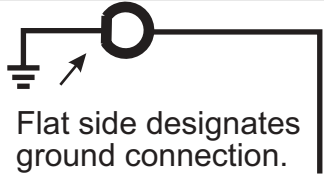


LED ON - battery charging  
 LED OFF - battery fully charged OR no aircraft power connected!

**CAUTION: Verify LED is briefly ON when alternator turns on at start of flight.**



Flat side designates ground connection.

Connect to LED - OR - EIS Auxiliary Input

EIS Auxiliary Input

Set Aux SF=42, Aux Off = 0, Forward Sensing. EIS will show 0-100% rate of charge.

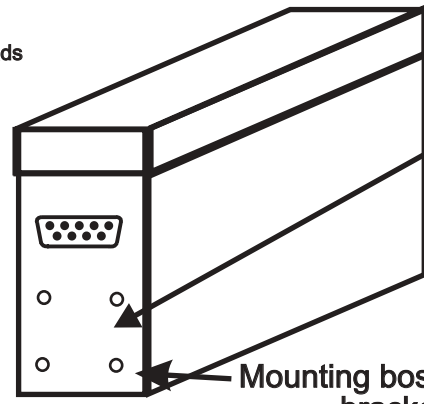
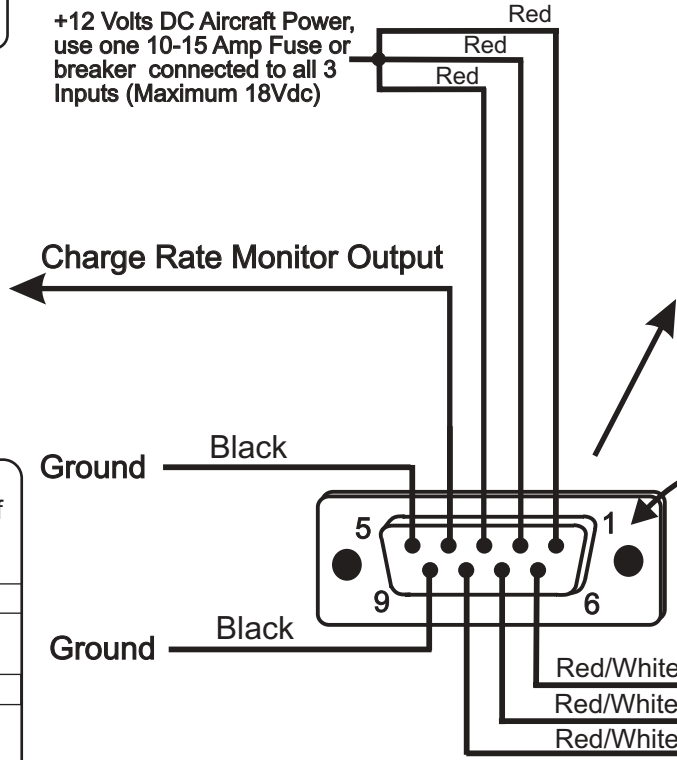
Charge Rate	Meaning
40-100%	Battery Charging-Not fully charged.
5-40%	Battery fully charged
0-5%	Caution: No aircraft power. Battery condition unknown

**Notes:**

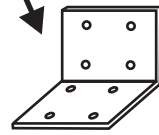
1. Inline fuse required on output.
2. Power passes through the battery box, and charges the battery, when aircraft power in is available.
3. Test battery before each flight by verifying power output when aircraft power is not provided.
4. Battery is 2.2 Amp/Hour sealed lead-acid battery, and is FAA approved. Full capacity is available only when battery is fully charged.
5. Battery life is extended and full capacity is available when the battery is not exposed to high temperatures.
6. Battery will be discharged whenever no aircraft power is provided to the battery, and loads are connected to the output.
7. Use the charge rate monitor output to confirm battery is fully charged.
8. The charge rate monitor output is scaled such that 5V represents 250 mA charge rate into the battery. If desired, the EIS aux input can be scaled with a scale factor=125, offset = 0, to show charge rate in mA.

Direct wiring (no switch is recommended) for this connection, as opening this connection will result in discharging the battery through the loads connected to its output.

+12 Volts DC Aircraft Power, use one 10-15 Amp Fuse or breaker connected to all 3 inputs (Maximum 18Vdc)



"L" brackets may be installed in any orientation



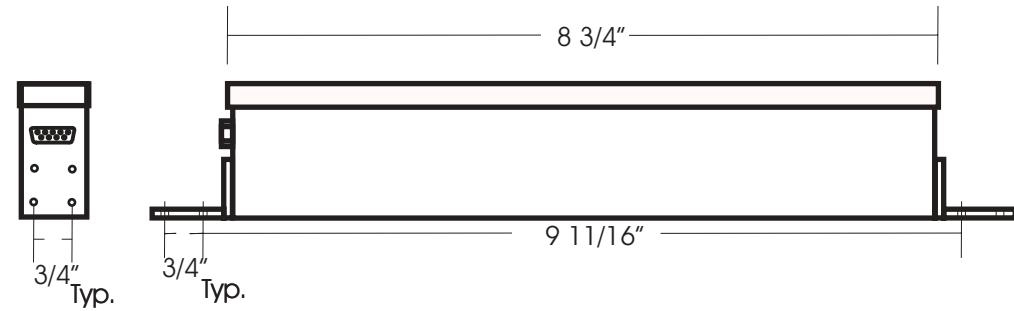
Mounting bosses. Attach supplied "L" bracket to these holes.  
**CAUTION: Max screw length = 1/4"**

Pin numbering on connector housing. Shown from the rear of the male d-sub connector that mates with the battery box.

Backup Battery Bus Master Switch (not supplied).

+12 Volts DC Battery-Backed Up Power Out - Max 10 amps 1 min on/ 1 min off 7 amps continuous total for all 3 outputs

15 Amp Fuse Required (remove fuse until wiring completed)



## Power-Safe Back-up Battery with Monitor Output

GRT Avionics, Inc.