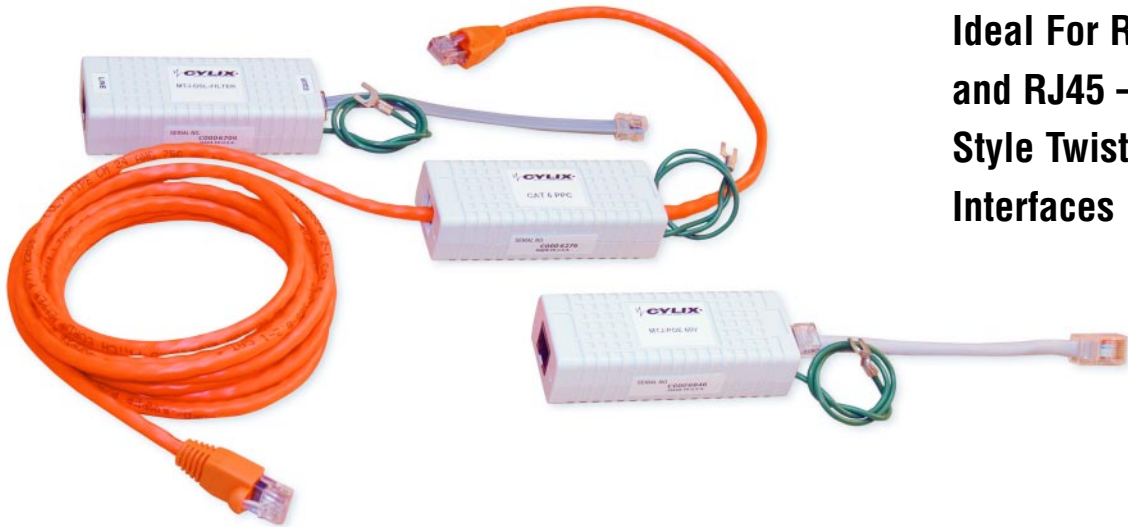


MTJ SERIES

DATA LINE SURGE PROTECTION

The MTJ Series of surge protectors for RJ45 and RJ11 connectors will ensure the reliable operations of devices in a wide variety of environments. We offer protection for LAN interface technologies such as Ethernet, 10/100BASE T, CAT5, CAT5e, CAT6, and Power over Ethernet. For WAN and Telco applications we offer protection for ISDN, T-1, E-1, DDS, analog dial-ups, and more. Additionally, our Custom Products Division provides a solution for almost any application that sends data, voice, or video over copper interconnects.



**Ideal For RJ11
and RJ45 —
Style Twisted Pair
Interfaces**

MTJs OFFER

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

YOU RECEIVE

- Affordable, superior, equipment protection
- Improved reliability and maximized system up-time
- Protection at the interface card
- Adaptability to most industry applications

The MTJ Series devices guard sensitive data networks against lightning induced surges, AC power interference, electrostatic discharge, and ground loop energies. Typical applications include: NIC's, switches, hubs, repeaters, bridges, routers, point of sale terminals, modems, fax machines, telephones and most other types of communications equipment utilizing RJ45 or RJ11 modular telephone jacks.

High speed avalanche diode technology is used in conjunction with low capacitance circuitry enabling the protectors to function at a much greater bandwidth without causing signal degradation.

Standard units are available with up to 8 wires protected on the RJ45 devices, and up to 6 wires protected on the RJ11 device. All this, in combination with their small size, makes the MTJ exceedingly versatile.

www.cylinx.com



MADE IN THE USA

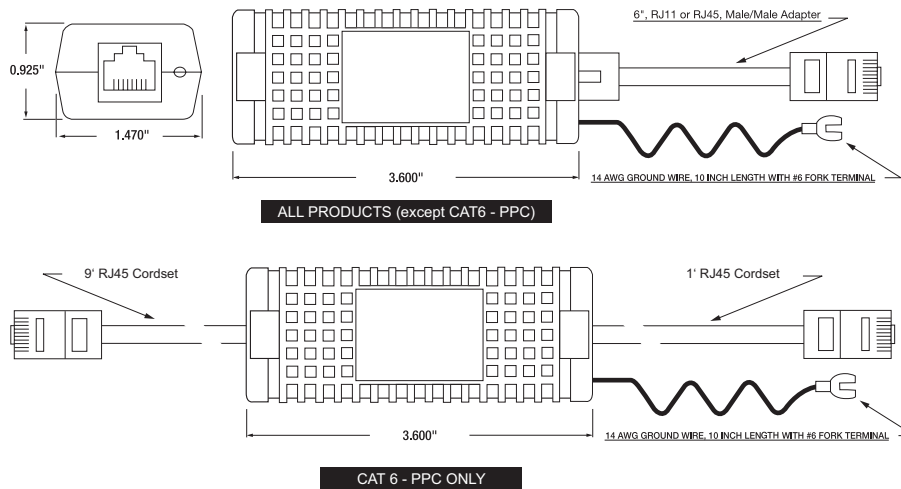


2637 TOWNSGATE ROAD, SUITE 200, WESTLAKE VILLAGE, CA 91361-9829
(805) 379-3155 (800) 877-3735 FAX (805) 379-4551

	10BASE T RS/422/423	100BASE T Ethernet CAT5/5E	1000BASE T Ethernet CAT6	Power over Ethernet	RS-232	Digital, ISDN DDS, T-1/E-1 CSU/DSU, DSL	Analog Dial up/Modem Fax
STD. CLAMP VOLTAGE	7.5 VOLTS	12 VOLTS	7.5 VOLTS	Pins 1, 2, 3, & 6 - 7.5 Volts Pins 4, 5, 7, & 8 - 60 Volts	18 VOLTS	60 VOLTS	240 VOLTS
PEAK PULSE CURRENT 10/1000 us s.c. wave form @Vcl	132 AMPS	97 AMPS	132 AMPS	Pins 1, 2, 3, & 6 - 132 Amps Pins 4, 5, 7, & 8 - 50 Amps	60 AMPS	50 AMPS	75 AMPS
RESPONSE TIME	----- LESS THAN 5 NANoseconds -----						
MAXIMUM SHUNT CAPACITANCE	<40pF	<25pF	<5pF (device only)	<25pF (Ethernet lines only)	<40pF	<75pF	<95pF
ELECTRICAL SPECIFICATIONS						(Subject to change without notice)	

	WIRES PROTECTED	10BASE T ETHERNET	100BASE T ETHERNET	RS422/ RS423	RS232	CSU/DSU	ISDN	DDS	DSL	T1	DIAL-UP MODEM/FAX	1000BASE T Ethernet CAT6	Power over Ethernet
RJ-11	2 WIRE, 2 CENTER PINS	X	X	X	X	X	X	X	X	X	MTJ02G/RJ11	X	X
	4 WIRE, 4 CENTER PINS	X	X	MTJ04E/RJ11	X	X	X	X	X	X	MTJ04G/RJ11	X	X
	6 WIRE, ALL PINS	X	X	MTJ06E/RJ11	X	X	X	X	MTJ-DSL	X	MTJ06G/RJ11	X	X
RJ-45	1,2,3,6	MTJ04E/RJ45	X	X	X	X	X	X	X	X	X	X	X
	1,2,4,5	X	X	X	X	X	X	X	X	MTJ-T1 (1)	X	X	X
	1,2,7,8	X	X	X	X	X	X	MTJ-DDS (1)	X	X	X	X	X
	4 WIRE, 4 CENTER PINS	X	X	MTJ04E/RJ45-C	MTJ04T/RJ45	MTJ-ISDN* (1)	MTJ-ISDN* (1)	X	X	X	X	X	X
	8 WIRE, ALL PINS	MTJ08E/RJ45	MTJ-C5E	MTJ08E/RJ45	MTJ08T/RJ45	MTJ-DIGITAL	X	MTJ-DIGITAL	X	MTJ-DIGITAL	MTJ08G/RJ45	CAT6-PPC	MTJ-PoE 60V
SYSTEM APPLICATION AND MODEL NUMBER						(Special Configurations Available)							

(1) Not UL Listed * With pins 1 & 8 passed through



INSTALLATION

To install, insert the protector in series between the incoming communication line and the I/O port of the equipment to be protected. The protector ground wire must be connected to the metal chassis of the equipment being protected. Units should be installed at both ends of the data cable for the most effective protection.

CAUTION!

Ground wire must be grounded directly to the metal chassis of the equipment being protected. The equipment chassis must be connected to earth through a properly grounded AC power receptacle.

CYLIX CIRCLE OF PROTECTION WARRANTY

The Cylix Corporation offers our "Circle of Protection" Warranty which includes a \$25,000 Connected Equipment Guarantee, 5 Year Replacement Program and a Limited Lifetime Warranty. This warranty applies only to serialized products registered with The Cylix Corporation and is subject to certain disclaimers and limitations. For a complete warranty statement, please visit www.cylux.com

All specifications and dimensions are subject to change without notice.
Cylix Corporation 5/05