

P/N: D264-A13-001-SP1 120 VAC
D264-A13-001-SP2 230 VAC

Certified to:

FAAAC No. 150/5345-43F

***Canadian Aviation Regulation
CAR 621.9 (Transport Canada)***

Compliant to:

***ICAO (Annex 14 - Fourth Edition,
July 2004)***



GENERAL

The Unimar SFM (Synchronized Flasher Module) provides synchronized flashing to any LED Beacon or obstruction lights connected to the device. The module consists of solid-state components encapsulated in a rugged plastic housing to protect against shock, vibration and humidity. This rugged assembly along with a photocell and LED beacon are then integrated into one single assembly. This provides the convenience of a single package, eliminating the need for a separate enclosure. As a result, installation costs will be greatly reduced.

APPLICATION

The LED Beacon with GPS technology, when utilized with multiple SFM's, provides the synchronized flashing function (proper sequence of ON / OFF time) for multiple LED beacons or LED obstruction lights. With a good GPS signal, beacon synchronization will occur within seconds from when the power is applied to the SFC. Synchronization is maintained whenever power is applied to the controller. The output to the LED beacon is switched ON via the isolated contacts of the Photo-Control.

NOTE: Our L864 LED Beacon provides the most focused beam meeting FAA requirements.

SYSTEM SPECIFICATIONS

Power Source: 120 VAC, 50/60 Hz (D264-A13-001-SP1)
230 VAC, 50/60 Hz (D264-A13-001-SP2)

Flash Rate: 30 ± 1% flashes per minute (1/2 ON and 1/2 OFF)

Power Consumption: 50 Watts

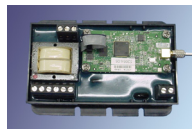
Operating Temp: -40° C to +55° C

INTEGRATED BEACON ASSEMBLY COMPONENTS

Miniature 3V GPS Antenna
Compact GPS Antenna with magnetic mounting - installed within the beacon.



Synchronized Flasher Module (1-Circuit) - Consists of solid-state components encapsulated in a rugged plastic housing to protect against shock, vibration and humidity - installed within the beacon.



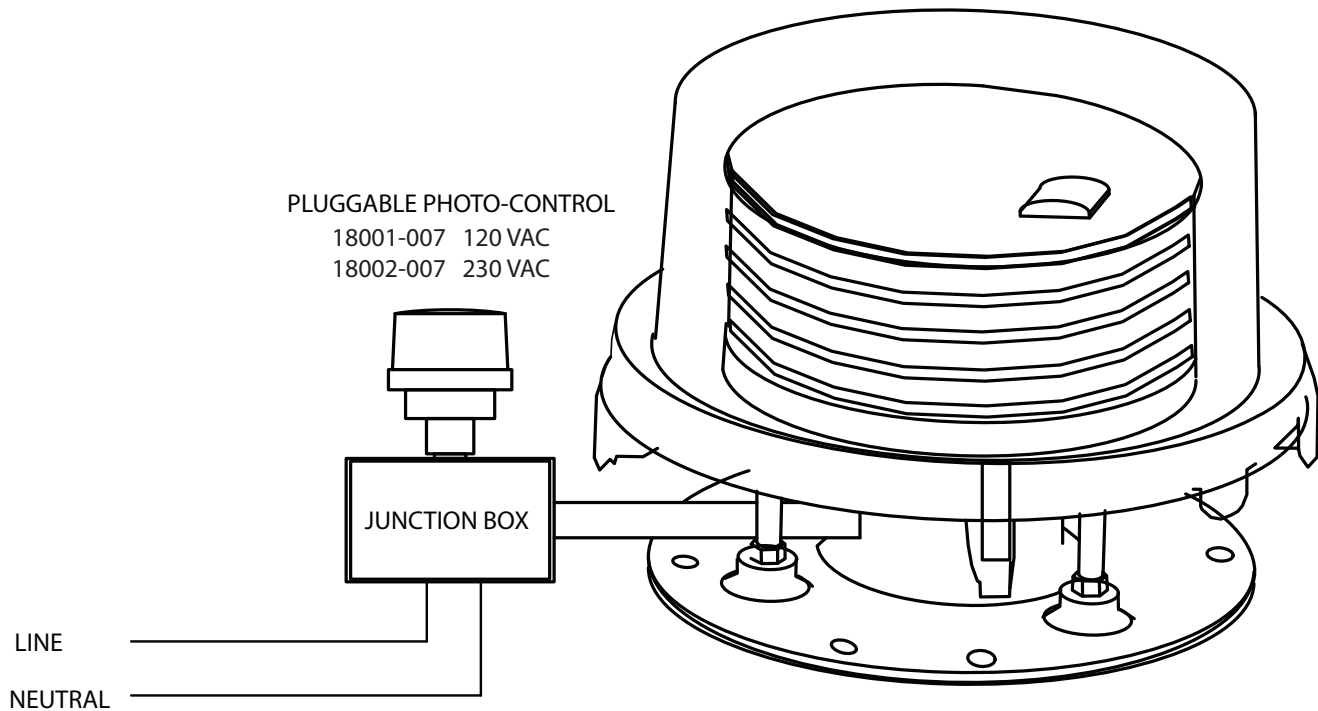
Photocell

Delayed response thermal series. Built-in time delay prevents false cycling caused by lightning flashes or stray headlights - installed outside the beacon.



INSTALLATION AND CONNECTION TO POWER SOURCE

1. Run power cable from Beacon to water-tight junction box.
2. Make power and load connections. (See wiring diagram.)
3. When field connections to the terminal block are complete, reinstall cover using four (4) screws supplied.
4. Ensure beacon base is grounded to structure.



- STEP 1: CONNECT BLACK LINE TO BLACK WIRE
STEP 2: CONNECT WHITE NEUTRAL TO WHITE WIRE
STEP 3: CONNECT GROUND WIRE