

**Transient Voltage
Surge Suppressors By:**

ST-PDB5

Telecommunication Lines Protection - Punch Down Block Device



"Power Quality is our Only Business"

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The Series ST-PDB5 device is designed to protect voice grade telephone lines, fax lines, modem lines or ISDN lines from damage due to surges. This device is intended for installation at the point of demarcation close to the building ground so as to facilitate ground wire connection to the same point as the electrical system ground.

This device is designed to protect up to five paired lines. Connection is accomplished by punching the pairs down with a standard punchdown tool, making your installation a breeze. A ground lug is provided on the unit to help insure a low impedance ground path.

The unique design of the S-PDB5 device makes it among one of the most versatile TVSS devices on the market with superior performance specs and a warranty that is second to none.

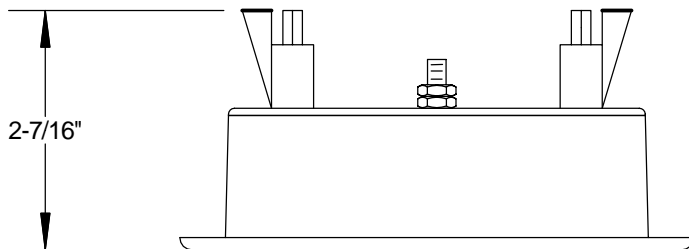
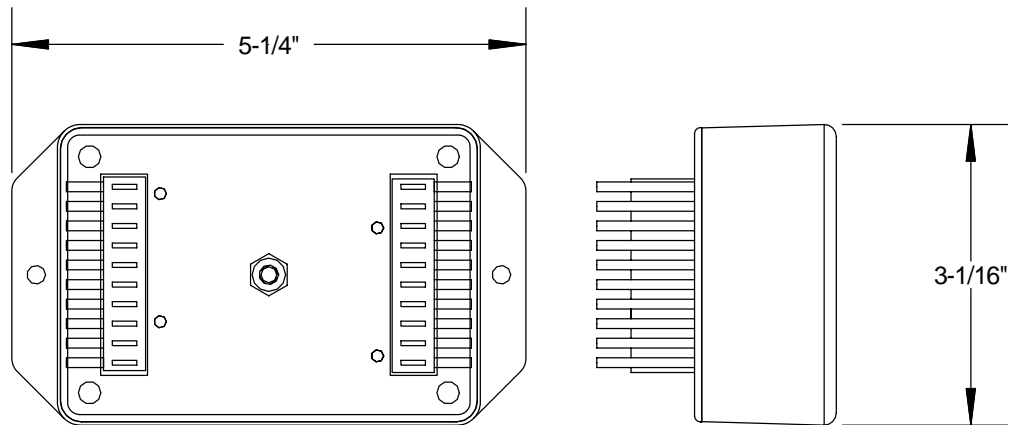
GENERAL	
Description:	Series wired transient voltage surge suppressor with encapsulated Optimal Response Network™ circuitry for protection of telecommunications circuits.
Application:	Designed for use on Standard 3002-C2 unconditioned voice grade lines, fax lines, modem lines or ISDN lines to protect all telecommunication system equipment from damaging transients generated outside that facility on the Central Office cable.
Warranty:	25 Years Unlimited Free Replacement

MECHANICAL	
Enclosure:	Plastic, UL 94V-0
Mounting:	External mounting feet. DIN rail mounting feet (DIN option)
Connection Method:	Lines: standard IDC terminals (26 AWG wire min – 22 AWG wire max) Ground: Wire clamping box terminal lug (12 AWG wire min - 6 AWG wire max)
Shipping Weight:	< 2 lbs

CIRCUITRY	
Circuit Design:	Series wired, parallel connected hybrid design incorporating discrete all mode protection and utilizing our encapsulated Optimal Response Network™ design to provide lowest possible let-through-voltages. All suppression circuits are low capacitance and low impedance and are encapsulated in our high dielectric compound to promote long component life and protection from the environment and/or vibration.
Protection Modes:	Dedicated protection components and circuitry for each mode. Discrete Tip-to-Ring (Normal Mode) and Tip-Ground and Ring-Ground (Common Mode)

PERFORMANCE	
Maximum Continuous Operating Voltage:	130 Vrms Tip-Ring, Tip-Ground and Ring-Ground
Maximum Data Rate:	Up to 100 kbps
Let-Through-Voltage:	< 420 Volts at B3/C1 Impulse (6 kV / 3 kA, combination wave) T-R, T/R-G.
Peak Surge Current per Pair:	30 kA per pair
Series Resistance:	Zero Ohms per wire

Let-Through-Voltage Test Environment	
ANSI/IEEE C62.36-2000, C62.41.2-2002, C62.45-2002 Unpowered, Positive Polarity. All voltages are peak ($\pm 10\%$)	
Let-Through-Voltage Tests:	
Test Mode	Test Category B3/C1 Impulse Wave 6 kV 3 kA
T-R	< 420 V
T/R-G	< 420 V



Actual unit may vary from picture