

STROBE POWER SUPPLY

ETN660-P, ETG690-P, ETG6110

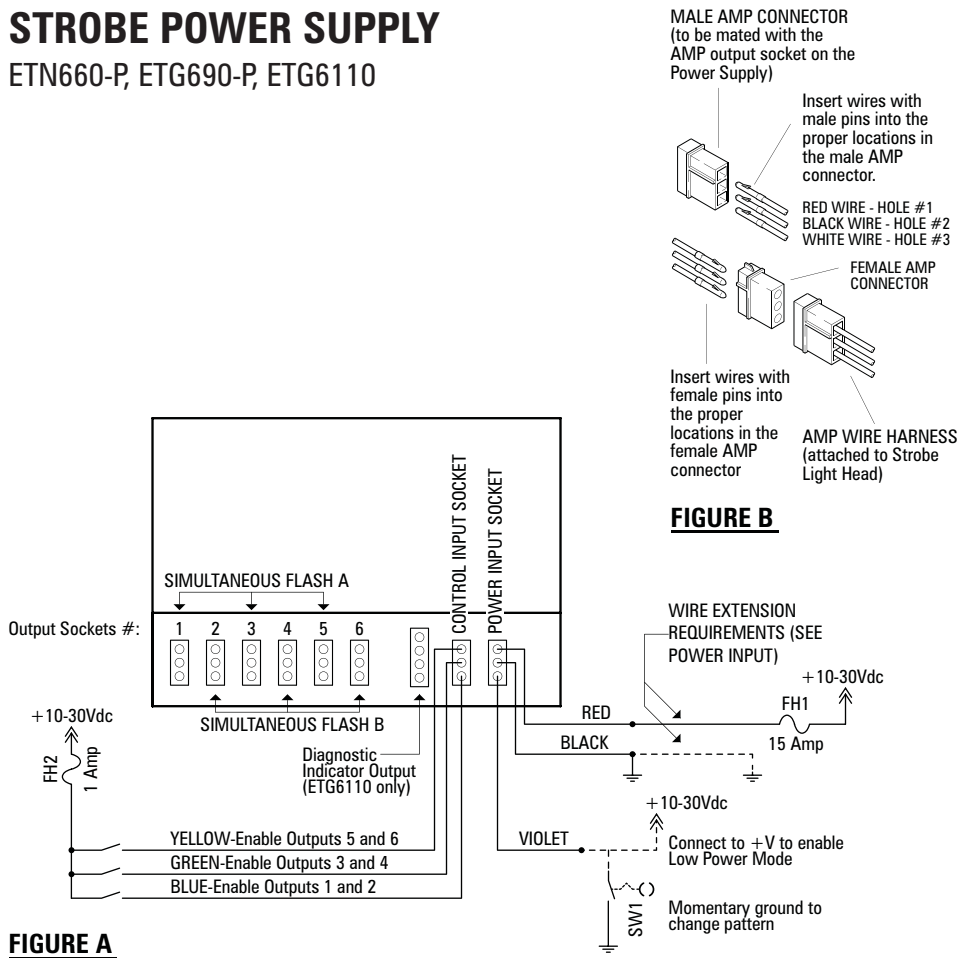


FIGURE B

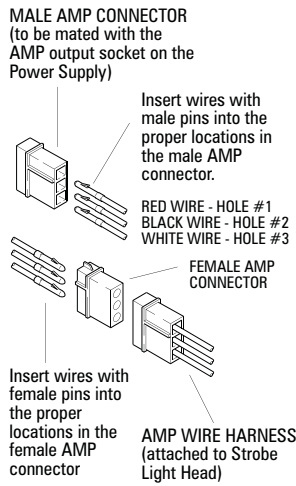


FIGURE A

Important Information:

WARNING

PERSONAL INJURY HAZARD

Mounting this device in an improper location may impair the designed safety characteristics of the vehicle in the event of a collision.

Consult the vehicle manufacturer before installing this or any other after market device to determine its proper mounting location.

Failure to consult and follow the vehicle manufacturer's mounting recommendations may result in serious personal injury or death.

Please see reverse for Technical Specifications

INSTALLATION:

1. Install power supply in a protected location using base as the template.
2. Carefully Route the 3 conductor strobe cable from the lights to the power supply making sure to prevent cable from chafing, binding, and keep away from engine hot spots. Also note the male terminals are toward the power supply and the female terminals are near the lighthead.
3. Insert the terminals on each end of the conductor cables into the Tyco connectors as shown in Figure B. Ensure the correct color code is followed.
4. Connect the cables to the strobe light heads
5. Connect the cables to the power supply output sockets (refer to FIGURE A).
6. To Reduce EMI Emissions, ONE end of the shield (drain) wire of the lighthead extension cables needs to be connected to reliable ground. The other end of the shield wire needs to be taped or cut.

Power Input (See FIGURE A):

1. Plug 3 pin harness (Red, Black, Violet) into the power input socket on power supply.
2. Connect Black wire to reliable ground.
3. Connect Red wire to properly rated wire providing +V to the power supply. Use the chart below as a guideline when selecting the wire gauge:

LENGTH	WIRE GAUGE
1'-10'	16AWG
11'-20'	14AWG
21'-30'	12AWG
31'-40'	10AWG
>40'	Consult Factory

Control Input (See FIGURE A):

1. Plug 3 pin harness (Blue, Green, Yellow) into the control input socket on power supply.
2. Connect Blue, Green, and Yellow wires to switch connected to +V through fuse.
3. Providing +V to blue wire will activate outputs 1 and 2 in alternating flash.
4. Providing +V to Green wire will activate outputs 3 and 4 in alternating flash.
5. Providing +V to Yellow wire will activate outputs 5 and 6 in alternating flash.

Pattern selection

1. Provide +V to the blue, green, and yellow wires.
2. Momentarily connect the Violet wire to ground. The pattern will now change
3. Once required pattern has been selected, either tape the end of the violet wire or connect to a switch which will provide +V when the user wants to operate the power supply in low power mode.

WARNING!

HIGH VOLTAGE! Please wait 5 minutes after removing power before attempting service. No user serviceable parts inside. Warranty void if seal is broken

This power supply is **NOT WATERPROOF**

DO NOT attempt to connect non Gaseous Discharge (ie strobe) lamps into the power supply as this will cause permanent damage to the power supply and / or lighthead.

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STROBE POWER SUPPLY

ETN660-P / ETG690-P / ETG6110

POWER INPUT / CONTROL WIRES	
WIRE COLOR:	CONNECT TO:
BLUE (+ 10-30Vdc)	Activates Heads 1-2
GREEN (+ 10-30Vdc)	Activates Heads 3-4
YELLOW (+ 10-30Vdc)	Activates Heads 5-6
VIOLET (+ 10-30Vdc)	Activates Low Power Mode
VIOLET (MOMENTARY GROUND)	Changes Pattern

TECHNICAL SPECIFICATIONS	
Overall Dimensions:	6.62"H x 4.82"W x 2.65"D
Flash Patterns:	7 flash patterns
Input Voltage Range:	10 - 30 Vdc
Input Current @12Vdc:	6 Amps (ETN660-P)
	9 Amps (ETG690-P)
	11 Amps (ETG6110)
Output Power:	60 Watts (ETN660-P)
	90 Watts (ETG690-P)
	110 Watts (ETG6110)
# of Outputs:	6
Operating Temperature:	-40° to +65° C
Contents:	1 ea. Strobe Power Supply
	1 ea. 3 pin power input harness (Red, Black, Violet)
	1 ea. 3 pin control input harness (Blue, Green, Yellow)
	1 ea. Installation Instructions

FLASH PATTERNS			
PATTERN	TIME-PRIMARY	TIME-SECONDARY	FLASHES / MINUTE
Quad	170mS	85mS	70
Double	170mS	85mS	115
Quint	85mS	85mS	70
Warp	85mS	-	350
Inter-Cycle	85mS	85mS	-
Triple	85mS	85mS	90
Single	-	-	175

FLASH ENERGY						
	ETN660-P		ETG690-P		ETG6110	
PATTERN:	JOULES (PRIMARY)	JOULES (SECONDARY)	JOULES (PRIMARY)	JOULES (SECONDARY)	JOULES (PRIMARY)	JOULES (SECONDARY)
Quad:	10.3	5.1	14	7.6	17	8.4
Double:	10.3	5.1	14	7.6	17	8.4
Quint:	5.1	5.1	7.6	7.6	8.4	8.5?
Warp:	5.1	-	7.6	-	8.4	-
Inter-Cycle	5.1	5.1	7.6	7.6	8.4	8.4
Triple:	10.3	5.1	14	7.6	17	8.4
Single:	10.3	-	14	-	17	-

