

2192 Series

HIGH VOLTAGE POWER SUPPLIES

FEATURES

- NEMA 1, Metal Enclosure
- Cost Effective
- Reliable Solid State Design
- Maintenance Free
- Automatic Over Current Shutdown and Recovery
- High Frequency Switchmode Design
- HV Meter on Front Panel to Monitor Output (voltage and current)
- High Load Current Alarm Contacts
- Shutdown (overload) Alarm Contacts
- RoHS Version Available
- Formerly CS2192 series

TYPICAL APPLICATIONS

- Electrostatic Paint Spray
- Electrostatic Seasoning Application
- Electrostatic Oil Spray

DESCRIPTION

The 2192 series of regulated solid state switching power supplies is designed for applications requiring a high voltage power supply. Input Voltage: 120 VAC ($\pm 10\%$) 50 / 60 Hz.

The 2192 series is packaged in a NEMA1 metal, enclosure and may be installed in any position. High Voltage Silicone grease is shipped in the high voltage connectors. Consult factory for additional information.

NOTICE: This power supply requires adequate ground connection for operation. Failure to provide ground could result in failure of the power supply.



TYPICAL ELECTRICAL SPECIFICATIONS

- Input Voltage: 120 VAC ($\pm 10\%$) 50/60 Hz
- Output Voltage: -60 to -90 kVDC Adjustable
- Output Current: 175 μ A Max
- Output Power: 15 W
- Output Regulation: Regulated, see Typical V-I Curve
- Load: May be operated into any load condition (capacitive, resistive or inductive) or no load. Can withstand arcing and short circuits.
- Isolated Output; High Voltage referenced to Earth Ground

TYPICAL MECHANICAL SPECIFICATIONS

- Relay / Input Termination: Terminal strip located externally on enclosure
- High Voltage Termination: Tubular connections with integral strain relief seals, external to the metal case
- Enclosure: NEMA1 metal with hinged cover and knockouts
- Temperature Rating:
 - Operating 0° to +60°C
 - Storage -40° to +85°C

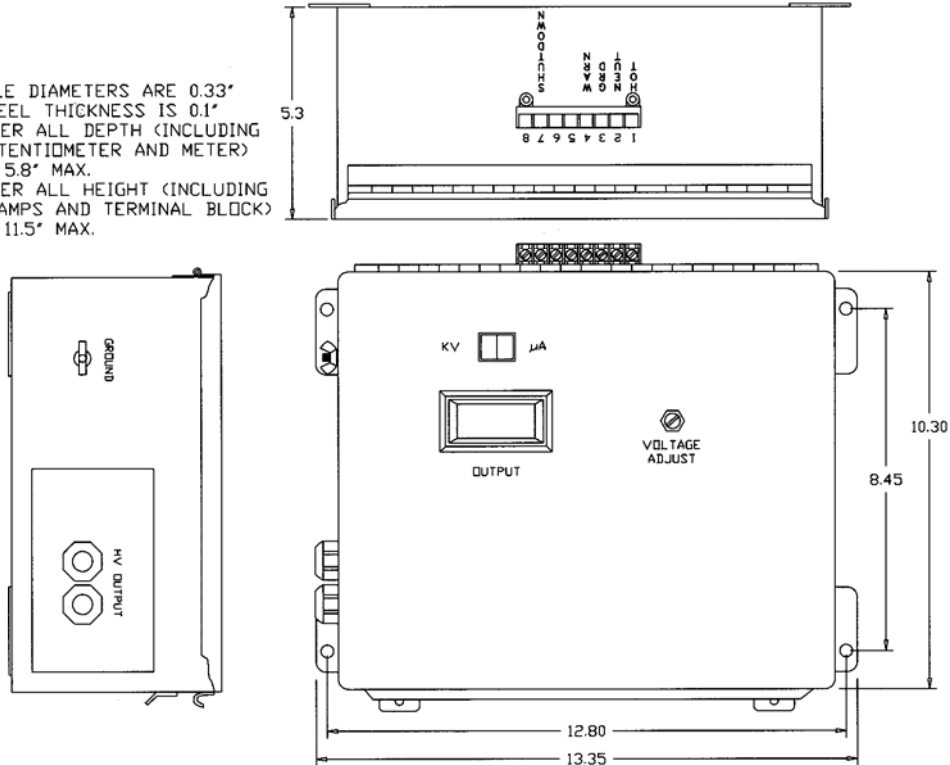


MODEL	INPUT VOLTAGE	INPUT FREQUENCY	OUTPUT VOLTAGE	OUTPUT CURRENT
ACN2192L90	120 VAC	50 / 60 Hz	Adjustable -60 to -90 kVDC Negative	175 μ A

Formerly CS2192 Series

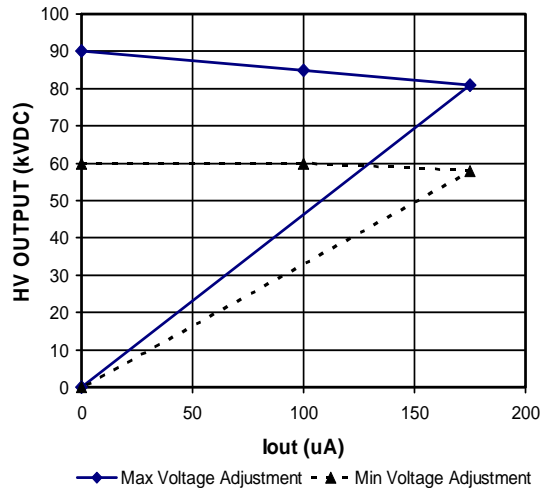
NOTES:

- 1.) HOLE DIAMETERS ARE 0.33"
- 2.) STEEL THICKNESS IS 0.1"
- 3.) OVER ALL DEPTH (INCLUDING POTENTIOMETER AND METER) IS 5.8" MAX.
- 4.) OVER ALL HEIGHT (INCLUDING CLAMPS AND TERMINAL BLOCK) IS 11.5" MAX.



2192 SERIES TYPICAL V-I OUTPUT CURVE

INPUT = 120VAC





2192

REVISION HISTORY

<u>REVISION</u>	<u>DESCRIPTION</u>	<u>BY</u>	<u>DATE</u>
0	Initial Release	MM	1992
1			
2	Up-dated part numbering and Curves	MM	08-24-07
3	Up dated for consistency changed to negative output	MM	09-20-07
4	Correction from + to – in part number	MM	11-14-07