

## OLR GENERAL USE OBSTRUCTION LIGHTING RELAY



### FEATURES/BENEFITS

- Solid state components for high reliability
- Cast aluminum 4" x 4" x 3" box with one-inch threaded hubs at top and bottom
- Toroidal current sensing
- Number of lamps selectable:  
1 to 4 single head obstruction lights, 1 double head obstruction light, or 2 lamps for beacon
- Lamp wattage selectable: 120V: 620/700W or 116W  
230V: 700W or 116W
- Isolated alarm outputs (10 amps at 120VAC or 30VDC)
- Spare lamp output rated 125W
- Red LED lamp failure indicator
- May be installed before or after a flasher unit
- Multiple wires may be passed through the toroid such as for two beacons
- Suitable for 50 or 60Hz frequency power
- Voltage tolerance  $\pm 20\%$  of 120 or 240V
- Operating temperature:  $-40^{\circ}\text{F}$  to  $150^{\circ}\text{F}$   
 $-40^{\circ}\text{C}$  to  $65^{\circ}\text{C}$

### APPLICATION

The OLR is a universal transfer and alarm relay. It is programmable by means of a selector switch to sense up to two beacons or four obstruction light lamps. Typical applications:

- Lamp failure alarm relay for up to four single obstruction lights.
- Alarm relay for one double head obstruction light with transfer of power from the failed lamp to the standby lamp.
- Lamp failure alarm relay for up to two flashing beacons.

### ORDERING INFORMATION

Catalog Number	Description	Voltage*
70020	Universal Transfer/Alarm Relay	120
70220	Universal Transfer/Alarm Relay	220-240

\*Two wire voltage

### OPTIONS

Options	Add Suffix
OLR unit for use with LED style beacons or obstruction lights	-LED
OLR unit mounted in a Class I, Division 1 & 2 explosionproof (NEMA 4X, 7) enclosure	-X4

### WIRING DIAGRAM

NOTE: ALARM RELAY (AR1) IS PROGRAMMABLE FROM 1 TO 4 LAMPS  
SELECT ONLY ONE LAMP SWITCH

