

WHELEN[®]

ENGINEERING COMPANY INC.

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

Installation Guide: Aviation model 7145751 P/N 01-0771457-51 Flasher/Current Source



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



SPECIFICATIONS:

Nominal Operational Voltage:..... 28 VDC
 (Operation from 22-32 VDC)
 Input Current (with 905695() Lighthead):
 LED Position Light 0.23 Amps
 LED Anti-Collision Light (Pulse@.25 Sec.) 3.9 Amps
 LED Anti-Collision Light (Avg.) 0.73 Amps
 LED I.R. Light (Pulse@.25 Sec.) 0.3 Amps
 LED I.R. Light (Avg.) 0.06 Amps
 Flashrate 45 ±5 Per. Min.

EQUIPMENT LIMITATIONS:

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

Note: Due to circuitry relationship, the anti-collision and I.R. lights cannot both be on at the same time.

The Infrared Light is a non-TSO function.

Certain types of installations may require additional testing.

CONTINUED AIRWORTHINESS:

If any bank of LEDs fail, the lighthead module should be checked. If the module checks good, replace the flasher.

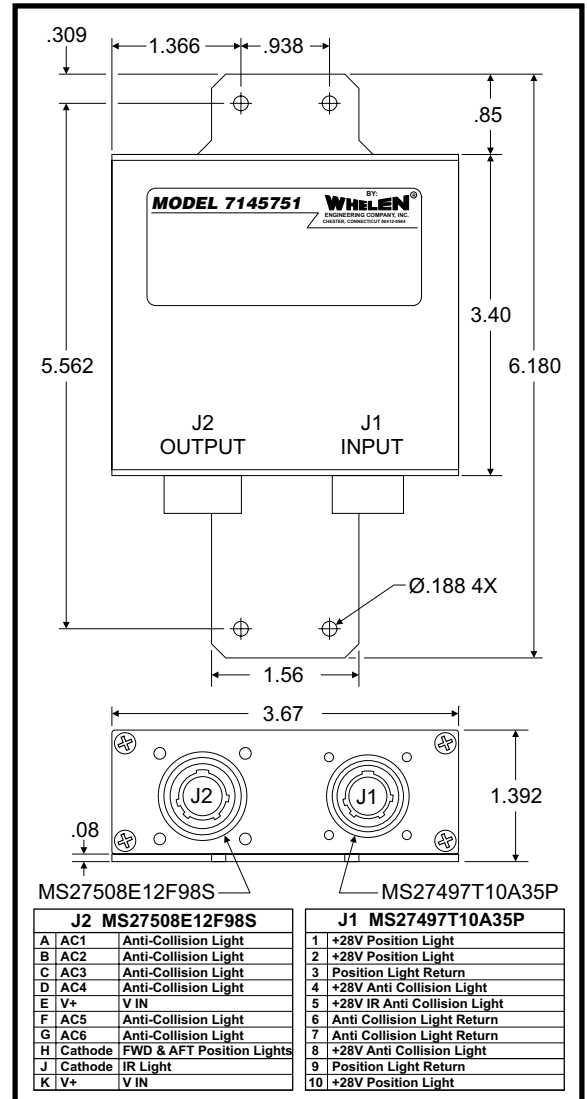
Note: To reduce eye strain, use an optical filter such as dark glasses or a blue covering dome during LED inspection.

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) 0.188 dia. mounting holes.
3. Connect the inputs according to the chart shown. Connect the cable from the lighthead to the flasher. 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.

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.



For warranty information regarding this product, visit www.whelen.com/warranty