

Surge Protection SP5

DATASHEET

Two-stage transient voltage protectors provide primary and secondary protection against lightning, switching, and electrostatic discharges. Provides protection on 4-20mA, sensors, and AC Power in one convenient enclosure.

Features

- Automatic Reset - will not interrupt service
 - Nanosecond response time
 - No maintenance required

Specifications

- Operating Temperature: -40 °C to +85 °C
 - Enclosure: NEMA4 Steel

4-20mA Protector

Protek 420E236 - Maximum Ratings

- Operating Line Current: 100mA
 - Transient Source Voltage: 6kV
 - Transient Current (8/20μs): 10kA/Line

AC Power Line Surge Suppressor

Protek 587B - Maximum Ratings:

- Line Voltage: 115 V AC
 - Line Current: 5.0 A
 - Transient Voltage: 6,000 V peak
 - Transient Current: 3,000 A peak
 - CSA/NRTL Certified

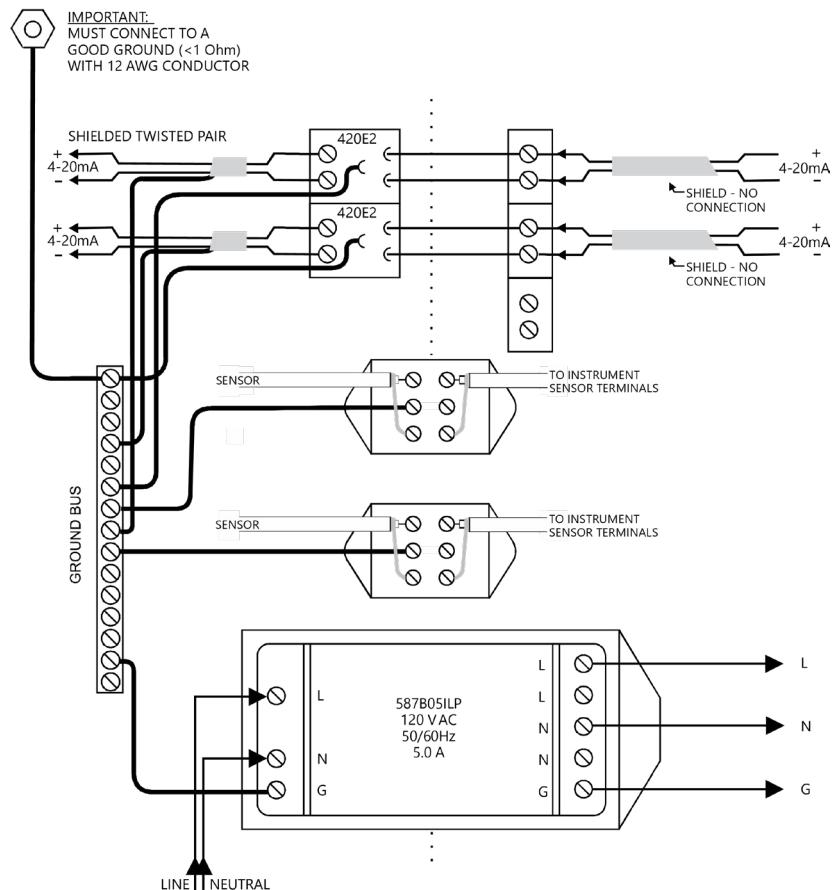
Installation Notes

- Cables between the SP5 Surge Protector enclosure and the Pulsar meter electronics should be as close as possible and should not exceed 1.3 m (4 ft) length.
 - Lightning contains a broad spectrum of frequencies up to 1 MHz. A low impedance path to earth ground is necessary. *A ground strap or a #6 AWG stranded wire is recommended.*
 - Sensor connection for meters with ISB option *should not* be made to SP5. Connect directly to intrinsic safety barriers.
 - Use Greenlee-type hole cutter to make conduit entries in enclosure.

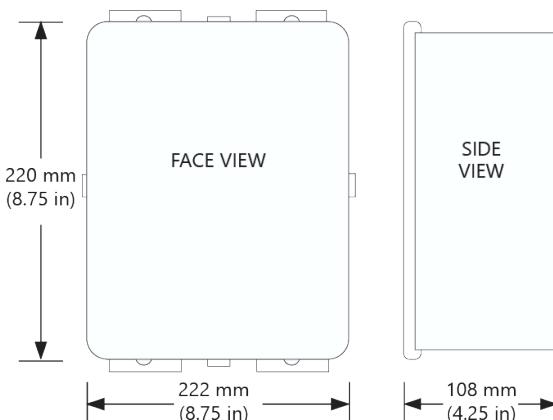
Connections

LINE / FIELD SIDE

INSTRUMENT SIDE



Enclosure Dimensions



Delivering the Measure of Possibility

INFO@PULSARMEASUREMENT.COM

Pulsar Measurement is a trading name of Pulsar Process Measurement, Ltd

Copyright © 2021 Pulsar Measurement
Registered Address: 1 Chamberlain Square CS, Birmingham B3 3AX
Registered No.: 3345604 England & Wales

United States
+1 888-473-9546

Asia
+60 102 591 332

Canada
+1 855-300-9151

Oceania
+61 428 692 274

United Kingdom
+44 (0) 1684 891371

pulsarmeasurement.com