



## 60W 4-Outlet Multi-Flash Strobe Power Supply Model 21.T9460

**IMPORTANT!** This product is not waterproof. It must be mounted to a metal surface in a clean dry area.

### TECHNICAL SPECIFICATIONS

**INPUT VOLTAGE** .....11 TO 30 Vdc  
**INPUT CURRENT** .....5.5A at 12.8V, 2.75A at 25.6V  
**INPUT POWER** .....70.4 Watts  
**OUTPUT POWER** .....60 Watts  
**OUTPUT ENERGY**.....51.5 Joules

### FLASH PATTERNS:

- Quad Flash
- Double Flash
- Quintuple Flash
- Mega Flash

### INSTALLATION

#### 1. Physical Mounting

Mount the power supply in a clean, dry location. Mounting the unit to a flat metal surface will aid in heat dissipation. Use the power supply as a template to mark the hole locations. The mounting holes will accept up to a 1/4" bolt. **Note:** *The power supply baseplate must be connected to chassis ground (GND) to reduce radio interference.*

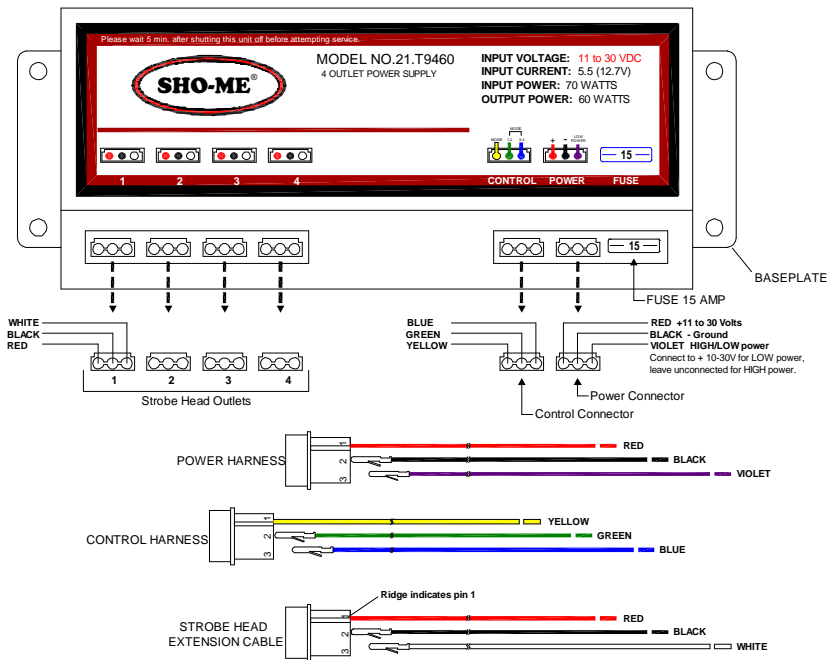
#### 2. Strobe Head Installation

Plug the strobe light heads into the outlets. Keep the following in mind:

- Heads connected to outlets 1 and 3 flash at the same time.
- Heads connected to outlets 2 and 4 flash at the same time.
- Heads connected to 1 and 3 alternate with heads 2 and 4.

The output power divides equally between all strobe heads installed. Example: 60W into 2 heads = 30W per head. Consider this before selecting the number and type of strobe heads to install. Do not exceed the wattage rating of the head.

### CONNECTION DIAGRAMS



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## ELECTRICAL CONNECTIONS

### POWER HARNESS:

- Connect the RED wire to battery positive (+) or a fuse panel circuit rated for at least 15 AMPS.
- Connect the BLACK wire to battery negative (-) or directly to vehicle chassis.

**NOTE:** Use the correct size wire for power connections.

The length of the wires determines the size needed.

- 1 to 10 ft. use 18AWG wire.
- 10 to 20 ft. use 16AWG wire.
- 20 to 35 ft. use 14AWG wire.
- 35 to 50 ft. use 12AWG wire.

- The VIOLET wire controls HIGH/LOW power. LOW power limits the flash intensity for nighttime use. Connect VIOLET to +12 /24V for LOW power, leave VIOLET disconnected for HIGH power.

### CONTROL HARNESS:

- GREEN AND BLUE wires control which strobe head outlets are activated. A wire is 'selected' when connected to +12 /24V.

The GREEN wire turns on outlets 1 & 2.

The BLUE wire turns on outlets 3 & 4.

- YELLOW (if connected to a Momentary +12 /24V switch) changes the flash patterns.

When all 3 control wires are unconnected, the power supply is in a low current SHUTDOWN MODE (current is typically 25ma).

## TROUBLESHOOTING

**Blown Fuse:** The 21.T9460 will blow a fuse if the input voltage is reversed. If this happens, first locate the wiring fault, then replace the fuse with one of the same rating.

**Erratic behavior (and/or) shutdown:** The 21.T9460 will shut down if there is a short circuit condition on any one of the strobe heads. If the electrical conductors connecting the power supply to the strobe heads are exposed to water, a short circuit will result. The first sign is intermittent operation, followed by complete shutdown of the strobe system. To find the short circuit, unplug all strobe head cables from the 21.T9460. Test one cable/head at a time until the problem is found.

**WARNING!** Please wait 5 minutes after shutting this unit off before attempting service.

## WIRING DIAGRAM

