

WHELEN[®]

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Installation Guide: Aviation model 7145750 P/N 01-0771457-50 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
 (Operation from 22-32 VDC)
 Input Current (with 905695x 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.

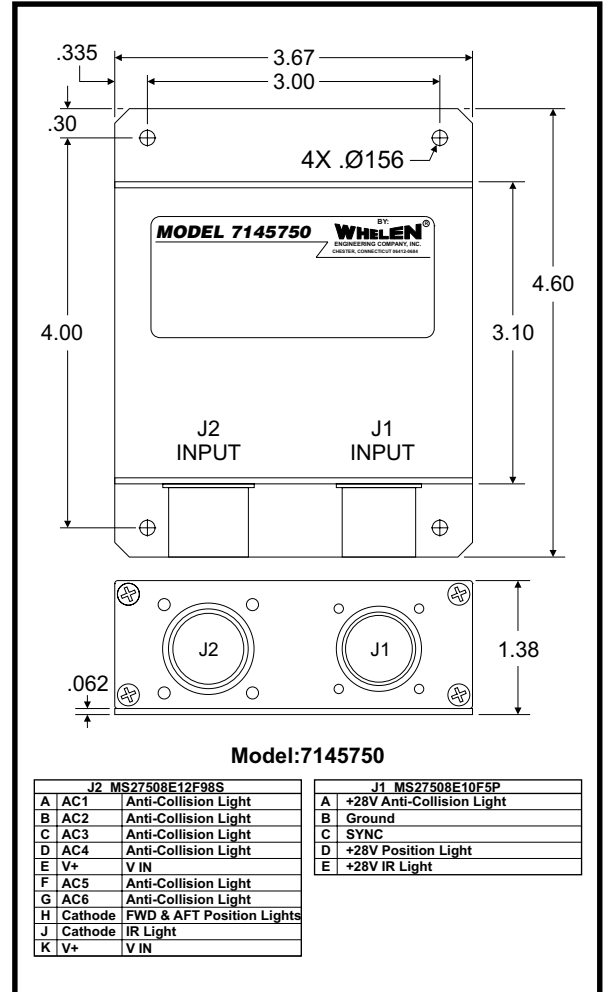
CONTINUED AIRWORTHINESS:

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

Note: 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



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