TLM TOWER LIGHT MONITOR

- Monitors incandescent lamps for failure
- Senses failed flashing beacon or obstruction lamps
- Switch-selectable number, voltage and wattage of lamps
- 10A isolated SPDT alarm output contacts
- 1A solid state line voltage alarm output
- Toroidal current sensing

MONITOR STEADY OR FLASHING BEACON LAMPS

The TLM is a universal lamp alarm relay designed to sense the failure of flashing or steady incandescent beacon lamps or steady side lights. The toroidal current sensor provides isolation and allows monitoring of more than one line at a time. The TLM energizes when one or more lamps fail. It will monitor the operation of up to four side lights or four beacon lamps.

OPERATION

When a lamp fails, the TLM senses a decrease in current flow. After a fixed time delay, the LED glows and two alarm outputs energize. The outputs and the LED are reset when the failed lamps are replaced and the current returns to the nominal setting, or when the input voltage is removed.

LAMP MONITORING CAPACITY(IN LAMPS):

Wattage	48W	100W	116W	500W	620W	700W
# of Lamps	0	4	4	2	4	2

SPECIFICATIONS

Dimensions:
3.5” (8.89cm) H
2.5” (6.35cm) W
1.75” (4.45cm) D

Operating Tempurature:
-40° to 65° C

Input Voltage:
120VAC ± 10% 50–60 Hz

Line Voltage Output (Solid State Rated)
≤ 125W at 120VAC to operate a spare lamp or alarm

Isolated Alarm Output:
10A at 250VAC or 30VDC resistive; 1/4hp at 125VAC; 1/2hp at 250VAC

Mounting:
Two #6 (M3.5 x 0.6) screws

Termination:
Screws with captive clamps for up to 14AWG ($2.45mm^2$ wire)

Trip Delay:
Factory fixed at ≈ 6s

Circuitry:
Encapsulated

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