

Beacon with Synchronized Flasher Module

BCN-GPS



Certified to:

FAA AC No. 150/5345-43F

Canadian Aviation Regulation
CAR 621.9 (Transport Canada)

Compliant to:

ICAO (Annex 14 - Fourth Edition,
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GENERAL

The Unimar GPS controlled beacons, P/N D264-A13-001-SP1 and P/N D264-A13-001-SP2 provide synchronized flashing of multiple units in wind farms and other applications. The Unimar GPS controlled beacons, P/N D264-A13-001-SP3 and P/N D264-A13-001-SP4 not only provide the synchronized flashing function but also the following monitoring:

- Beacon failure
- Loss of GPS pulse signal (beacon ON steady)
- Photocell failure
- Loss of power

The monitoring and flash module is housed in a rugged plastic housing and fully encapsulated to protect against shock, vibration and humidity. The module is then mounted within the casting of the beacon, protecting the device from heat, sun and UV rays. With a good GPS signal, beacon synchronization is maintained whenever power is applied to the controller. The output to the LED beacon is controlled by the internal Photo-Control.

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.

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; D264-A13-001-SP3)
230 VAC, 50/60 Hz (D264-A13-001-SP2; D264-A13-001-SP4)

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.



EXTERNAL MONITORING OPTIONS

For the SP1 and SP2:

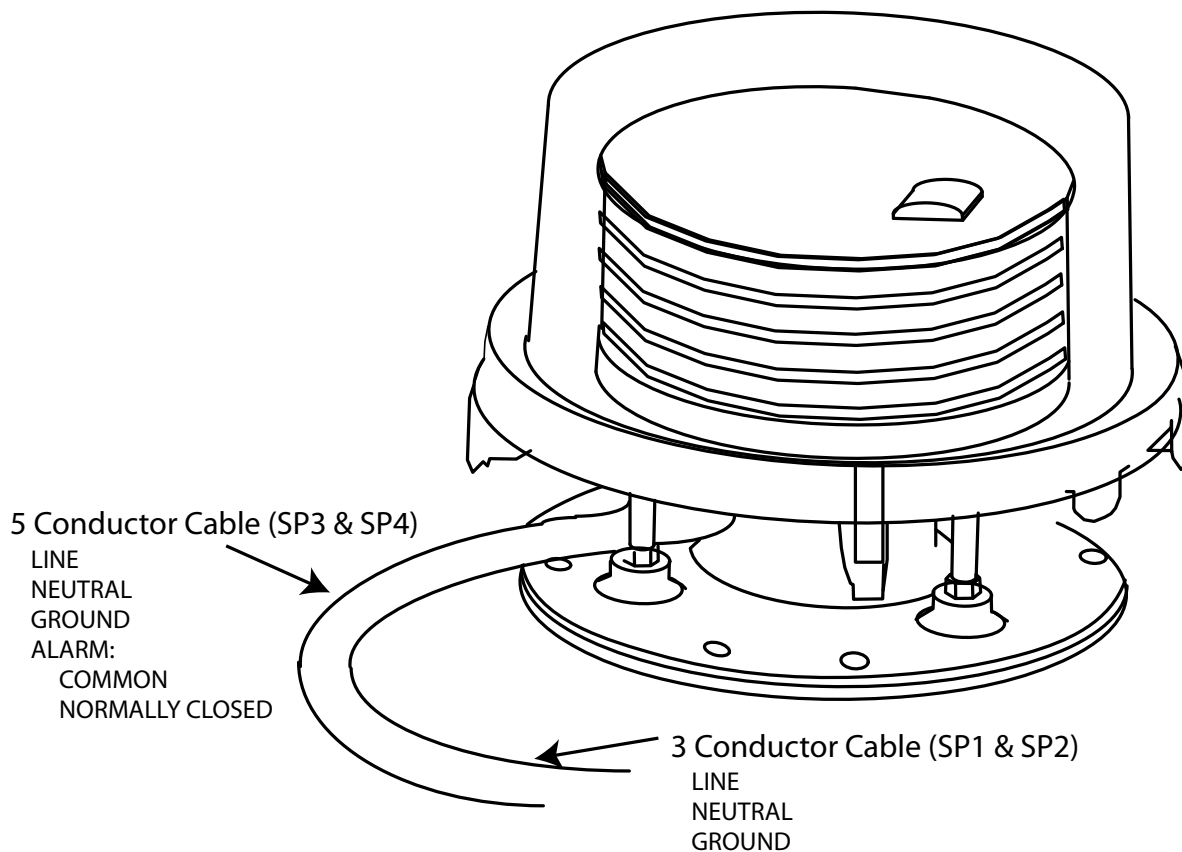
- P/N T-TM-LED-1 Solid-state Alarm Controller for remote alarm monitoring
- P/N T-T1-LED-1 Synchronized Flasher Controller with monitoring

ORDERING INFORMATION

Part Number	Description	Voltage
D264-A13-001-SP1	Beacon with Integrated GPS	120 VAC; 50/60 Hz
D264-A13-001-SP2	Beacon with Integrated GPS	230 VAC; 50/60 Hz
D264-A13-001-SP3	Beacon with Integrated GPS and Monitoring	120 VAC; 50/60 Hz
D264-A13-001-SP4	Beacon with Integrated GPS and Monitoring	230 VAC; 50/60 Hz

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. Ensure beacon base is grounded to structure.



Limited 5 year warranty