

# WHELEN<sup>®</sup>

ENGINEERING COMPANY INC.

51 Winthrop Road  
 Chester, Connecticut 06412-0684  
 Phone: (860) 526-9504  
 Fax: (860) 526-2009  
 Internet: [www.whelen.com](http://www.whelen.com)  
 Sales/Service e-mail: [aviation@whelen.com](mailto:aviation@whelen.com)

## Installation Guide: Aviation model 7123403, 7123406 P/N 01-0771234-03, 01-0771234-06 Flasher/Current Source



TSO-C30c  
 TYPES I, II & III /  
 TSO-C96a  
 CLASS II  
 APPROVED



The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in aircraft. The article may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements.

### SPECIFICATIONS:

Nominal Operational Voltage:	28 VDC
Current Source Input Current:	
LED Forward Position Light	0.25 Amps
LED Anti-Collision Light (Peak@.25 Sec.)	2.8 Amps
LED Anti-Collision Light (Avg.)	0.53 Amps
LED Ground Recognition Light (Peak@.25 Sec.)	0.7 Amps
LED Ground Recognition Light (Avg.)	0.13 Amps
Anti-Collision/Ground Recognition Flashrate	45 ±5 Per. Min.

### EQUIPMENT LIMITATIONS:

An approved Anti-Collision / Position Light System consists of at least 2 flasher/current source units, each connected to a LED anti-collision and position light lighthouse.

Certain types of installations may require additional testing.

### CONTINUED AIRWORTHINESS:

If any bank of LEDs fail, both the lighthouse module 71170( ) and the flasher should be replaced.

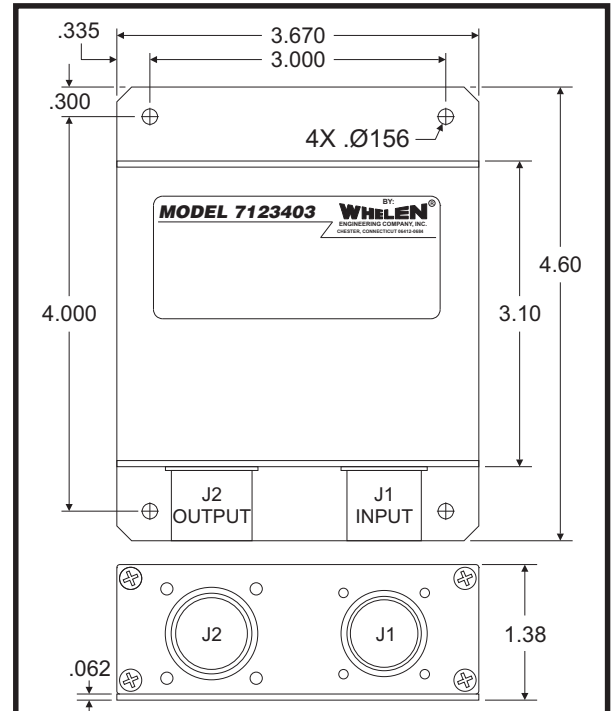
Note: To reduce eye strain, use an optical filter such as dark glasses or a blue covering dome during LED inspection.

Note: An anti-collision light will automatically shut-off after 9-10 flashes if a failure is detected.

### INSTALLATION PROCEDURES:

1. Consider areas or locations designated by the aircraft manufacturer. Check that breakers are properly rated.
2. Attach the flasher using the (4) 0.156 dia. mounting holes.
3. Connect the inputs according to the chart shown. Connections to be in accordance with FAA approved methods.
4. Check all avionic systems for interference from the installation
5. A flight check should be performed by a certified pilot
6. Update aircraft records, complete form 337 and obtain FAA field approval for installation, as necessary

Note: SYNC is a low-powered, bi-directional control signal. Connecting to the synchronize signal of any Whelen LED anti-collision assembly will cause the lights to flash at the same time. If synchronization is not necessary, the connection may be left open.



**Model:7123403**

J1 D38999 / 20FB5PN	
A	+28V Anti-Collision Light
B	Ground
C	SYNC
D	+28V Position Light
E	+28V Ground Recognition Light

**Model:7123406**

J1 MS27508E10F5P	
A	+28V Anti-Collision Light
B	Ground
C	SYNC (see note)
D	+28V Position Light
E	N/C

**J2 D83999 / 20FC98SN**

A	LED1	Anti-Collision Light
B	V+	Anti-Collision Light
C	LED2	Anti-Collision Light
D	LED3	Anti-Collision Light
E	V+	Anti-Collision Light
F	LED4	Anti-Collision Light
G	Anode	Forward Position Light
H	Cathode	Forward Position Light
J	Cathode	Ground Recognition Light
K	Anode	Ground Recognition Light

**J2 MS27508E10F99S**

A	LED1	Anti-Collision Light
B	V+	Anti-Collision Light
C	LED2	Anti-Collision Light
D	LED3	Anti-Collision Light
E	LED4	Anti-Collision Light
F	Anode	Forward Position Light
G	Cathode	Forward Position Light

**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**