

High Speed Data Line Models

Network Data Circuit protection device with Discrete All-Mode Protection



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The High Speed Data Line devices are designed to protect data transmission circuits. These devices are intended for installation near the equipment to be protected and mounted as close to the equipment as possible so as to allow for a common grounding point for grounding.

This device is available for two to twelve wire data line connections (1 to 6 pair) accomplished by using the terminal strips provided, making your installation a breeze. Ground lugs are provided on the face of the unit to insure a low impedance ground discharge path.

The unique design of these devices makes them among the most versatile SPD 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 Voltage Responsive Circuitry™ (VRC) for protection of data circuits.
Application:	Designed for use with data, signal and current loop circuits to protect data transmission system equipment from damaging transients generated between terminals and equipment in the data collection/transmission system.
Warranty:	25 Years Unlimited Free Replacement
Unit Listing:	Listed to UL497B

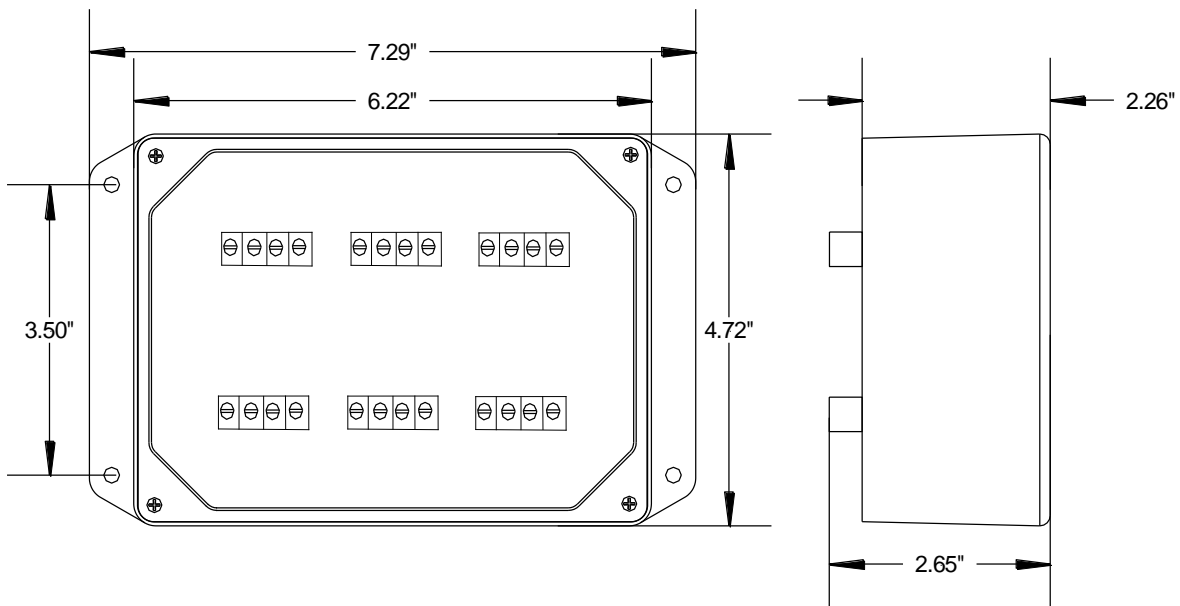
MECHANICAL	
Enclosure:	Plastic, UL94-5VA
Mounting:	External mounting feet. DIN mounting feet (DIN option)
Connection Method:	Wire clamping box terminals located at the input and output sides of the device. Wire size: Lines #18-22 AWG, Ground #6-12 AWG.
Shipping Weight:	< 2 lbs

CIRCUITRY	
Circuit Design:	Series wired hybrid design incorporating discrete all mode protection and utilizing our encapsulated Voltage Responsive Circuitry™ (VRC) designed to provide lowest possible let-through voltages. All suppression circuits 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 L-L (Normal Mode) and L-G, Shield-G (Common Mode)

PERFORMANCE	
Maximum Continuous Operating Voltage:	See table below
Maximum Continuous Operating Current:	5 A
Series Resistance:	0 Ohms per wire
Maximum Data Rate:	100 Mbps
Peak Surge Power:	1,500 Watts (L-G), (L-L). 4,500 Watts Total/pair

**Let-Through Voltages Using ANSI/IEEE C62.45 & C62.41.2 Test Environment:
Static, positive polarity. All voltages are peak ($\pm 10\%$).**

Model x = 8 or 12	Maximum Continuous Operating Voltages	Maximum Continuous Operating Current	Test Mode	10 x 1,000 μ sec, Impulse waveform
DC5Cx-B	7.5 V 15 V	5 A	L-G L-L	< 20 V < 40 V
DC12Cx-B	24 V 48 V	5 A	L-G L-L	< 30 V < 60 V
DC24Cx-B	36 V 72 V	5 A	L-G L-L	< 60 V < 120 V
DC48Cx-B	62 V 124 V	5 A	L-G L-L	< 90 V < 180 V
DC140Cx-B	200 V 400 V	5 A	L-G L-L	< 250 V < 500 V



Actual unit may vary from picture