



POINT OBSTRUCTION TOWER KITS

POC TOWER CONTROLLERS

FAA TOWER SERIES

POINT LIGHTING CORPORATION IS AN INTERTEK ETL CERTIFIED BUILDER OF INDUSTRIAL CONTROL PANELS UNDER UL 508A 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 non-metallic enclosure is rated NEMA 4X/6P, IP66, IP68 and IP69. 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 in sync by data line
- Integral main breaker
- ETL listed UL 508A industrial control panel
- FAA photoelectric control override
- Surge protection
- LED alarm indicators & remote contacts

FAA Tower Kit Type:	A1	A2-A6	D1	D2	D2+1	E1	E1+1	E2	E2+1
POC-69001-AC-A Digital* 90-250V AC ^	1	1	1	1	1	1	1	1	1
Option -SS: Stainless Steel Enclosure									
Option -LA: Lightning Arrestor									
[1] = Optional ^ -DC available									
PFB-37003-R-1-P4 Red Beacon L-864**	1	3 - 11							
PFB-37004-W-1-P4 White Beacon L-865**			1	3	4				
PFB-37004-RW-1-P4 Red-White Dual Beacon L-864/865**						1	2	3	4
POL-21007-1F-R-34L-S2-BKTS-CF Red Single**	2 - 4					2 - 4			
POL-21007-1F-R-34B-D2.2-BKTS-CF Red Double**									
PPC-40700-1-34T-BKTS-CF FAA Photocontrol & Bracket	1	1							
PPC-40702-1-34T-BKTS-CF FAA Photocontrol & Bracket			1	1	1	1	1	1	1
PL11675-01 Junction Box	2	3 - 11	1	3	4	2	3	3	4
PL11562-TPM Bracket for PFB-37003	1	3 - 11							
PL11215-V4-TPM Bracket for PFB-37004			1	3	4	1	2	3	4
PL11676 Bracket for Tower Mounting POC & PL11675 Box	2	4 - 12	2	4	5	3	3	4	5
PL11266 Terminating Resistor Assembly	1			1	1	1	1	1	1
PL10836 Data Cable (when power cable is by others)	X	X		X	X	X	X	X	X
PL11665-12 Cable, Power & Data (riser)	X	X		X	X	X	X	X	X
PL11664-4C-16 Cable, Power & Alarm – PPC/POL Cable	X	X				X			
PL11248 Handheld Programmer – Alarm Analysis Tool		1	1	1	1	1	1	1	1
* Includes LCD display ** Transport Canada compliant									

TOWER DIGITAL SYSTEM CONTROLLER
POC-69001-AC-A
For All FAA Tower Types



POL-21007 Singles & PPC shown with
bracket option -BKTS



POC-69001-AC-A SPECIFICATION

All lights, photocontrol and system controller shall be designed and manufactured in the USA by a single manufacturer. This statement is met by Point Lighting Corporation.

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 and CSA C22.2 No. 286 that are labeled with the ETL Listed Mark.

The POC non-metallic enclosure shall be rated NEMA 4X/6P (IP66, 68 & 69) in gray (RAL 7036). 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. There shall be a main power circuit breaker and an FAA photocontrol (PPC) manual override.

Every Point Lighting obstruction light includes integral alarm monitoring of both visible and infrared (IR) LED emitters as well as both open and shorted LED failure modes. This monitoring is required by FAA and Point does not require external equipment for this function. Simple mid-level junction boxes may be used unlike other manufacturers.

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 LED alarm indicators and dry (voltage free) alarm contacts. Alarm contacts shall be N.O. (Normally Open) type.

Tower lighting systems operated by this enhanced POC digital controller require a data cable. See the data file for the PFB-37004 and PFB-37003 beacon series for details.

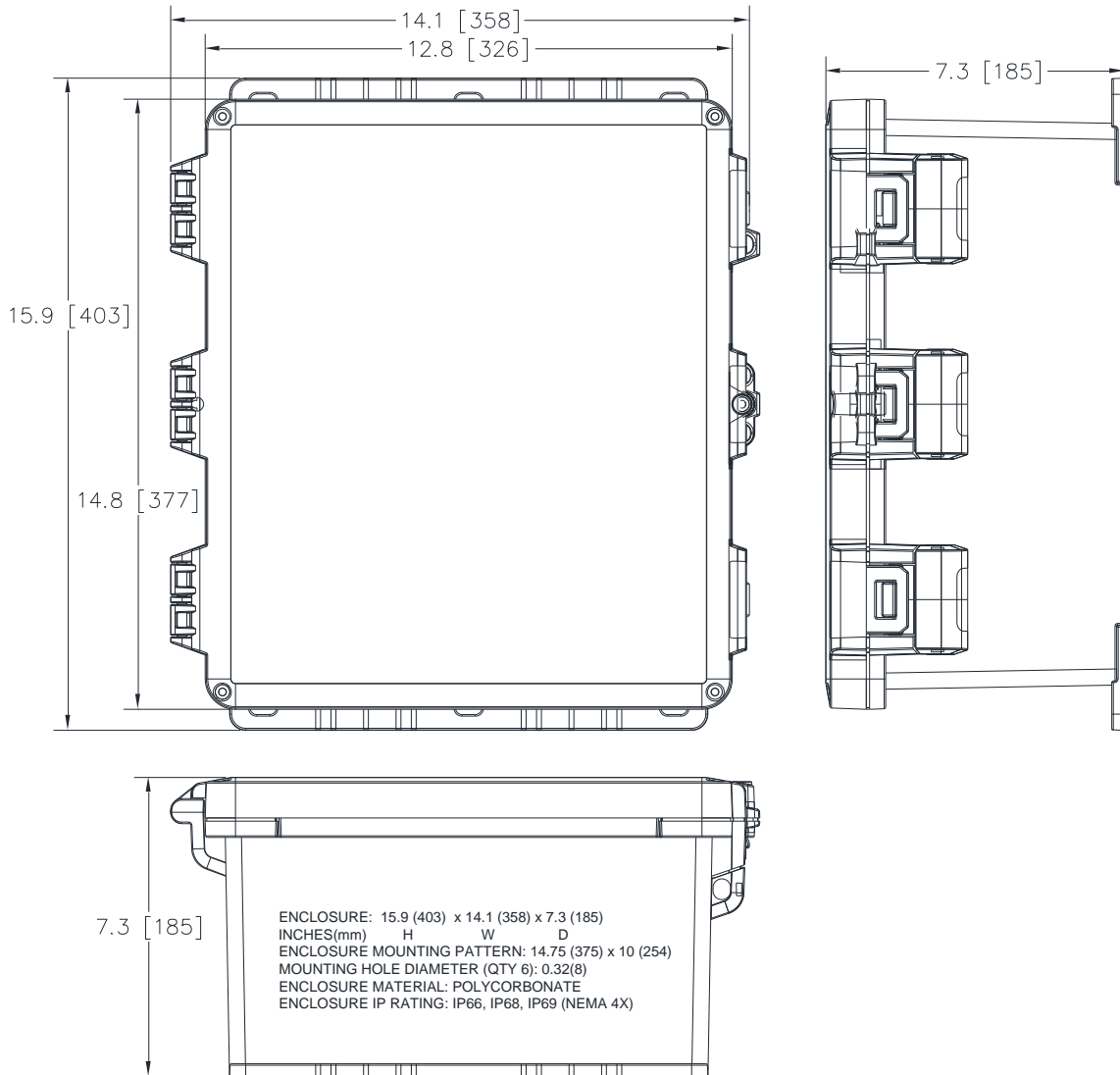
The controller shall be programmable in the field for use for all FAA tower types. There shall be an LCD display module inside the door that allows scrolling through the system status and alarms. The system shall automatically revert back to the normal PPC operation after 30 minutes if the override is 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's 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 & system run-time from date of installation shall be recorded and viewable on the LCD screen.

The PL11248 handheld programmer & diagnostic tool (one per site; purchased separately) will allow for identification of the specific cause of an alarm including flasher failure, beacon alarm, side light alarm or over-temperature.

POC-69001-AC-A ENCLOSURE



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