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

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**Specifications:**

<table>
<thead>
<tr>
<th>Input</th>
<th>Part Number</th>
<th>SCR490D</th>
</tr>
</thead>
</table>

**Order Table:**

<table>
<thead>
<tr>
<th>Input</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120VAC</td>
<td>SCR490D</td>
</tr>
</tbody>
</table>

**Line Voltage Output (Solid State Rated)**<br>≤ 125W to operate a spare lamp or alarm<br>Isolated Alarm Output<br>10A @ 120VAC or 30VDC resistive; 1/4 hp @ 120VAC; 1/2 hp @ 250VAC

**Mounting**

Surface mount with two #6 (M3.5 x 0.6) screws

**Dimensions**

3.5 x 2.5 x 1.75 in. (88.9 x 63.5 x 44.5 mm)

**Termination**

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)

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**SCR490D Connection Diagrams**

![SCR490D Connection Diagram](image)