

WHELEN[®]

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



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



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.

CONTINUED AIRWORTHINESS:

If any one bank of LEDs in the lighthouse module should be
 checked. If the module checks good, replace the flasher.

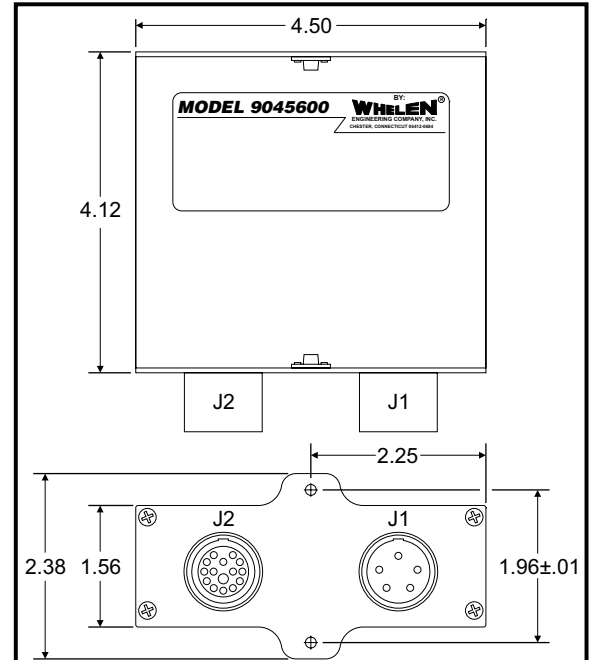
Note: The system has an internal diagnostic circuit to detect failures.
 After 20-25 seconds if a failure is detected the amber fault light will
 illuminate.

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. 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.



J2-D38999/20FD15SN		Contact
Anti-Collision	Anode A	M
Anti-Collision	Cathode A1	K
Anti-Collision	Cathode A2	L
Anti-Collision	Cathode A3	A
Anti-Collision	Anode B	R
Anti-Collision	Cathode B1	J
Anti-Collision	Cathode B2	H
Anti-Collision	Cathode B3	G
Position	Anode	N
Position	Cathode 1	C
Position	Cathode 2	D
Fault Indicator		F

J1-D38999/20FD5PN		Contact
Anti-Collision	+28V	A
Ground	GND	B
		C
Position	+28V	D
No Connector		E

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