

Hollow Cathode Lamp Supply

Adjustable Current Regulated Lamp Supply HC Series



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.

FEATURES

Adjustable Output Current

OPTIONS

Remote Current Control (HC2012R)

RoHS (HC2012-R)

With both options (HC2012R-R)

PHYSICAL CHARACTERISTICS

SIZE: 3.75 x 1.5 x 1 (95.3 X 38.1 X 25.4)

WEIGHT: 4.5 Ounces (128 Grams) Approx.

PACKAGING: Fully Encapsulated

CASE MATERIAL: Fiberglass

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

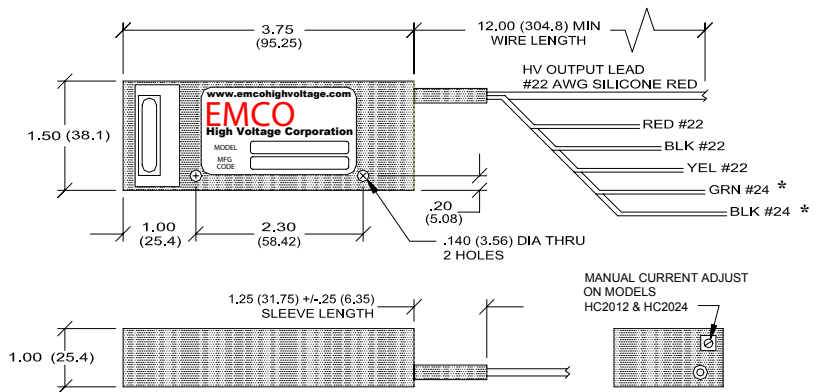
OPERATING TEMP: -10° to +60° C

STORAGE TEMP: -10° to +95° C

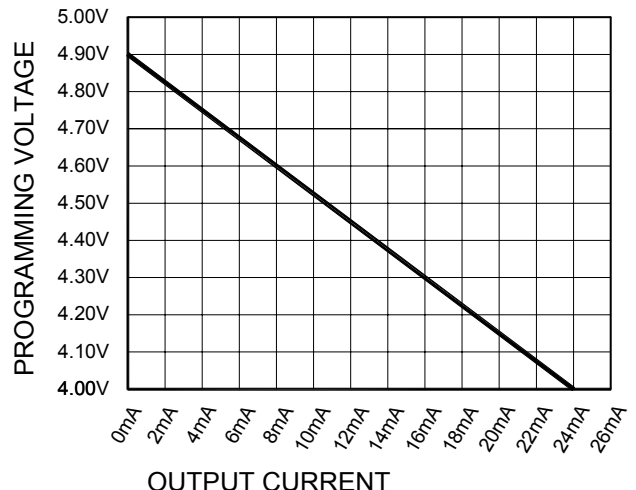
MODEL	INPUT VOLTAGE	OUTPUT * VOLTAGE	OUTPUT CURRENT
HC2012	12 (-5%/+10%)	100 to 300	0 to 20 mA
HC2024	24 (-5%/+10%)	100 to 300	0 to 20 mA
HC2012R	12 (-5%/+10%)	100 to 300	0 to 20 mA
HC2024R	24 (-5%/+10%)	100 to 300	0 to 20 mA

Ignition Voltage: 500 Volts Nominal * At Full Rated Current

Dimensions are in Inches
Dimensional Tolerances: ± .03 (.76)
(Metric Equivalents in Parentheses)



Remote Programming Option



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	PROGRAMMING INPUT (SEE GRAPH)
*	24	BLACK	PROGRAMMING RETURN

* Programmable Models Only

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We reserve the right to make changes without notification