

## 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  $\mu$ 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

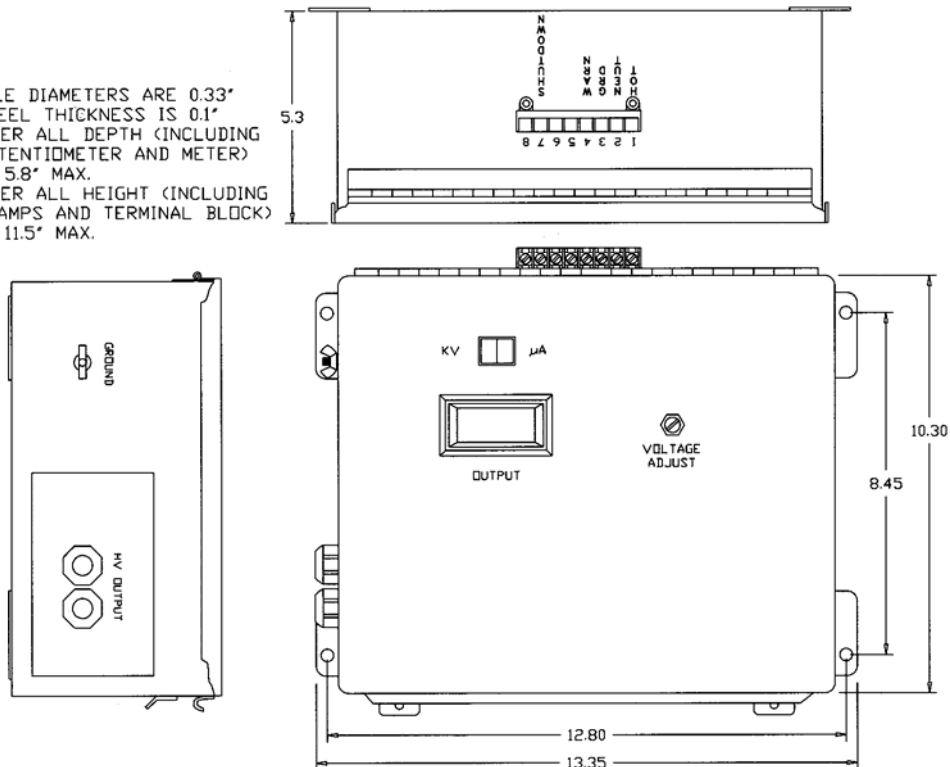
- Relay / Input Termination: Terminal strip located externally on enclosure
- High Voltage Termination: Tubular connections with integral strain relief seals, external to the metal case
- Enclosure: NEMA1 metal with hinged cover and knockouts
- Temperature Rating:
  - Operating 0° to +60°C
  - Storage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

| MODEL      | INPUT VOLTAGE | INPUT FREQUENCY | OUTPUT VOLTAGE                            | OUTPUT CURRENT |
|------------|---------------|-----------------|---|----------------|
| ACN2192L90 | 120 VAC       | 50 / 60 Hz      | Adjustable<br>-60 to -90 kVDC<br>Negative | 175 $\mu$ A    |

Formerly CS2192 Series

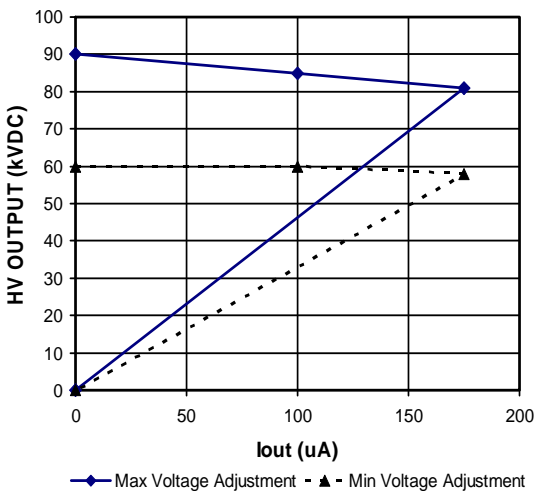
NOTES:

- 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



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### 2192

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#### 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    |