



WHELEN AEROSPACE TECHNOLOGIES

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**Installation Guide/ICA:
 Aviation model 9045600
 P/N 01-0790456-00
 Flasher/Current Source**

TSO-C30c TYPE I & II APPROVED
 TSO-C96a CLASS II APPROVED

The conditions and tests required for TSO approval of this article are minimum performance standards. Those installing this article either on or within a specific type or class of aircraft must determine that the aircraft installation conditions are within the TSO standards which include any accepted integrated non-TSO functions. TSO articles and any accepted integrated non-TSO function(s) must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirements.

SPECIFICATIONS:

- Nominal Operational Voltage:..... 28 VDC
 (Operation from 24-32 VDC)
- Input Current (with 90453() Lighthouse):
 - LED Position Light 0.25 Amps
 - LED Anti-Collision Light (Avg.) 0.6 Amps
 - LED Anti-Collision Light (Pulse@.25 Sec.)..... 3.0 Amps
- Flashrate..... 45 ±5 Per. Min.

EQUIPMENT LIMITATIONS: An approved forward lighting system consists of at least two flasher/current sources, each connected to a LED position/anti-collision lighthouse such as model 90453().

The maximum length of the interface cable between the light assembly and the flasher/current source is 20 feet using 20 AWG wire.

Certain types of installations may require additional testing.

AIRWORTHINESS LIMITATIONS: The Airworthiness Limitations section is FAA approved and specifies inspections and other maintenance required under §43.16 and §91.403 of the Federal Aviation Regulations, unless an alternative program has been approved.

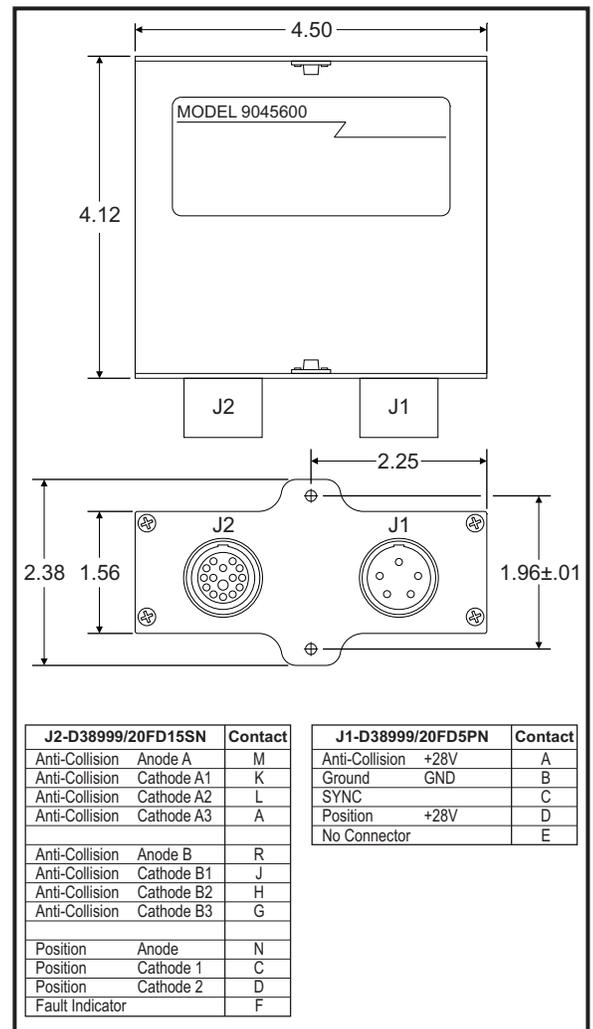
No airworthiness limitations are associated with the installation of this assembly.

CONTINUED AIRWORTHINESS: If any one bank of LEDs fail, the lighthouse module should be checked. If the module checks good, replace the flasher.

Note: The system has an internal diagnostic circuit to detect failures. After 20-25 seconds if a failure is detected the amber fault light will illuminate.

INSTALLATION PROCEDURES: The following information is to assist you in installing a Whelen light system. the installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installations.

1. Consider areas or locations designated by the aircraft manufacturer. Check that breakers are properly rated.
2. Using appropriate hardware. install the flasher assembly using the 4 self-locking anchor nuts.
3. Connect the inputs according to the chart shown. Connections to be in accordance with FAA approved methods. Insure that all leads are clear of any obstructions and ty-wrap as required.
4. Check all avionic systems for interference from the installation.
5. A flight check should be performed by a certified pilot.
6. If required, update aircraft records utilizing FAA Field Approval (Form 337) or equivalent.



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