

Power Sentinel™

The INCON Power Sentinel™ is a unique product that provides electrical power protection for all equipment at a site. It is easy to install, offers “whole store” versus “point-of-use” protection and provides a simple way to ensure power quality.



Features

- Reduces electricity demand and electrical noise.
- Provides permanent, maintenance-free surge protection.
- Offers “whole site” vs. “point-of-use” protection.
- Easy to install and requires less down time than similar models.
- Provides the most simple and cost-effective way to ensure power quality.

Capabilities

Power Sentinel™ utilizes established technology in a unique manner to provide a site with power conditioning and surge protection capabilities.

- Cost-effective and maintenance free package that provides surge and spike suppression, noise filtration and power factor correction.
- Protects entire facility from costly power surges.
- Helps equipment to run at optimal efficiency thereby reducing energy consumption.
- Prevents business disruptions from electrical noise.
- Creates cost savings by increasing up time and reducing equipment maintenance costs.
- Easy installation at the electrical panel.
- Achieves power factor correction which can lower demand charges and motor operating temperatures thereby prolonging the life of electrical equipment.

Applications

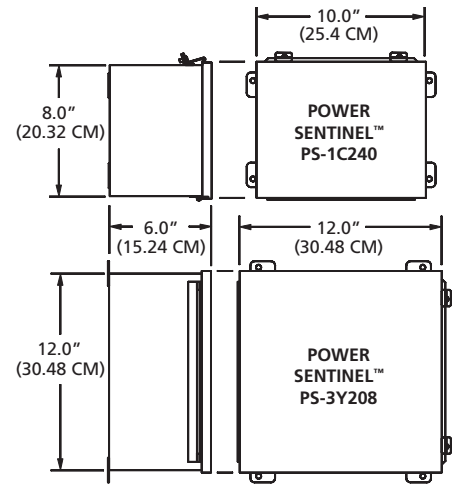
The Power Sentinel™ is connected in parallel into AC systems at the main power panel.

- Available in single-phase and three-phase models.
- Connected to the electrical power panel via conduit and a dedicated circuit breaker.
- Maintenance-free, solid-state device with no moving parts.
- No need to service during operating life.
- NEMA 12-rated enclosure which makes it moisture, dust and tamper resistant.
- Establishes power quality before it gets to the main breaker allowing the entire site to benefit from clean power.

Power Sentinel™ Specifications



UNIT MODEL	PS-1C240	PS-3Y208
Power line voltage	120 v or 240 v	120 v or 208 v
Phase and configuration	Single	3 Wye
Frequency (Hz)	50/60	50/60
Power Dissipation (J) (2 μs current wave)	1,270	3,300
Peak Pulse Current (A) (8/20 μs current wave)	40k - 120k	40k - 120k
Maximum Clamping (V) (@ 200A, 8/20 μs current wave)	405/690	630
Total Capacitance (μF)	200	495
Operating temperature	-40° to 70° C -40° to 158° F	-40° to 70° C -40° to 158° F
Line wires (AWG)	10	10
Circuit breaker required (A)	20	40
Dimensions	10" × 8" × 6"	12" × 12" × 6"
Weight (lbs.)	17	28



**POWER SENTINEL™
DIMENSIONS**

PART NUMBER	DESCRIPTION
PS-1C240	120/240 VAC (single-phase)
PS-3Y208	208/240 VAC (three-phase)
PS-3Y480	277/480 VAC (three-phase)
PS-3D600	600 VAC (three-phase)

Note:

- Power Sentinel™ is quickly installed and wired to the main power panel for power conditioning and surge protection.
- The unit must agree with the voltage supply at the site (contact a licensed electrician for this information and for unit installation).