

BATTERY BACKUP SYSTEM BBS2 FOR POL LED OBSTRUCTION LIGHTS

Compliances: ETL Listed POL to UL 1598A Marine Vessels at -40 deg C to +55 deg C
 ETL Listed POL to CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 ETL Verified FAA L-810 to FAA AC 150/5345-43H at -55 deg C to +55 deg C
 Registered ISO 9001: 2015
 Compliance to ICAO Annex 14 Low Intensity Types A (10 cd) & B (32 cd)

The Battery Backup System (BBS) consists of one or more POL-22001 or POL-21005 red LED aviation obstruction lights and the BBS battery & control unit. The PPC-40003 photoelectric controller provides automatic activation at dusk in accordance with FAA specifications.

The BBS is connected to normal AC commercial power. Upon loss of the AC power, the BBS switches to battery power for up to one night of unattended operation. The battery stays fully charged automatically under normal AC power. The battery is not depleted during normal AC power as the BBS uses an inverter. The BBS operating time is based on the number of operating 12V DC heads.

All POL lights are standard with the exclusive yellow Point Lighting Marine Treatment finish that is bonded to the metal and far exceeds the corrosion resistance of the standard FAA approved finish.

Select the 12V DC obstruction light & quantity:

POL-22001 Series	See file OL189POL	For basic DC singles & doubles
POL-21005 Series	See file OL19POLv5	For alarm, transfer & other options

Select the BBS unit & FAA photoelectric control:

BBS-60502-AC	AC Battery Backup & Control Unit *
PPC-40003-34T	DC FAA Photoelectric Control *

* The BBS accepts the available AC power. The PPC is required.

POL-22001-3F-R-34B-S
Emits red when ON



POL-21005-3F-R-34B-D
Two operating heads



Number of POL Lights	Approximate Operating Time
1 to 3	All Night
4 to 7	> 6 hours
7 to 9	> 4 hours

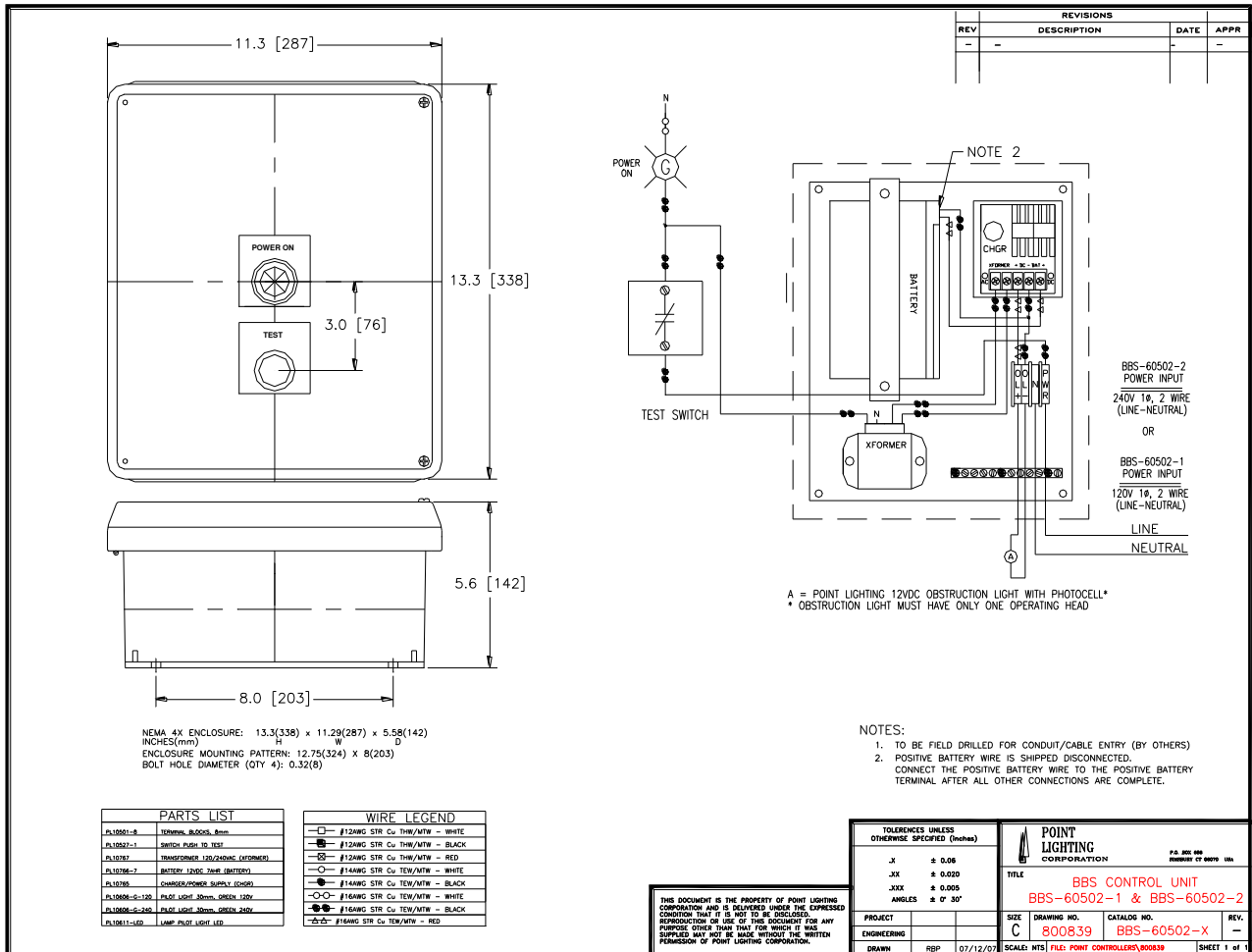


Minimum Wire Size Chart (AWG)

Circuit Run Length	Operating Heads								
	1	2	3	4	5	6	7	8	9
100-ft wire size:	16	16	16	16	14	14	14	14	12
200-ft wire size:	16	16	14	14	12	12	10	10	10

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TYPICAL WIRING DIAGRAM OF BBS2 CONTROL UNIT



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