

Model 4860GCPE

Ambulance Warning Light Flasher with *Mission Critical Technology*

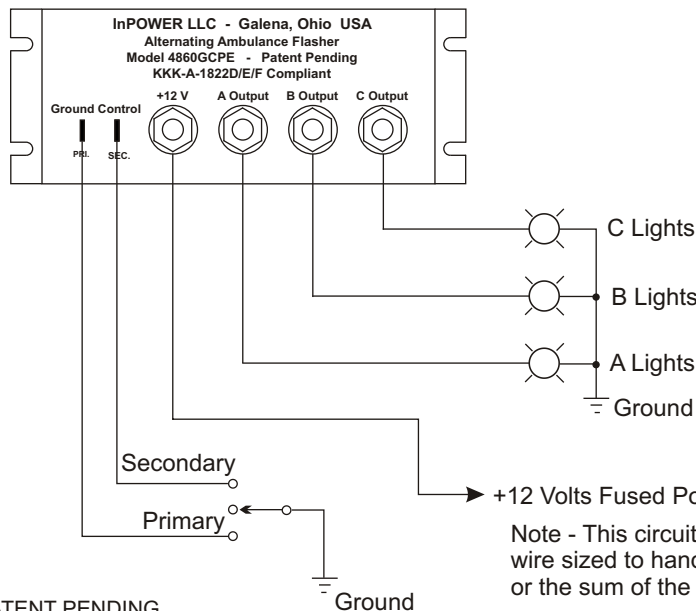
OWNERS MANUAL

A. Introduction

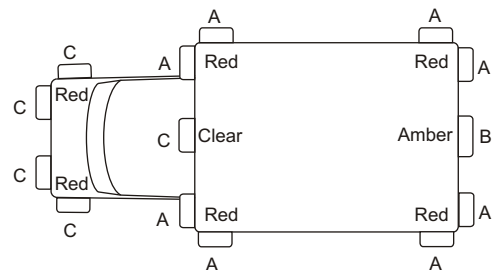
The 4860GCPE is an electronic alternating warning lamp flasher for incandescent, halogen and LED lights. Three lamp outputs (A, B & C) provide +12 volts @ 40 amps each. The design complies with Federal Specification KKK-A-1822D/E/F. Power terminals are 1/4-20 threaded studs. The control terminals are 0.250 inch male Fastons. Control inputs are ground actuated. In Primary Mode lamps A are alternately flashed with the B & C lamps. In Secondary Mode the A lamps are alternately flashed with the B lamps (C lamps off). If both Primary and Secondary inputs are simultaneously grounded the flasher will operate in the Secondary mode. InPower's *Mission Critical Technology* is a feature that allows the flasher to continue operation under extreme operating conditions. When subjected to high ambient temperatures and high lamp loads conventional flashers will simply fail or shut down. InPower's *Mission Critical Technology* provides automatic pulse width correction to reduce power to the lamps, thereby allowing operation under these abnormal conditions. Another key feature is individual lamp output over-current control. If one lamp output shuts down due to a short circuit or over-current condition the other lamp outputs remain operational.

B. Specifications

Operating Voltage Range:	+6.0 to +19.0 volts
Current Rating (Per Output):	
Output A:	40 Amps
Output B:	40 Amps
Output C:	40 Amps
Flash Rate:	75 per minute, 50% duty cycle
Case Operating Temperature Range:	-40° F to +145° F (-40° C to 63° C)
Control Input:	
Connector Type:	0.250 inch faston blade terminal (two male terminals on flasher)
Control Voltage - Primary:	Ground to activate
Control Voltage - Secondary:	Ground to activate
Protection:	Over current, short circuit, and high temperature automatic shutdown
Weight:	0.29 lbs (0.13 kg)
Dimensions:	2.00 x 5.20 x 0.90 inches (50.8 x 132.1 x 22.9 mm)
Power Terminals:	Four (4) 1/4 - 20 threaded studs, with nuts and lock washers.
Terminal Boot Covers:	Optional red vinyl covers for wire size 18 - 10 AWG (Part no. TB12-1).
Mounting Surface:	For optimal performance a metal mounting surface should be provided.



Vehicle Warning Lamp Layout



Operation:
 Primary Mode: Lights A alternately flash with B & C.
 Secondary Mode: Lights A alternately flash with B.

Note - This circuit should be fused and have the wire sized to handle the current draw of the A Lights, or the sum of the B and C Lights, whichever is greater.

PATENT PENDING

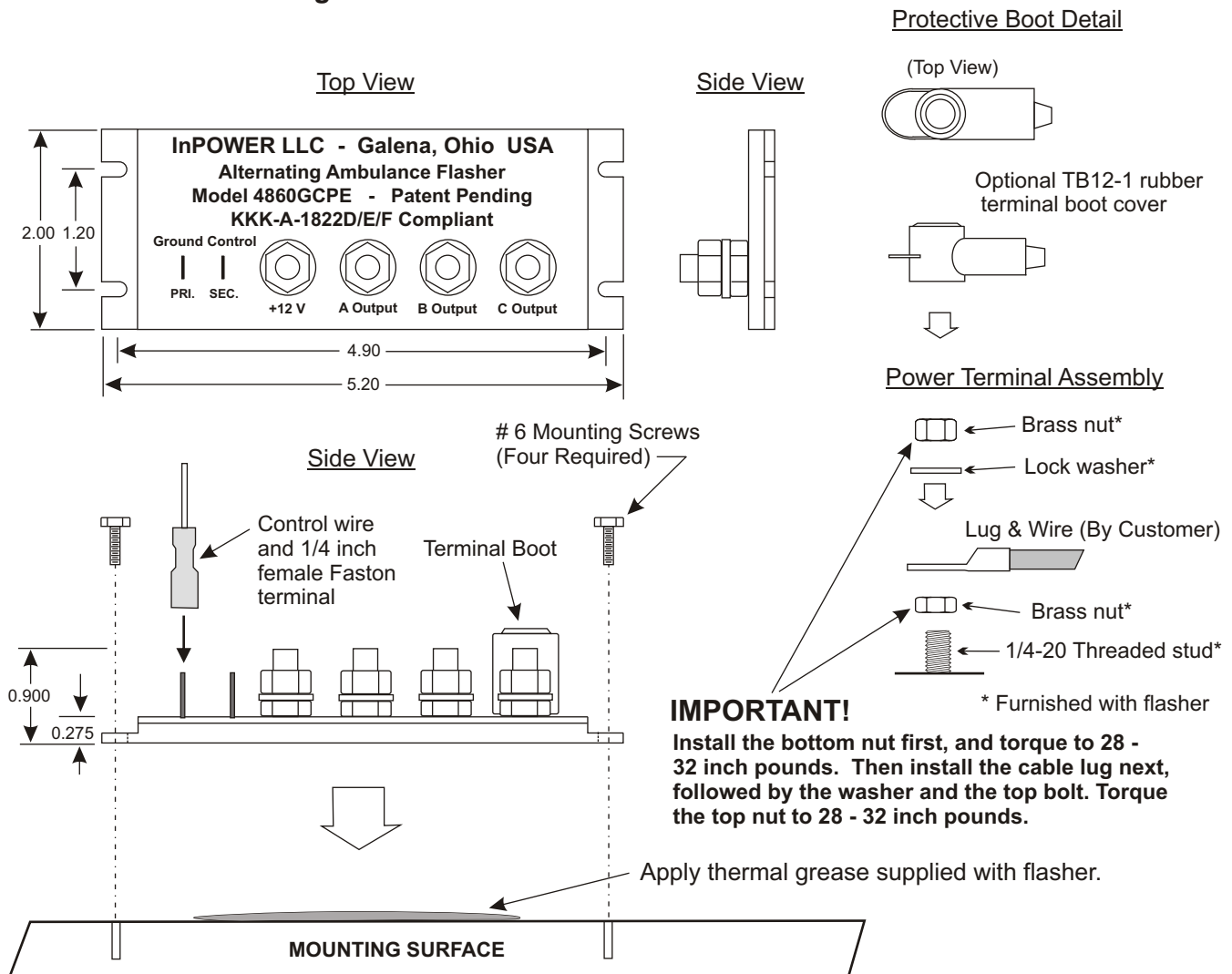
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D. Mechanical Drawing



IMPORTANT NOTE -
 For optimal performance we recommend the flasher be mounted to a metal surface with a layer of thermal grease (supplied with flasher) applied between the flasher and the mounting surface.

All dimensions in inches. Not to scale.

F. Customer Support

Technical Support

For product support, contact InPower at 740-548-0965 or 866-548-0965. Product bulletins and owner's manuals are available on our web site: www.InPowerDirect.com.

Warranty

InPOWER LLC warrants its products to be free from defects in material and workmanship under normal use, care and maintenance for a period of two (2) years from the date of shipment. Please see www.inpowerdirect.com/warranty.htm for specifics or call 866-548-0965 for a copy of our warranty policy.

Customer Evaluation

InPower wants to ensure total customer satisfaction. Please download a product evaluation form at www.InPowerDirect.com/Customer_evaluation.htm or call us toll free at 866-548-0965 to be sent a form by mail.

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