

Pulsar Surge Suppression

AC Power & dB Transducer Surge Protection



The **Pulsar Surge Suppression Series** was specifically designed to protect our ultrasonic level transmitters and dB transducers used in the Municipal industry. It combines hybrid AC power protection and signal line protection in a NEMA 4X polycarbonate case. The AC power suppressor can supply up to 1875 Watts and has a 15 Amp replaceable fuse to prevent overloading of the protective elements. A “Power On” LED provides visual indication that power is applied to instruments. Transducer line protection is accomplished by the PC642 series available in a variety of voltage clamps. Signal current can be monitored by reading the voltage across the 10 ohm 1% resistors (TP1 & TP2 or TP3 & TP4). All leads going to the board are terminated by quick disconnect connectors to facilitate easy removal for service or replacement.

FEATURES

- Lightning & Surge Suppression for AC Power & Low Voltage Signal Lines
- Series Hybrid AC Suppressor/Filter
- “Power On” Indicator
- Plug-In Protection Module
- 15 Amp Replaceable Fuse
- Test Jacks for Signal Line Monitoring
- Nema 4X Enclosure

DIMENSIONS/CASE

- Nominal Outside Dimensions: H=7, W=7, D=3 (Inches)
- Knockouts for 1/2” and 3/4” hubs
- Bosses provided for #6 x 3/8” self-tapping screws
- Flammability Rating UL94-5V
- Base Molded in Light Grey Polycarbonate
- Cover Molded in Clear Polycarbonate
- Nema 4X Rating

SPECIFICATIONS AC

Clamping Cat.	ANSI/IEEE C62.41 (IEEE 587)
Technology.....	3 Stage Series Hybrid
Input Voltage.....	120VAC 50/60 Hz
Output Current.....	15 Amps. Max.
Response Time.....	< 5 Nanoseconds
Max. Surge Current.....	10kA (8x20µs)
Occurrences @ 500A.....	>50

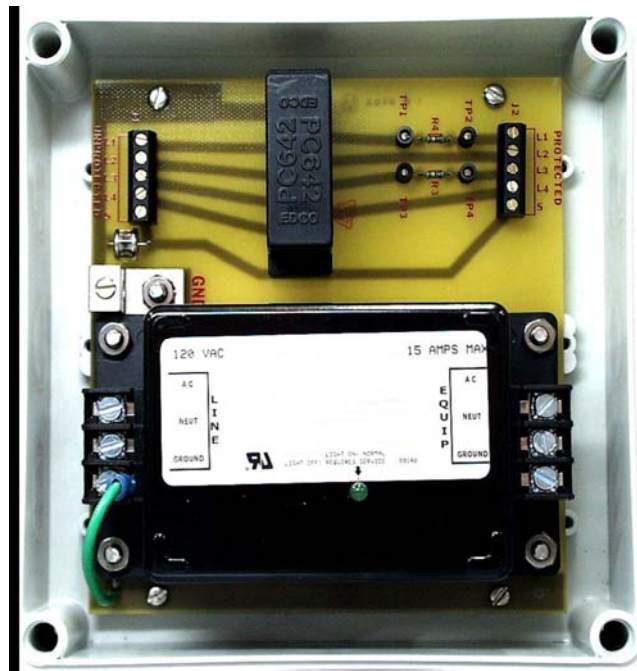
SPECIFICATIONS SIGNAL LINE

Technology.....	3 Stage Series Hybrid
Voltage Clamp.....	8 – 60 V.
Series Resistance.....	5 ohms Typical
Response Time.....	< 5 Nanoseconds
Max. Surge Current.....	10kA (8x20µs)



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INSTALLATION

- Connect GND Terminal to Local Ground

Pulsar dB Transducer

- L1 – Connect to Red
- L2 – Connect to White
- L3 – Connect to Black
- L4 – Connect to Shield (Green)

(If 2 Conductor/Shield is used, Connect Black and Shield to L3)

- Connect AC Power as Marked on Case

ORDERING INFORMATION*

SURGE –

<input type="text" value="1"/>	=	0	No Enclosure
		1	Polycarbonate Case (Standard)
		2	Stainless Steel (Optional)
		3	Fiberglass (Special)
<input type="text" value="2"/>	=	0	Without PC642 Signal Protector
		2	With PC642
<input type="text" value="3"/>	=	008	PC642 Voltage Clamp Selection
		015	
		030	
		036	
		050	
		060	

*For Standard Unit order part # SURGE-12036

