circuit Current Rating (SCCR)
- Suitable for use on a circuit capable of delivering not more than 65kA rms symmetrical amperes, 347V maximum when protected by a listed fuse type CC rated 30A maximum
- Internal ferrite to prevent electrical noise on low voltage wires

HDR WIRING



ORDERING INFORMATION

Catalog #	Description
<input type="checkbox"/> HDR-11	Mechanically latching low voltage relay with five-pin plug-in connector, pilot contacts, override switch

30609r1 Rev 04/2021

PROJECT

LOCATION/
TYPE