

ROUTE 145, WINTHROP ROAD
CHESTER, CONNECTICUT 06412-0684
TELEPHONE: (860) 526-9504
FAX: (860) 526-4078

Selecting a Mounting Location:

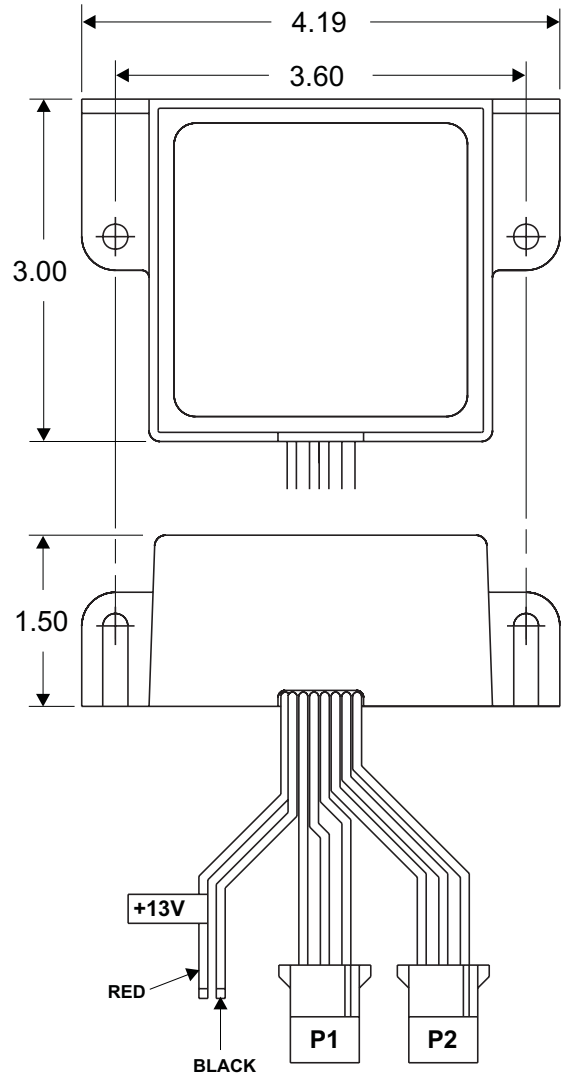
The most common choice for a mounting area would be a trunk or similar compartment. However, due to the wide variety of vehicles onto which the power supply could be installed, this is not always possible. The following guidelines will help the installer select an acceptable alternative:

- A) The power supply should be mounted on a metal surface to aid heat dissipation. Be sure that this surface is not one that either generates or is exposed to excessive heat during normal operation of the vehicle.
- B) Do not select a location where the unit will be exposed to potential damage from any unsecured or loose equipment in the vehicle.
- C) Be sure the area selected will not allow the unit to be exposed to water!
- D) When routing the power supply's wires, it is important to choose a path that will keep these wires away from excessive heat and from any vehicle equipment that could compromise the integrity of the wires (ex. trunk lids, door jams, etc.).
- E) When the best mounting location has been determined, securely fasten the unit to its mounting surface using #8 sheet metal screws.

Mounting Procedure:

CAUTION: As it will be necessary to drill holes into the mounting surface, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins!

1. Position the unit in its proposed mounting location to ensure that it fits properly. With the unit in place, insert an awl or other suitable tool into the mounting screw area of the power supply and scribe the areas that are to be drilled.
2. Remove the unit from its mounting area and, using an appropriately sized drill, drill a hole in each of the areas scribed in the previous step.
3. Return the power supply to its mounting location and using #8 sheet metal screws, secure the unit to its mounting surface (See Fig. 1).



SPECIFICATIONS

INPUT VOLTAGE — 12.8 VDC \pm 20%
INPUT CURRENT — 2.25 Amps (NOM)
FLASH RATE — 120 CFPM \pm 10%
JOULES — 4 / 2 / 2 / 2 (NOM)

Wiring:

1. Locate the 2 power wires, RED (+) and BLACK (-) exiting the front of the unit. (See *Wiring Diagram*)

WARNING: All customer supplied wires, that connect to the positive (+) terminal of the battery, must be sized to supply at least 125% of the maximum operating current, and fused "at the battery" to carry the load!

2. Connect the RED wire to a fuse block (customer supplied) and then to the POSITIVE terminal on the battery.

NOTE: Although a 5 amp fuse (customer supplied) is required to be used in the fuse block, do not install the fuse until ALL of the wire connections are completed.

3. Connect the BLACK wire to the factory chassis ground adjacent to the battery.

WARNING: The Strobe Light Power Supply is a high voltage device. Do not touch or remove tube assembly in strobe light head assemblies while in operation. Wait 10 minutes after disconnecting the unit from its power source before starting work or troubleshooting on power supply or system.

Selecting a Flash Pattern:

On the bottom of the unit you will see two wire loops (BROWN & WHITE) protruding from the power supply. Flash patterns may be changed by clipping or leaving one or both of the wires. The default setting that the power supply comes in is *Comet-Flash* (120 Flashes Per Minute). You may also select *Action Flash* (4 Comet & 8 Single Flashes) *Single Flash* (460 Single Flashes Per Minute), or *ModuFlash* (Flashrate sweeps between 300 and 625 Flashes Per Minute). Refer to the chart below for functions.

NOTE: If desired, you may also install two switches (one for the brown wire, one for the white wire) to connect and disconnect each of the two wires. This will allow you to switch back and forth between patterns, instead of setting your power supply to only one permanent pattern.

BROWN	WHITE	PATTERN	FLASH RATE
IN	IN	COMET	120 FPM
CUT	IN	ACTION	4 COMET / 8 SINGLE
IN	CUT	SINGLE	460 FPM
CUT	CUT	MODU	300 - 625

