

**Proven  
Reliability**

# HC SERIES

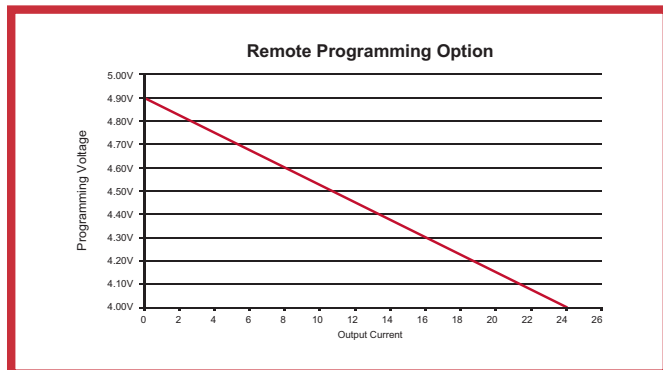
## ADJUSTABLE CURRENT REGULATED LAMP SUPPLY

### HOLLOW CATHODE LAMP SUPPLY



### PRODUCT DESCRIPTION

The HC20 is a compact, modular hollow cathode lamp power supply featuring adjustable current. Both the ignition and the drive voltages are supplied and the current is adjustable from 0 to 20 mA via a potentiometer or optional remote analog signal. Remote enable/disable control is standard, and 12 or 24 volt inputs are available. Suitable for OEM applications, these modules are offered with flying leads and feature two 0.140" mounting holes.



### PRODUCT SELECTION TABLE

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE*	OUTPUT CURRENT
HC2012	12 (-5% / +10%)	100 TO 300	0 TO 20 mA
HC2024	24 (-5% / +10%)	100 TO 300	0 TO 20 mA
HC2012R	12 (-5% / +10%)	100 TO 300	0 TO 20 mA
HC2024R	24 (-5% / +10%)	100 TO 300	0 TO 20 mA

Ignition Voltage: 500 Volts Nominal \*At Full Rated Current

### FEATURES

- Adjustable Output Current
- UL Certified Encapsulant, Meets 94V-0 Flammability
- RoHS Compliant

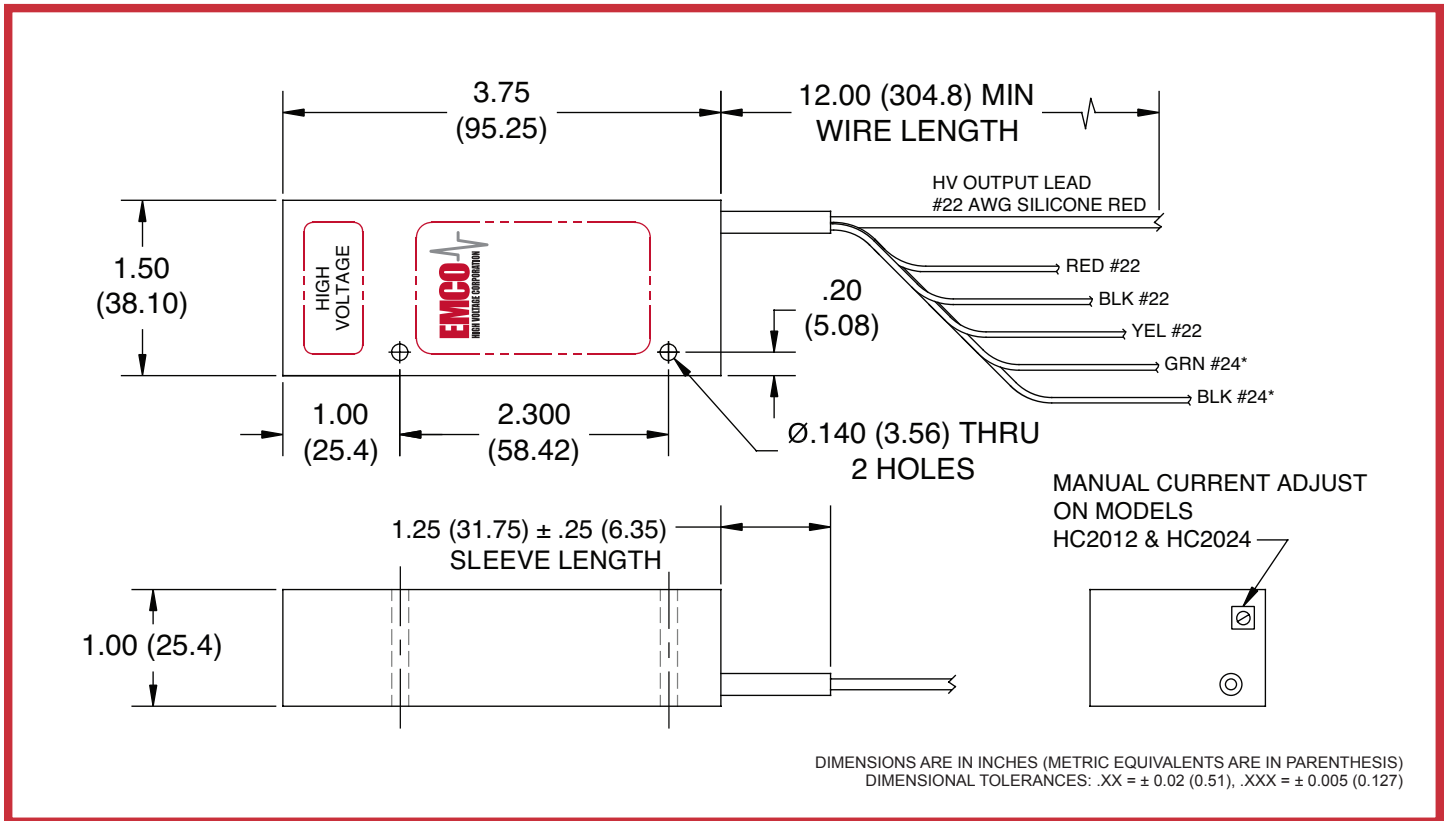
### OPTIONS

- Remote Current Control, add R to Model (See Chart)

### ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE: 12 or 24V (See Table)
- OUTPUT VOLTAGE: 100-300V
- OUTPUT CURRENT: 0-20 mA
- IGNITION: 500V Nominal
- ON/OFF CONTROL:
  - ON: Open Circuit or >2.5 Volts
  - OFF: Ground or <0.5 Volts
  - Open Collector Transistor Compatible
- OPERATING TEMP: -10° to +60° C
- STORAGE TEMP: -10° to +95° C

## Mechanical Specifications HC2012 to HC2024 (100V to 300V)



PARAMETER	VALUE
DIMENSIONS	3.75L (95.25L) x 1.50W (38.10W) x 1.00H (25.4H)
WEIGHT	4.5 OUNCES (128 GRAMS) Approx.
PACKAGING	FULLY ENCAPSULATED
CASE MATERIAL	GLASS-FILLED EPOXY

WIRE CHART			
AWG	COLOR	TYPE	FUNCTION
22	RED	30KV SILICONE	(+) OUTPUT
22	RED	600V TFE	(+) INPUT POWER
22	BLACK	600V TFE	POWER RETURN
22	YELLOW	600V TFE	ON/OFF CONTROL
24	GREEN	600V TFE	PROGRAMMING INPUT (SEE GRAPH)
24	BLACK	600V TFE	PROGRAMMING RETURN

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