

POINT OBSTRUCTION CONTROLLER POC FAA TOWER SERIES

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

The POC-69001 controllers provide 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 controllers are only for use with Point Lighting Corporation PFB 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
- Alarm indicators & remote contacts

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

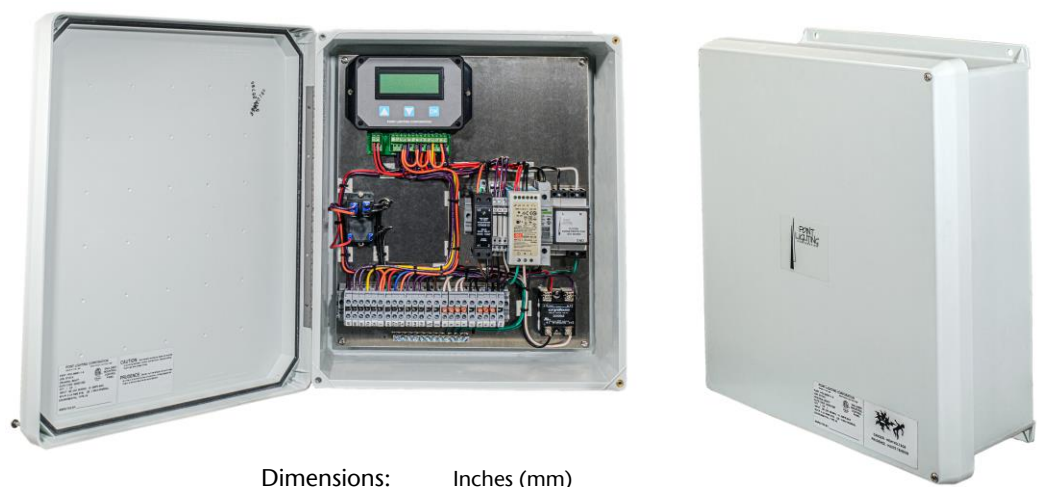
FAA Tower Type:	A1	A2-A6	D2	E1	E2
POC-69001-1-A	1		1	1	1
POC-69001-1-B		1			
PFB-37003 Red Beacon L-864	1	3 to 11			
PFB-37002 White Beacon L-865			3		
PFB-37002 Red-White Dual Beacon L-864/865				1	3
POL-21005 -S15K-NC Red Single FAA L-810	2+			2+	
PPC-40700-1-34T FAA Photocontrol	1	1			
PPC-40702-1-34T FAA Photocontrol			1	1	1
PL10836 Data Cable (Belden 9207)	X		X	X	X
PL11545-34 Junction Box per red beacon	1	TBD			
PL11220-98 Junction Box (mid-level riser)	1	TBD	1	1	1
PL11248 Handheld Programmer (recommended)		1			





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OBSTRUCTION LIGHTING SYSTEM CONTROLLER POC-69001-1-A FAA Tower Types A1, D2, E1 & E2



Dimensions: Inches (mm)
POC-69001-x-A 17.36 (441) x 15.30 (389) x 6.57 (169)

OBSTRUCTION LIGHTING SYSTEM CONTROLLER POC-69001-1-B FAA Tower Types A2 thru A6



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



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POC-69001 SPECIFICATION

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

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 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, watertight and dust tight.

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

Specific to POC-69001-x-A:

Note: Tower lighting systems operated by this POC controller require a data cable. See the data file for the PFB-37002 beacon series for details.

The controller shall be programmable in the field for use for FAA tower types A1, D2, E1 & E2. There shall be an LCD display module inside the door that allows scrolling through the system status and alarms as well as FAA photocontrol (PPC) manual override. The system shall automatically revert back to the normal PPC operation after 30 minutes if the override is left active.

If the system controller, FAA photoelectric control (PPC) or data cable fail, each beacon shall continue to operate in its highest intensity mode.

The controller internal temperature shall be monitored with the minimum and maximum temperatures stored in memory and viewable on the LCD screen. Upon over-temperature, an alarm will be generated and displayed on the LCD screen.

The controller run-time from date of installation shall be recorded and viewable on the LCD screen.

The controller shall have RS-485 communication capability for remote monitoring and control.

Specific to POC-69001-x-B:

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 controller shall be programmable in the field for use for one (1) to eleven (11) FAA L-864 red flashing beacons and FAA tower types A2 through A6.

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

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.

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