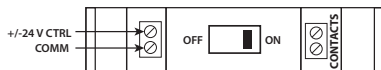
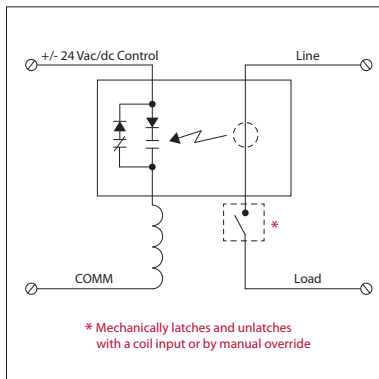


LATCHING RELAY

FDL20ALRMU

Mechanically Latching Relay, 20 Amp SPST + True Override, 24 Vac/dc Coil, DIN Mount



SPECIFICATIONS

Relays & Contact Type: One (1) SPST Latching Relay

Expected Relay Life: 1 million cycles minimum mechanical

Operating Temperature: -30 to 140° F

Humidity Range: 5 to 95% (noncondensing)

Operate Time: 50ms

Maximum Pulse Length: 3 seconds

Dimensions: 2.76"H x 3.88"W x 0.78"D

Housing Detail: See **Housing K** in housing guide for dimensions

Origin: Made of US and non-US parts

Terminal Strip Input: 12-28 AWG wire

Terminal Strip Output: 10-24 AWG wire

Approvals: UL508, CE, RoHS

Gold Flash: No

Override Switch: Yes

Contact Ratings:

20 Amp Resistive @ 120-277 Vac

20 Amp Ballast @ 120-277 Vac

16 Amp Electronic Ballast @ 120-277 Vac

5540 Watt Tungsten @ 277 Vac

720 VA Pilot Duty @ 120-277 Vac

2 HP @ 277 Vac

3 HP @ 240 Vac

1.5 HP @ 120 Vac

Coil Current:

481mA @ 20Vac

552mA @ 24Vac

284mA @ 20Vdc

330mA @ 24Vdc

426mA @ 30Vdc

Latch / Unlatch:

Min. 20 Vdc / 22 Vac

Notes:

- A load drawing at least 0.3 Amps AC must be attached to the contacts to ensure correct operation.
- A diode structure within the coil only allows current to flow in one direction at any given time. The direction of the diode is determined by whether there is at least 0.3 Amps AC flowing through the relay contacts (i.e. whether the relay is ON or OFF).
- Voltage should not be applied to the coil for more than 3 seconds.
- Do Not apply full wave AC Voltage to control input, have-wave rectified voltage OK