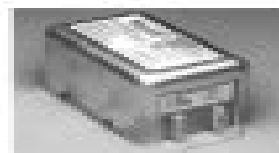


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**Installation Guide:
Model A490ATSC
P/N 01-0770062-03
Strobe Power Supply
(FAA/PMA Approved)**

Specifications:

Position Lights -

Current Draw.....	4.0 Amps @ 14 Volts D.C.
	2.0 Amps @ 28 Volts D.C.
Weight.....	1.7 lbs.
Length.....	5.00"
Width.....	3.12"
Height.....	3.00"

INSTALLATION PROCEDURES...

Mounting Location

1. Consider areas or locations designated by the aircraft manufacturer. Do not mount the strobe power supply closer than three (3) feet of the ADF loop.
2. For alternate locations, consider areas such as the cabin baggage compartment, the floor under the seat, non-structural bulkheads, firewalls, etc.
3. If necessary, fabricate support brackets or shelves, and attach them to the aircraft structure to provide a mounting surface that will withstand the inertia forces stipulated in chapters 1 & 3 of AC 43.13-2A.
4. An "M" or other representative of the FAA must approve documentation of structural integrity of the fabricated installation.
5. When installing the strobe light power supply in an inverted position, drill a 3/16" diameter hole in the lowest corner of the cover to provide for moisture drainage. Care must be taken not to let the drill protrude into the power supply, for it will inflict damage to the electronic components.
6. Specifically call out the location of the strobe light power supply of PMA form 30P.



Operation:

This power supply will operate ONE strobe light head assembly at 34 jolts of power. It is equipped to flash up to five (5) other like units simultaneously when an 18 gage wire is connected to outlet 3 on the input power connector.

Wiring Instructions

WARNING! STROBE LIGHT POWER SUPPLIES ARE POLARITY SENSITIVE. REVERSING THE INPUT POLARITY WILL CAUSE SEVERE DAMAGE TO THE POWER SUPPLY!

Steps below: "Ref. AC 43.13-18, Chapter 11, Sections 1, 2, 3 & 7".

1. Choosing wire size of Air input feed, refer to Paragraph 4.44 "Electric Wire Chart" Figure 11.7 & 11.7A, with reference to "Strobe Light Model Current" requirement chart on page 6 & 11; and "Wire and Circuit Protection Chart" Figure 11.1.
2. Shielded wire is not generally necessary, but has proven effective in reducing the possibility of radio interference.
3. The power supply shall acquire its power from a low impedance source such as the alternator or generator and of the electrical bus as close to the battery as possible.
4. For penetrating pressure hull, refer to the aircraft service manual.
5. Check all avionics systems for interference.

Looking at the power supply connectors with the mounting plate flat on a bench, the left connector is the strobe output. The right connector is the power input and synchronization.

Left Connector (Power Output)

- Pin 1, (Top) - RED wire/anode
- Pin 2, (Center) - BLACK wire/cathode
- Pin 3, (Bottom) - WHITE wire/trigger

Right Connector (Power Input)

- Pin 1, (Top) - RED wire/13 to 30 volt, positive input
- Pin 2, (Center) - BLACK wire/ground
- Pin 3, (Bottom) - Synchronization pin/synchronization is desired, connect an 18 gage wire between pin 3 on each power supply.

Aviation

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Table of Contents Engineering Company Inc Installation Guide 2ford

1. Understanding the eBook Engineering Company Inc Installation Guide 2ford
 - The Rise of Digital Reading Engineering Company Inc Installation Guide 2ford
 - Advantages of eBooks Over Traditional Books
2. Identifying Engineering Company Inc Installation Guide 2ford
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Engineering Company Inc Installation Guide 2ford
 - User-Friendly Interface
4. Exploring eBook Recommendations from Engineering Company Inc Installation Guide 2ford
 - Personalized Recommendations
 - Engineering Company Inc Installation Guide 2ford User Reviews and Ratings
 - Engineering Company Inc Installation Guide 2ford and Bestseller Lists
5. Accessing Engineering Company Inc Installation Guide 2ford Free and Paid eBooks
 - Engineering Company Inc Installation Guide 2ford Public Domain eBooks
 - Engineering Company Inc Installation Guide 2ford eBook Subscription Services
 - Engineering Company Inc Installation Guide 2ford Budget-Friendly Options
6. Navigating Engineering Company Inc Installation Guide 2ford eBook Formats
 - ePub, PDF, MOBI, and More
 - Engineering Company Inc Installation Guide 2ford Compatibility with Devices
 - Engineering Company Inc Installation Guide 2ford Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Engineering Company Inc Installation Guide 2ford
 - Highlighting and Note-Taking Engineering Company Inc Installation Guide 2ford
 - Interactive Elements Engineering Company Inc Installation Guide 2ford

8. Staying Engaged with Engineering Company Inc Installation Guide 2ford
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Engineering Company Inc Installation Guide 2ford
9. Balancing eBooks and Physical Books Engineering Company Inc Installation Guide 2ford
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Engineering Company Inc Installation Guide 2ford
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Engineering Company Inc Installation Guide 2ford
 - Setting Reading Goals Engineering Company Inc Installation Guide 2ford
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Engineering Company Inc Installation Guide 2ford
 - Fact-Checking eBook Content of Engineering Company Inc Installation Guide 2ford
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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