

FLASHLAMP SIMMER SUPPLY

- 150mA SIMMER CURRENT
- 1125V OPEN CIRCUIT VOLTAGE
- AUTOMATIC BOOST TO MAINTAIN ARC
- UP TO 28W OUTPUT
- SCR DRIVE FOR TRIGGER TRANSFORMER
- DIRECTIVE 2011/65/EU (RoHS II) COMPLIANT



DESCRIPTION:

The **Model 867A** simmer supply is designed to strike and maintain a low-level current discharge in flashlamps. Initially, the simmer output open circuit voltage rises to a stabilized 1125V. The simmer trigger output provides an SCR discharge of 350V at 20mJ to drive a trigger transformer. When the lamp is struck, the trigger pulses are inhibited and the supply provides a constant current to the flashlamp. Immediately after PFN discharge, the current is boosted automatically to maintain the arc. An external ballast is not normally required. For high pressure, long-arc lamps or dual lamps, **Model 864A** is recommended.

SPECIFICATIONS:

Input		Simmer Trigger	
Voltage	+24VDC to +30VDC at 1A typical	Voltage	-350V at 20mJ
Simmer Output		Pulsewidth	≥ 1μs
Voltage	Up to 250V (depending on flashlamp.) Flashlamps should be processed for simmer operation.	Repetition Rate	Automatic restrike at ≈ 25Hz, if flashlamp is not lit.
Open Circuit	1125V, ± 75V	Temperature	0° to 70°C
Current	150mA	Connections	
Boost	Up to 400mA for 2ms	Input/Output/ Power	Molex, 19-09-1099
Current	For >30Hz laser PRF, boost must be disabled (add -D to part number.)	Mating	Molex, 19-09-2098
Enable	+3.0 to +32V enables simmer, 18k impedance May be tied to DC input power	Size	5.25" x 2.40" x 1.30"
Efficiency	75% typical including internal ballast		

Specifications subject to change without notice.

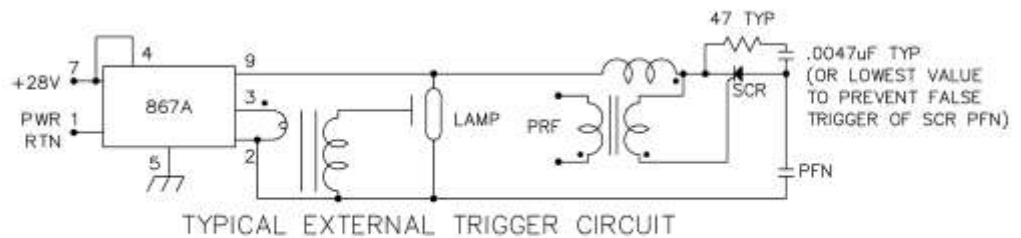
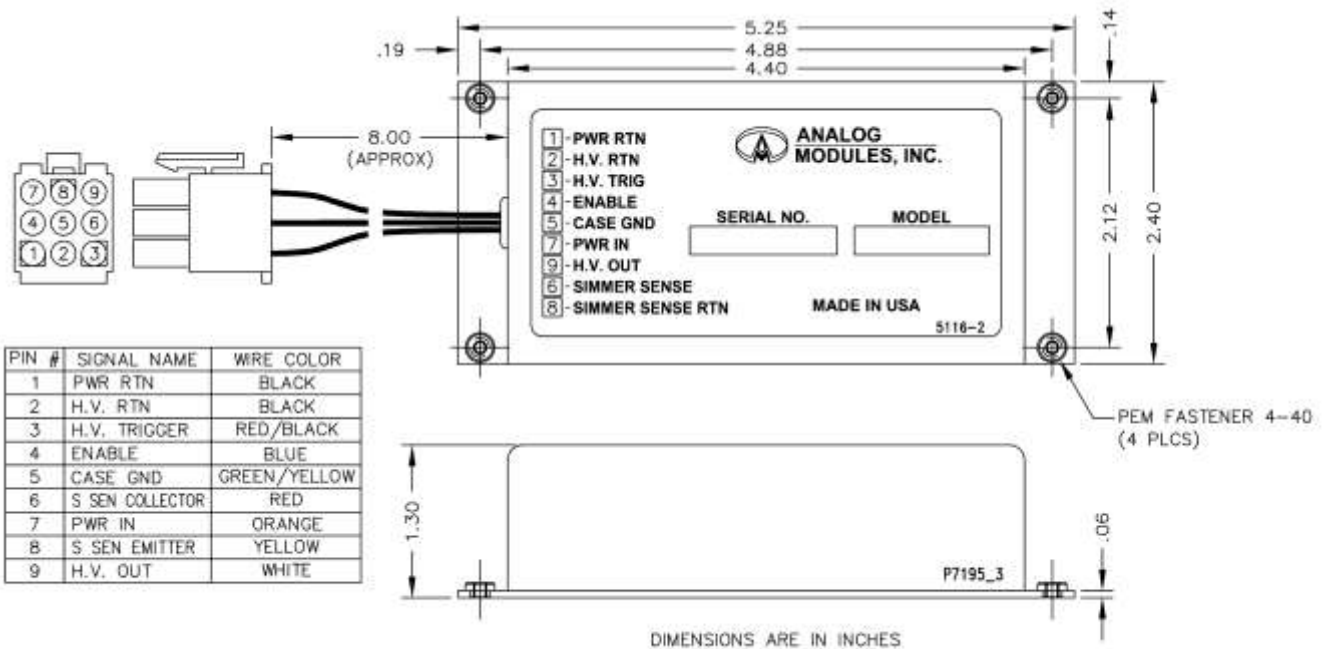


APPLICATIONS:

Full Simmer Supply with SCR Trigger Drive for Flashlamps

		MODEL NUMBER
		OUTPUT CURRENT
		150mA
INPUT VOLTAGE	+24VDC TO +30VDC	867A

Typical Part Number: 867A-D = Input Voltage: +24 to 30VDC
 Output Current: 150mA
 Automatic Boost: Disabled for >30Hz laser PRF applications



NOTE: BECAUSE OF THE WIDE VARIATIONS IN FLASHLAMPS, ANALOG MODULES, INC. CANNOT GUARANTEE SIMMER OPERATIONS WITH ALL LAMPS.