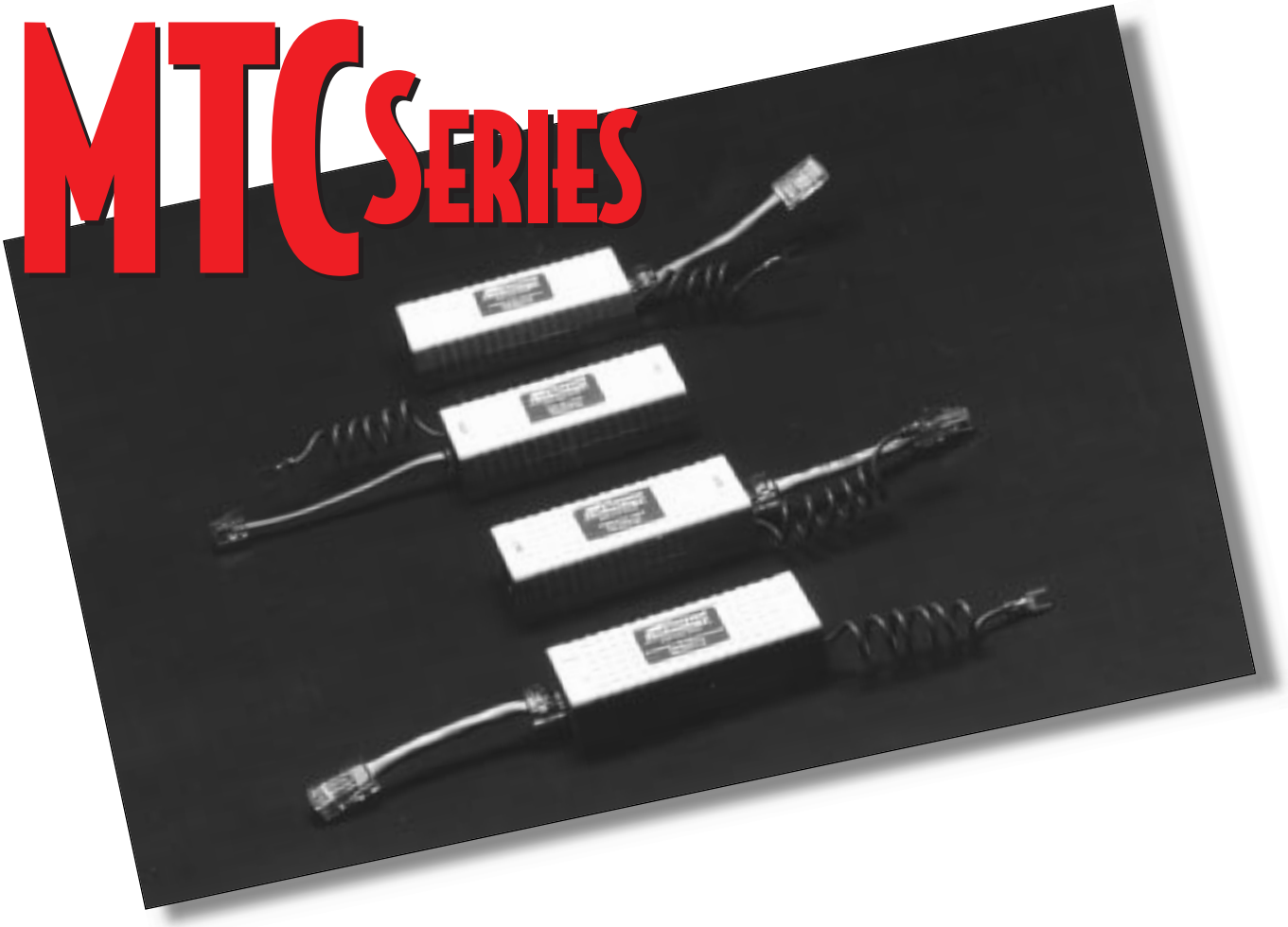
MTC SERIES



The MTC Series of twisted pair electrical transient surge protectors ensure the reliable and continuous operation of networked equipment using 10 Base T Ethernet, RS232, RS422, Token Ring, Analog Dial-Up Modems/Faxes, DDS, ISDN, T-1 lines, LANs and most other communication interfaces.

MTCs Deliver:

- State-of-the-art avalanche diode and thyristor technology
- Compact in-line installation
- High speed, high energy handling capability
- Low shunt capacitance for reduced signal loss

You Receive:

- Cost-effective, superior equipment security
- Improved reliability and maximized system uptime
- Interface card protection
- Adaptability to most industry applications
- Five Year Limited Warranty

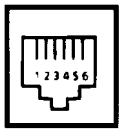
Proven MTC Series devices safeguard sensitive data networks against lightning induced surges, AC power interference, electrostatic discharge and ground loop energies. Typical applications include terminals, fileservers, repeaters and Hubs using 10 Base T Ethernet, Arcnet, LAN/WAN interfaces, modems, fax machines, point of sale terminals and most other equipment utilizing standard modular telephone jacks.

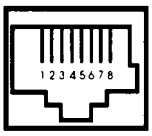
High speed avalanche diode technology is combined with low capacitance circuitry to enable MTC Series models to function at a much greater bandwidth without signal degradation. For versatility, standard MTC Series models are available with up to 10 wires projected on the RJ11 device. Cost effective MTC models provide today's most reliable communication network protection.

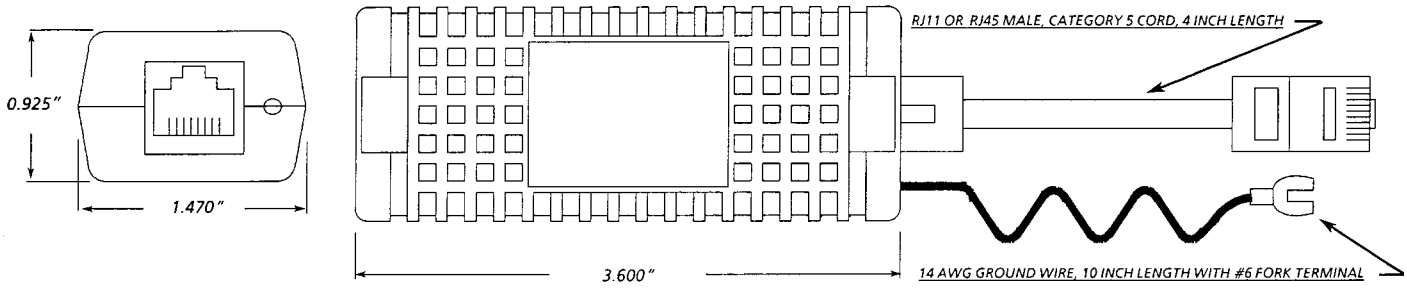
Quality Engineered to protect

- **RJ11-style**
- **RJ45-style**

twisted pair interfaces from damage and down-time resulting from common electrical disturbances

RJ-11 SERIES	WIRES PROTECTED	SYSTEM APPLICATION AND MODEL NUMBER									
		DIAL-UP* MODEM/FAX	10 Base T ETHERNET	TOKEN RING	RS422, RS485 OR RS423	RS232	ARCNET	CSU/DSU*	DDS*	ISDN & T-1*	RJ48X*
	2 Wire: 2 Center Pins Protected	MTC02G/RJ11	—	—	—	—	—	—	—	—	—
	4 Wire: 4 Center Pins Protected	MTC04G/RJ11	MTC04E/RJ11	MTC04T/RJ11	MTC04E/RJ11	RMC04T/RJ11	MTC04A/RJ11	MTC04B/RJ11	—	—	—
	6 Wire: 6 Center Pins Protected	MTC06G/RJ11	MTC06E/RJ11	MTC06T/RJ11	MTC06E/RJ11	RMC06T/RJ11	MTC06A/RJ11	MTC06B/RJ11	—	—	—

RJ-45 SERIES	WIRES PROTECTED † Unless Specified	SYSTEM APPLICATION AND MODEL NUMBER									
		DIAL-UP* MODEM/FAX	10 Base T ETHERNET	TOKEN RING	RS422, RS485 OR RS423	RS232	ARCNET	CSU/DSU*	DDS*	ISDN & T-1*	RJ48X*
	4 Wire: 4 Center Pins Protected	MTC04G/RJ45	MTC04E/RJ45 † 10 Base T PINS	MTC04T/RJ45	MTC04E/RJ45C	MTC04T/RJ45	MTC04A/RJ45	MTC04B/RJ45 † SPECIFY PINS	—	—	—
	1, 2, 7, 8	—	—	—	—	—	—	—	MTC04B/RJ45-DDS	—	—
	1, 2, 4, 5	—	—	—	—	—	—	—	—	MTC04B/RJ45-T1	—
	1, 2, 4, 5 (1 TO 4, 2 TO 5)	—	—	—	—	—	—	—	—	—	MTC04B/RJ48X
	8 Wire: All Pins Protected	MTC8G/RJ45	MTC08E/RJ45	MTC08T/RJ45	MTC08E/RJ45	MTC08T/RJ45	MTC08A/RJ45	MTC08B/RJ45	—	—	—



ELECTRICAL SPECIFICATIONS							
	DIAL UP* MODEM/FAX	10 Base T ETHERNET	TOKEN RING	RS422, RS485 OR RS423	RS232	ARCNET	CSU/DSU* DDS/T-1
Stand. Clamp Voltage	240 Volts	7.5 Volts	18 Volts	7.5 Volts	18 Volts	30 Volts	60 Volts
Peak Pulse Current 8/20(sec s.c. waveform @ Vc1	250 Amps	750 Amps	340 Amps	750 Amps	340 Amps	370 Amps	200 Amps
Response Time	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns
Maximum Shunt Capacitance	40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF
Category 5 Compliance	—	YES	YES	YES	YES	YES	YES

** Product has been tested and determined to meet or exceed UL specification 497A*

