



LED Obstruction Lighting Controller with Transfer Relay & Alarm FL-81051

Compliance and Applications

- FAA AC 150/5345-43G

Our FL-81051 LED obstruction lighting controllers have been designed to reliably sense the proper operation of the latest low-power LED obstruction lights, with an array of dry alarm contacts to report on all aspects of system health.

Features

- AC input - 120V AC, 240V AC, or 277V AC
- DC input - 24V DC only
- Sophisticated current sensing enables reliable monitoring of the latest low-power LED obstruction lights
- Factory configured for: up to 8 circuits of L-810 LED lights (single or double)
- L-810 LED lights: Up to 6 single or 3 double lights per circuit
- Transfer Relay mode available - energizes backup lighting in the event of a failure, up to 4 individual transfer relays
- Controller can be configured to operate L-810 sidelights in flashing or steady-burn mode
- Controller powers lights even if the photocell fails
- FAA photocell and bracket included
- User-friendly connectors
- Integrated surge protection
- Resistant to corrosion, shock and vibration
- Operates from -67° F to +131° F (-55° C to +55° C)
- 2 year warranty

Specifications

- Input Power: 120V AC 50/60Hz, 240V AC 50/60Hz, 277V AC 60Hz, or 24V DC

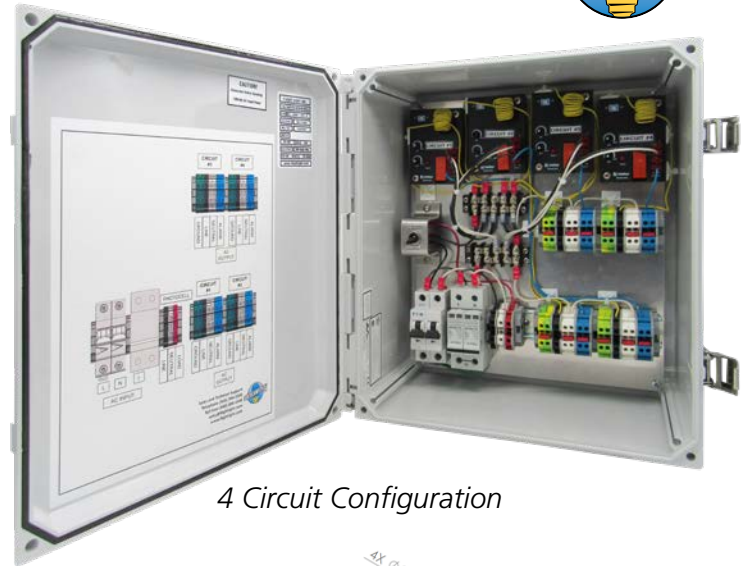
Ordering Codes

| Model | # of L-810 Light Circuits | L-810 Light Style | Input Voltage | Option |
|-----------------|---|--------------------------------------|---|---|
| FL-81051 | 0: No Circuits: No L-810 Lights 1: One Circuit: Up to 6 Single or 3 Double L-810 Lights 2: Two Circuits: Up to 12 Single or 6 Double L-810 Lights 3: Three Circuits: Up to 18 Single or 9 Double L-810 Lights 4: Four Circuits: Up to 24 Single or 12 Double L-810 Lights 5: Five Circuits: Up to 30 Single or 15 Double L-810 Lights 6: Six Circuits: Up to 36 Single or 18 Double L-810 Lights 7: Seven Circuits: Up to 42 Single or 21 Double L-810 Lights 8: Eight Circuits: Up to 48 Single or 24 Double L-810 Lights | S: Single D: Double | AC1: 120VAC AC2: 240VAC AC3: 277VAC ¹ DC: 24VDC | F: Flasher TR: Transfer Relay ² |

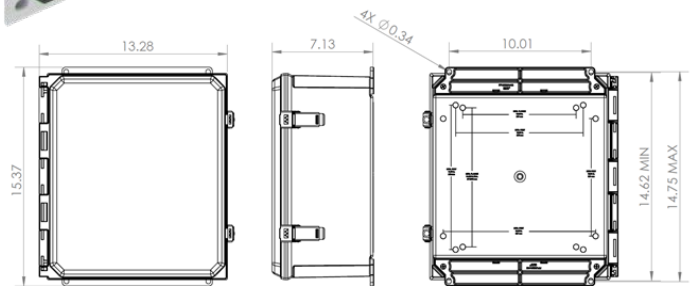
¹ Controller will convert 277VAC input to 120VAC output.

² For double head obstruction lights only.

³ Maximum eight circuits per controller. L-810 LED lights: Up to 6 single or 3 double lights per circuit.



4 Circuit Configuration



Mechanical Dimensions

- Enclosure Rating: NEMA 4x Polycarbonate (15.37"H x 13.28"W x 7.13"D)
- Controllers requiring 3-4 circuits and a flasher will be installed in a larger NEMA 4 Aluminum Enclosure (20"H x 16"W x 7.32"D)
- Surge Protection: MOV
- Alarm Type: Dry Contacts, Form "C"
- Warranty: 2 year limited warranty
- Compatibility: Controller will only work with L-810 LED obstruction lights that do not exceed the power consumption of 7VA per light fixture.

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