

# WHELEN®

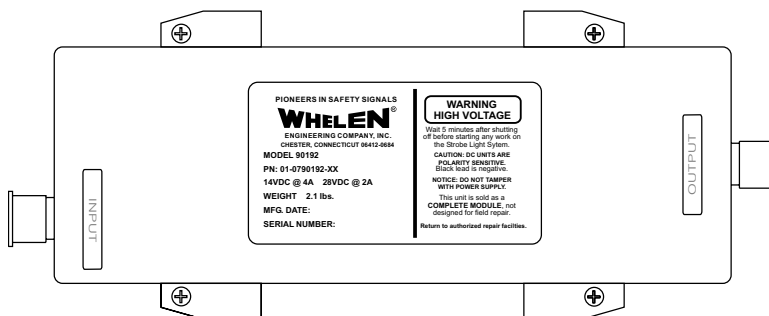
ENGINEERING COMPANY INC.

Route 145, Winthrop Road,  
Chester, Connecticut 06412  
Phone: (860) 526-9504  
Fax: (860) 526-2009  
Internet: [www.whelen.com](http://www.whelen.com)  
Sales/Service e-mail: [aviation@whelen.com](mailto:aviation@whelen.com)

## Installation Guide Model 90192 - ( ) Strobe Anti-collision Power Supply



**TSO-C96a  
APPROVED**



### 90192-( ) STROBE ANTI-COLLISION POWER SUPPLY ASSEMBLY OPERATING INSTRUCTIONS.

**Nominal Operational Voltage:** 14 VOLTS / 28 VOLTS

**Average Input Current:** 4 AMPS / 2 AMPS

**Output Voltage:** 550V Nominal

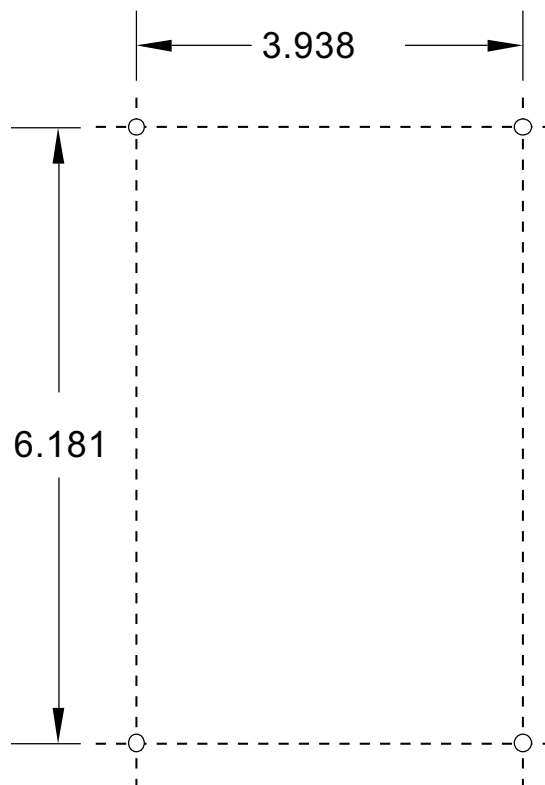
**EQUIPMENT LIMITATIONS:** Recommended minimum wire size is 20 AWG and is installation dependant to meet FAR requirements for light output. Avoid moisture, salt or dust environment.

**INSTALLATION PROCEDURES:** The following information is to assist you in installing a Whelen anti-collision light power supply. Install in accordance with AC 43.13-1A and 2A.

1. Choose the appropriate Model 90192-( ) replacement power supply which is applicable to your aircraft.
2. The installation procedure described in the following text will be confined to a "single light" power supply, but is identical for multiple power supply installation if required.
3. Remove old power supply, locate and save existing +14 VDC or +28 VDC lead and (-) ground leads. Clean and prep lead ends as required.
4. Use existing mounting holes and hardware.

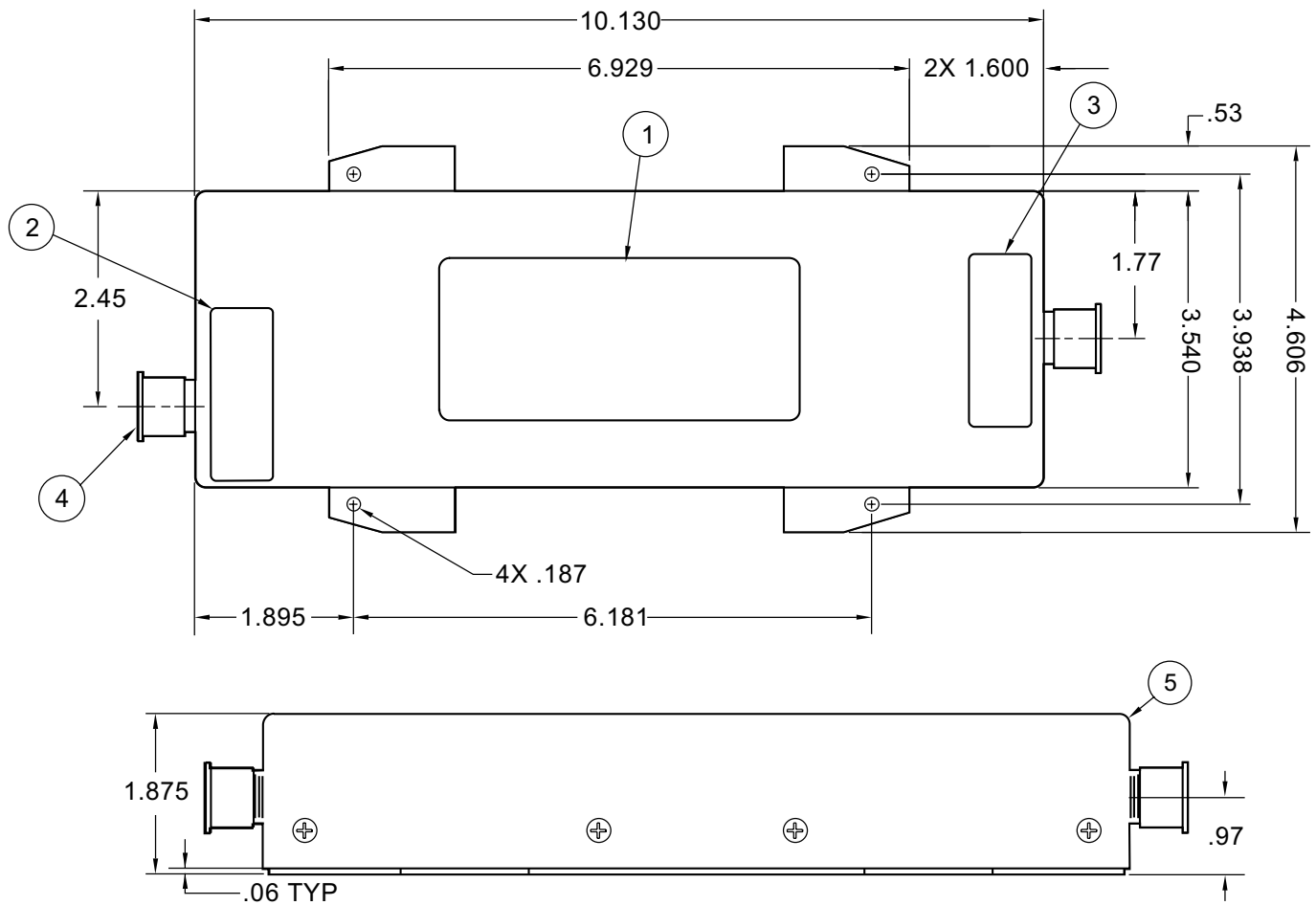
**NOTE:** If a special mounting adapter plate is required, contact Whelen Aviation Division for requirements.

5. Connect existing +14 VDC or +28 VDC lead to the POSITIVE (+) lead on the power supply assembly and connect existing (-) ground lead to the NEGATIVE (-) lead on the power supply assembly. Both leads must be connected by an approved aircraft connection.
6. Make sure existing system is equipped with an appropriate sized breaker.
7. Check all avionics systems for interference from this installation.
8. A flight check should be performed by a properly certified pilot.
9. Update aircraft records and complete Form 337.
10. Obtain FAA field approval for installation.



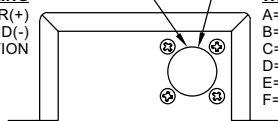
SUGGESTED MOUNTING PLAN

**Aviation**



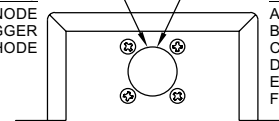
MODEL 90192 - ( ) REPLACEMENT PARTS			
ITEM	DESCRIPTION	PART NUMBER	USED ON
1	MANUFACTURING LABEL	10-0530751-02	-00
2	LABEL, INPUT	10-0330753-02	-00
3	LABEL, OUTPUT	10-0330774-02	-00
4	CAP, PLUG	22-0430469-00	ALL
5	POWER SUPPLY MODEL# YQL14 / 28Q4516-1VA	01-0268151-00	-00
1	MANUFACTURING LABEL	10-0530778-02	-01
2	LABEL, INPUT	10-0330779-02	-01
3	LABEL, OUTPUT	10-0330780-02	-01
4	CAP, PLUG	22-0430469-00	ALL
5	POWER SUPPLY MODEL# YRL14 / 28Q4516-1VA	01-0268187-00	-01

**01--0790192-00 (3-PIN)**  
 ●MS3102R10SL-3P  
 CONN. (REF) OR EQUIVALENT  
 ●MS3106E10SL-3S  
 MATING CONN. (REF)  
**WIRING**  
 A=POWER(+)  
 B=GROUND(-)  
 C=SYNCHRONIZATION



**01--0790192-01 (6-PIN)**  
 ●MS3112E10-6P CONN. (REF)  
 OR EQUIVALENT  
 ●MS3116F10-6S  
 MATING CONN. (REF)  
**WIRING**  
 A=28VDC(+) STROBE LIGHT  
 B=GROUND(-) STROBE LIGHT  
 C=SYNCHRONIZATION  
 D=28VDC(+) POSITION LIGHT  
 E=  
 F=GROUND(-) POSITION LIGHT

**01--0790192-00 (3-PIN)**  
 ●MS3102R10SL-3S  
 CONN. (REF) OR EQUIVALENT  
 ●MS3106E10SL-3P  
 MATING CONN. (REF)  
**WIRING**  
 A=ANODE  
 B=TRIGGER  
 C=CATHODE



**01--0790192-01 (6-PIN)**  
 ●MS3112E10-6S  
 CONN. (REF) OR EQUIVALENT  
 ●MS3116F10-6P  
 MATING CONN. (REF)  
**WIRING**  
 A=(ANODE) STROBE LIGHT  
 B=(TRIGGER) STROBE LIGHT  
 C=28VDC(+) POSITION LIGHT  
 D=(CATHODE) STROBE LIGHT  
 E=  
 F=GROUND(-) POSITION LIGHT