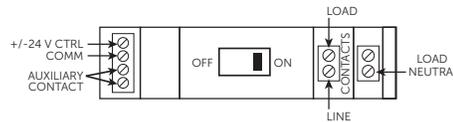
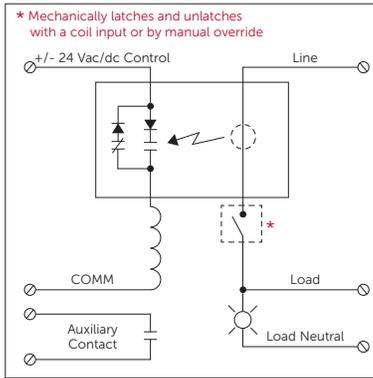


## LATCHING RELAY

### FDL20ALRM2U

Mechanically Latching Lighting Relay, 20 Amp SPST + True Override,  
24 Vac/dc Coil, Status LED, Auxiliary Output, 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  
**Contact Closed:** LED On = Voltage Detected on Load Wire  
**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:** 16-24 AWG wire  
**Terminal Strip Output:** 12-26 AWG wire  
**Approvals:** UL508 Recognized, 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

**Auxiliary Contact:**  
 5 Amp @ 30 Vac/dc max.

**Notes:**  
 A Load Neutral must be connected 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 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