



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

Compliance and Applications

- FAA AC 150/5345-43G

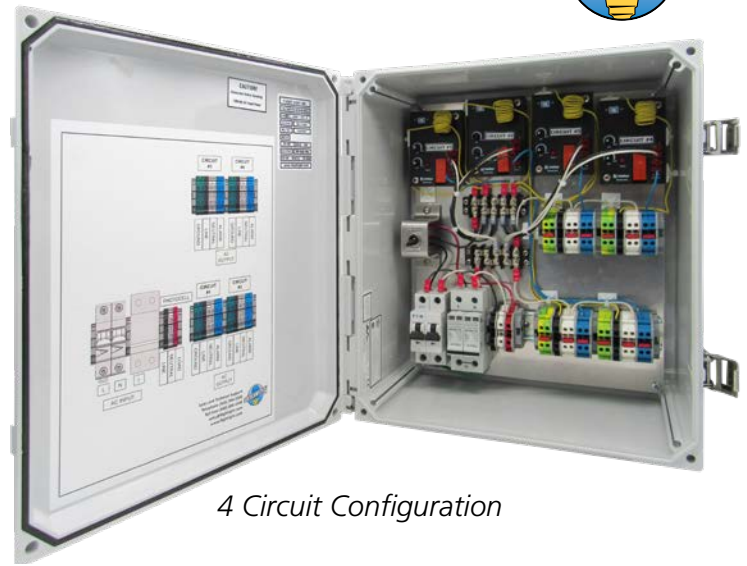
Our FL-81051 LED obstruction lighting controllers have been designed to reliably sense the proper operation of the latest low-power LED obstruction lights, with an array of dry alarm contacts to report on all aspects of system health.

Features

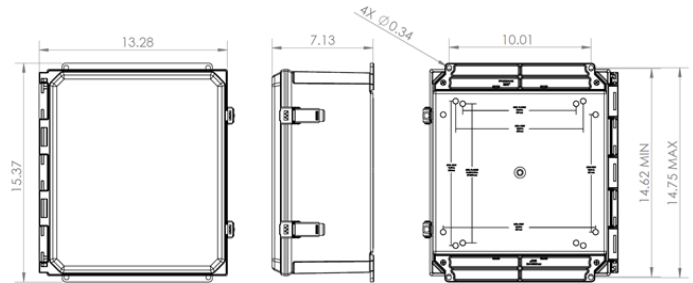
- AC input - 120V AC, 240V AC, or 277V AC
- DC input - 24V DC only
- Sophisticated current sensing enables reliable monitoring of the latest low-power LED obstruction lights
- Factory configured for: up to 4 circuits of L-810 LED lights (single or double) or L-864 LED beacons
- L-810 LED lights: Up to 10 single or 5 double lights per circuit
- L-864 LED beacons: Only one flashing beacon 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



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 Flight Light (Farlight) models FL-810L, FL-810LNV, and L-864 LED obstruction lights. The controller has not been calibrated to work with other lights.

Ordering Codes

Model	# of L-864 Beacons	# of L-810 Light Circuits	L-810 Light Style	Input Voltage	Option
FL-81051	0B: No L-864 Beacons 1B: One L-864 Beacon 2B: Two L-864 Beacons 3B: Three L-864 Beacons 4B: Four L-864 Beacons	0: No Circuits: No L-810 Lights 1: One Circuit: Up to 10 Single or 5 Double L-810 Lights 2: Two Circuits: Up to 20 Single or 10 Double L-810 Lights 3: Three Circuits: Up to 30 Single or 15 Double L-810 Lights 4: Four Circuits: Up to 40 Single or 20 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 four circuits per controller. L-810 LED lights: Up to 10 single or 5 double lights per circuit. L-864 LED beacons: Only one flashing beacon per circuit.

+1.800.806.3548 USA
 +1.916.394.2800 Worldwide
 +1.916.394.2809 Fax

www.flightlight.com
sales@flightlight.com

Flight Light Inc., 2708 47th Ave.
 Sacramento, CA, 95822, USA