Transient Voltage Surge Suppressors By:

ST-CXN###Fx-B

ECS Energy Control Systems

Made in the USA

"Power Quality is our Only Business"

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The Coaxial Series devices are designed to protect Data and Signal Transfer circuits, LANs operating Thin Ethernet / ThinNet (10Base2), Token Ring (802.5), 802.3, CCTV, CATV, cable TV, Radio Frequency Receiving Equipment, Coax Satellite Systems, and a wide variety of similar circuits using coaxial connections. This device is connected in series using common N coaxial connectors, making your installation a breeze. A ground lug is provided on the side 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 connected transient voltage surge suppressor with **O**ptimal **R**esponse **N**etwork™ circuitry for use on a wide variety of circuits using coaxial connections.
Application:	Data and Signal Transfer circuits, LANs operating Thin Ethernet / ThinNet (10Base2), Token Ring (802.5), 802.3, CCTV, CATV, cable TV, Radio Frequency Receiving Equipment, Coax Satellite Systems, and a wide variety of similar circuits using coaxial connections.
Warranty:	**25 Years Unlimited Free Replacement**
Unit Listing:	UL497B

MECHANICAL

Enclosure:	Die-cast aluminum alloy (Shielded) case
Connection Method:	Input: female, Output: female, Ground: #10 threaded stud, Optional DIN mounting foot.
Shipping Weight:	**<** 1 lb

CIRCUITRY

Circuit Design:	Series wired, hybrid, low capacitance design using our **O**ptimal **R**esponse **N**etwork™ design to provide the lowest possible Let-Through-Voltages.
Protection Modes:	L-G (Common Mode)

PERFORMANCE

Maximum Continuous Operating Voltage:	See Table on back
Maximum Continuous Operating Current:	500 mA
Frequency Range:	DC (0 Hz.) Up to 1 GHz
Data Signal Rate Range:	0 to 150 Mbps
Series Resistance:	0 Ohms
Characteristic Line Impedance (Z_0):	50 Ohms, resistive
Insertion Loss:	< 3 dB, DC to 1 GHz.
Application Range:	50 – 75 Ohms, typical.
Peak Surge Current per coaxial cable:	10 kA PSC (L-G)

Because we are constantly seeking to improve our products, specifications are subject to change at any time.
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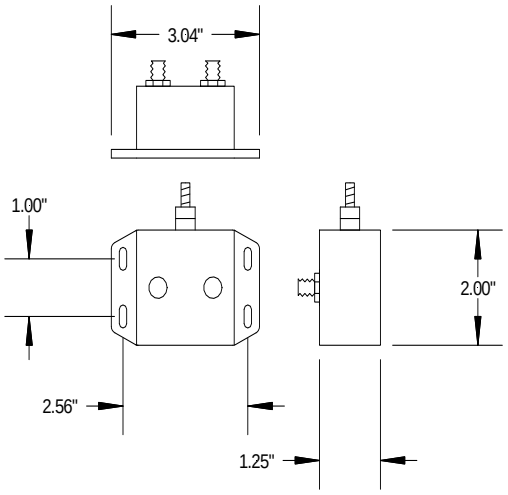
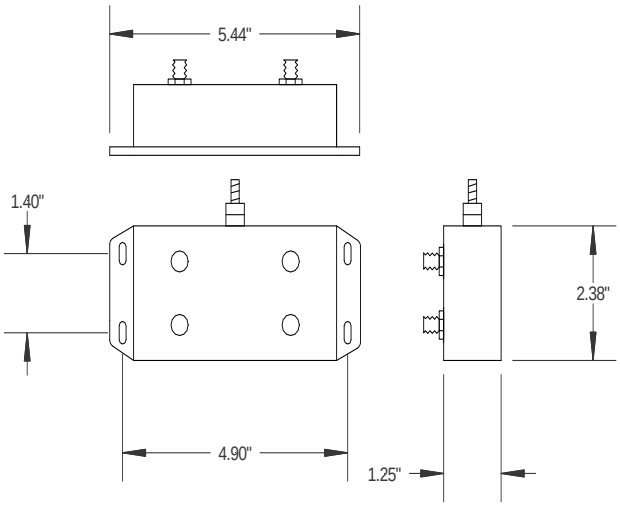
Maximum Continuous Operating Voltage Current and Maximum Data Transmission Rate				
Model	**MCOV**	**MCOC**	**Maximum Data Transmission Rate**	**Frequency Range**
ST-CXN60Fx-B	75 V	500 mA	≤ 150 Mbps	≤ 1.0 GHz
ST-CXN75Fx-B	90 V			
ST-CXN90Fx-B	110 V			
ST-CXN130Fx-B	145 V			
ST-CXN200Fx-B	230 V			

Single Port Coax Model – F1



Dual Port Coax Models – F2



Actual unit may vary from units pictured

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