



# POINT OBSTRUCTION CONTROLLER POC

FOR 1 TO 11 FLASHING LED BEACONS  
BUILDINGS, TOWERS & OTHER STRUCTURES

POINT LIGHTING CORPORATION IS AN INTERTEK ETL CERTIFIED BUILDER OF INDUSTRIAL CONTROL PANELS UNDER UL 508A 2<sup>ND</sup> AND CSA C22.2 No. 286. POC PANELS ARE LABELED WITH THE ETL LISTED MARK.

The POC-69001 controller provides manual and automatic operation of the obstruction lighting system. The fiberglass reinforced polyester enclosure is rated NEMA 4X and IP66. The POC and lighting circuits are protected from transient voltage spikes by a 50kA interrupting surge suppressor. Main circuit breaker and photocontrol (PPC) override breaker. The POC-69001 controller is only for use with Point Lighting Corporation PFB-37003-R-1 LED obstruction lighting beacons.

- Beacons flash & sync by integral GPS
- FAA photoelectric control override
- Integral main breaker
- Surge protection
- ETL listed UL 508A industrial control panel
- Illuminated alarm indicators
- Accommodates one (1) to eleven (11) PFB-37003 red flashing beacons



Point Type	—	Voltage	—	Options
POC-69001		1-B: 120v 2-B: 220-240v		SS: Stainless Steel 316L Enclosure LA: Lightning Arrestor

## OBSTRUCTION LIGHTING SYSTEM CONTROLLER POC-69001-2-B



Additional items required for a complete lighting system:

- PFB-37003-R-1 LED Obstruction Lighting Beacon(s)
- PL11545-34 Junction Box Assembly (1 per PFB)
- PL40700-1-xxT FAA Photoelectric Control (1 per POC)
- PL11248 Handheld Programmer for beacon troubleshooting



Dimensions:	Inches (mm)
POC-69001	11.31 (287) x 9.31 (236) x 5.43 (138)





# POINT LIGHTING CORPORATION

## POINT OBSTRUCTION CONTROLLER POC

FOR 1 TO 11 FLASHING LED BEACONS  
BUILDINGS, TOWERS & OTHER STRUCTURES

### POC-69001-x-B SPECIFICATION

The LED obstruction lighting system shall be controlled by means of a POINT LIGHTING CORPORATION system controller type POC-69001-x-B.

The controller manufacturer shall be an Intertek ETL certified builder of Industrial Control Panels under UL 508A 2nd and CSA C22.2 No. 286 that are labeled with the ETL Listed Mark.

The POC enclosure shall be rated NEMA 4X (IP66) fiberglass reinforced polyester in gray (RAL 7036) with stainless steel piano hinged door and seamless gasket. The door is to be secured by two captive screws. All components shall be panel mounted. The dimensions in inches (mm): 11.31 (287) x 9.31 (236) x 5.43 (138). The enclosure may be punched or drilled for conduit entry. The enclosure shall be certified to IEC 529, CSA, KEMA and UL 508A Type 4X & 12, IP66 watertight and dust tight.

The controller shall be fitted with dry (voltage free) alarm contacts. Alarm contacts shall be N.O. (Normally Open) type.

All internal wiring and component spacing shall comply with the US National Electric Code. All components shall be prewired to IEC terminal blocks. Power shall be single phase measured line to neutral, 50 or 60 Hz.

The circuits shall be protected from transient spikes by a DIN-rail mounted surge suppressor with a 50kA maximum surge current to IEC 61643-1.

There shall be a main power circuit breaker and a breaker for FAA photocontrol (PPC) manual override.

All beacons supplied shall be PFB-37003-R-1 red FAA L-864 and ICAO medium intensity Type B. Each beacon has integral flashing synchronization via GPS.

The PL11248 handheld programmer (one per site; purchased separately) will allow for identification of the specific cause of a beacon alarm including open LED, short LED, over-temperature and GPS synchronization failure.



PFB-37003-R-1  
MEDIUM INTENSITY RED BEACON

PPC-40700-1-34T  
FAA PHOTOELECTRIC CONTROL  
Note: Required when a POC system controller is installed



## POINT LIGHTING CORPORATION

Mail: P.O. Box 686, Simsbury, CT 06070  
Tel 01 860.243.0600  
email: Info@PointLighting.com

Plant: 61-65 W. Dudley Town Rd, Bloomfield, CT  
USA  
Fax 01 860.243.0665  
website: www.PointLighting.com