

TLM-LED TOWER LIGHT MONITOR

- Monitors LED lamps for failure
- Designed for use with all types of LED beacon and obstruction lamps
- Number of lamps monitored is switch selectable up to 8
- 10A isolated SPDT alarm output contacts
- Provides visual relay status of operation, alarm, trip delay, and calibration
- Self-calibrating



MONITOR STEADY OR FLASHING BEACON LAMPS

The TLM-LED is a universal lamp alarm relay designed to sense the failure of flashing or steady LED beacon lamps or obstruction lamps. The TLM-LED monitors the operation of one to eight lamps and energizes when one or more lamps fail. All monitored lamps must be the same wattage and voltage. When properly integrated with ARC Plus or ARC Solo systems, it provides the remote lamp monitoring protection required by the FAA-AC No: 150/5345-43E.

OPERATION

When a lamp fails, the TLM-LED senses a decrease in current flow. After a 10s trip delay, the onboard LED glows and the two alarm outputs energize. The outputs and the LED are reset when the failed lamps are replaced and the unit is recalibrated. Removing the input voltage de-energizes the output and the LED.

INDICATOR TABLE

Green	Input ON & Calibrated
Green Flashing	Trip Delay
Red	Lamp Failure
Red/Green Flashing	Calibrating
Red Flashing	Not Calibrated

SPECIFICATIONS

Dimensions:

3" (7.67 cm) H
2" (51.3 cm) W
1.64" (41.7 cm) D

Operating Temperature:

-40° to 60° C

Input Voltage:

120 to 230VAC ±15%
50/60Hz

Line Voltage Output

5A @ 240VAC or
30VDC resistive;
1/4 hp @ 125VAC;
1/2 hp @ 250VAC
To operate a spare lamp or alarm

Isolated Alarm Output:

10A @ 240VAC or 30VDC resistive;
1/4hp at 125VAC;
1/2hp at 250VAC

Mounting:

One #10 (M5 x 0.8) screw

Termination:

Screw terminals for up to 14 AWG (2.45 mm²) wire

Trip Delay:

Factory fixed at ≈ 10s

Circuitry:

Encapsulated