

**Transient Voltage  
Surge Suppressors By:**

**ST-TC130Dx-B**

Network Data Circuit protection device with Discrete All-Mode Protection



P.O. Box 330607  
Ft. Worth, TX 76163  
Phone: 817.483.8497  
Fax: 817.572.2242  
www.sinetamer.com

*"Power Quality is our Only Business"*

These devices are designed to protect standard voice grade telephone lines. These devices are intended for installation at the telephone demarcation point so as to allow for a common grounding point.

This device is available for a variety of line connections (1, 2, 3, 4, or 6 pair) accomplished by using terminal strips, making your installation a breeze. A ground lug is 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 TVSS devices on the market with superior performance specs and a warranty that is second to none.

**GENERAL**

<b>Description:</b>	Series wired transient voltage surge suppressor with encapsulated <b>Optimal Response Network™</b> circuitry for protection of voice grade telephone circuits.
<b>Application:</b>	Standard 3002/C2 unconditioned voice grade lines, fax lines, modem lines and <b>ISDN</b> lines to protect data transmission system equipment from damaging transients generated outside of the facility.
<b>Warranty:</b>	<b>25 Years Unlimited Free Replacement</b>
<b>Unit Listing:</b>	Listed to UL497B

**MECHANICAL**

<b>Enclosure:</b>	Plastic, UL 94V-0
<b>Physical Dimensions:</b>	5.5" X 3.375" X 1.875" (1, 2, 3, & 4 pair terminal). 7.3" X 4.7" X 2.8" (6 pair terminal)
<b>Mounting:</b>	External mounting feet. DIN mounting feet (DIN option)
<b>Connection Method:</b>	Standard screw terminals
<b>Shipping Weight:</b>	< 2 lbs

**CIRCUITRY**

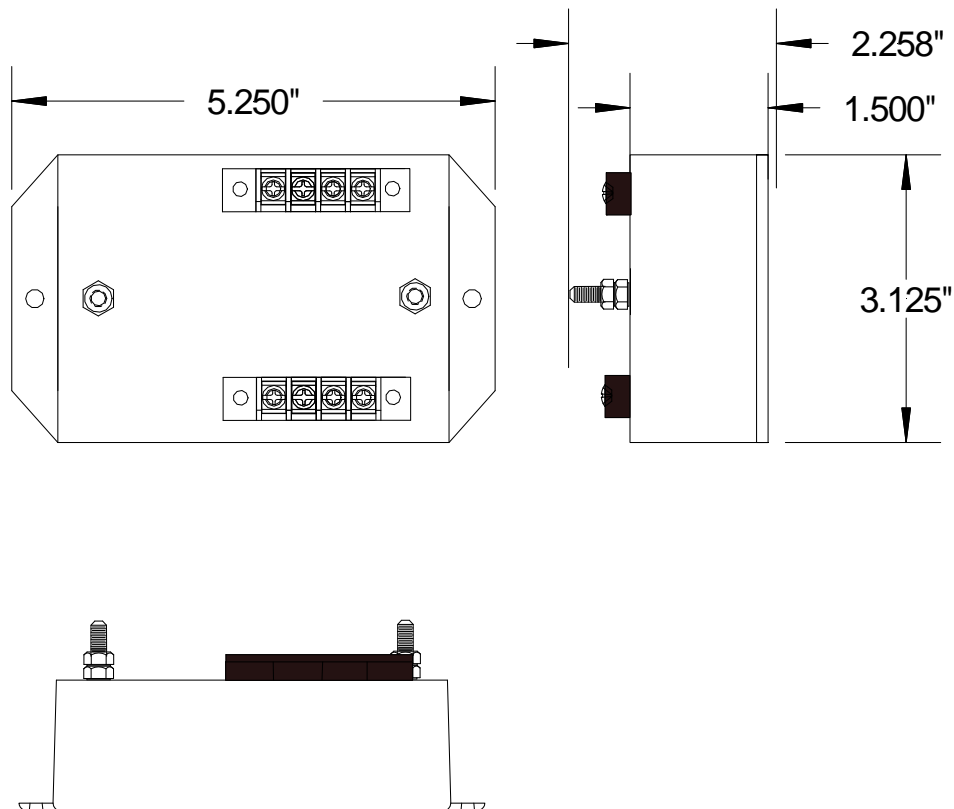
<b>Circuit Design:</b>	Series wired, parallel connected hybrid design incorporating discrete all mode protection and utilizing our encapsulated <b>Optimal Response Network™</b> design to provide lowest possible let-through-voltages. All suppression circuits are encapsulated in our high dielectric compound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

**PERFORMANCE**

<b>Maximum Continuous Operating Voltage:</b>	130 Vrms
<b>Maximum Continuous Operating Current:</b>	150 mA
<b>Series Resistance:</b>	0 Ohms
<b>Maximum Data Rate:</b>	Up to 100 Kbps
<b>Peak Surge Current per Pair:</b>	30 kA per pair

Models Available	
ST-TC130D2(DIN)-B	Single Pair – Terminal Connected
ST-TC130D4(DIN)-B	Two Pair – Terminal Connected
ST-TC130D6(DIN)-B	Three Pair – Terminal Connected
ST-TC130D8-B	Four Pair- Terminal Connected
ST-TC130D12-B	Six Pair –Terminal Connected

ANSI/IEEE C62 Let-Through Voltage Tests		<b>Notes:</b> Let-Through Voltage Test Environment: ANSI/IEEE C62.45 & C62.41. Static, Positive Polarity, All voltages are peak (±10%)
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. (12 position unit not shown)