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SCR490D **Beacon & Obstruction** Lamp Alarm Relay

FL-81011 (with device box) • 68-SCR490D (w/o device box)



Web:

The SCR490D Series is used to provide remote monitoring of steady burning incandescent marker and obstruction lighting. Four onboard switches allow operator programming for lighting systems with two through nine lamps on a single AC circuit. The SCR490D uses a toroidal sensor and electronic circuitry to sense the failure of one or more lamps.

Operation

When a lamp fails, the SCR490D senses a decrease in current flow. Then, after a fixed time delay, it transfers to its alarm mode. In alarm mode, the LED indicator, the output relay (SPDT isolated contacts), and a non-isolated solid-state output are energized. Replacement of the failed lamps resets the alarm outputs and the LED indicator. To prevent false alarm signals, power must be applied to the SCR490D at the same time that lamps are energized.

Features:

- Senses failed obstruction lamps
- 2 9 steadily burning lamps can be monitored
- Toroidal current sensing
- Isolated, 10A, SPDT alarm output contacts
- 1A, solid-state line voltage alarm output
- 6 second trip delay prevents nuisance alarms

Available Models:

SCR490D

Order Table:

Input Part Number

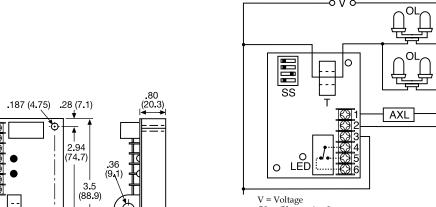
Specifications:

Operation	
Number of Lamps	2 - 9 (selectable)
Lamp Wattage	116W, incandescent lamps
Rated Lamp Voltage	120 or 130VAC (selectable)
Monitored Voltage	120VAC ±3%
Trip Delay	≅ 6s fixed
Voltage	120VAC
AC Line Frequency	50/60Hz
Tolerance	120VAC 20% - 10%

Line Voltage Output (Solid State Rated) ≤ 125W to operate a spare lamp or alarm 1/4 hp @ 125VAC; 1/2 hp @ 250VAC

. Screws with captive clamps for up to 14 AWG (2.45 mm²) wire Circuitry Encapsulated Operating / Storage Temperature-40° to 65°C / -40° to 85°C Humidity......95% relative, non-condensing Weight.....≅ 6.8 oz (193 g)

SCR490D Connection Diagrams



OL = Obstruction Lamps T = Toroid SS = Selector Switch AXL = Auxiliary Load/Alarm Relay contacts are isolated.

