

Ideal for LAN Hubs, Concentrators and Multipoint Interfaces

Introduction

The EDDP Series of data communication line protectors will ensure the reliable operation of hubs, bridges, routers, switches and other networked equipment running 10Base-T and 100Base-T Ethernet, RS-422, RS-423, RS-232, Analog Dial-up, CSU/DSU, DDS, ISDN, T1 and most other communication environments.

EDDPs 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

Transient surges can enter electronic equipment through any pathway provided. If a facility has a reliable AC power protection system in place, transient surge energies can still be generated within a building by sources such as inductive load switching, ground loop currents and electrostatic discharge. These surge energies are clamped by the AC power protector into the communication ground, damaging expensive communications hardware.

Eaton protectors are specifically designed to give added security to electronic devices with extremely low tolerance for voltage rises or ground loop energies. This protection is particularly important for equipment networked at distances greater than 30 feet and installations in high lightning areas.

EDDP models protect virtually any communication interface including: 10Base-T and 100Base-T Ethernet, RS-422, RS-232, RS-423 and most high speed LAN/WAN interfaces. Combined into a compact interface unit, the devices exhibit an extremely fast response time of less than 5 nanoseconds.

All these features make EDDP protectors the most cost-effective and versatile devices of their kind available today. Whether you need to protect a single communication line, or an entire installation, Eaton's EDDP Series protectors are an easy, cost-effective solution to overvoltage problems.

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.

Warranty

Eaton Corporation offers a standard 5-year warranty for data communications surge protection. For more information, visit www.EatonElectrical.com.

Electrical Specifications

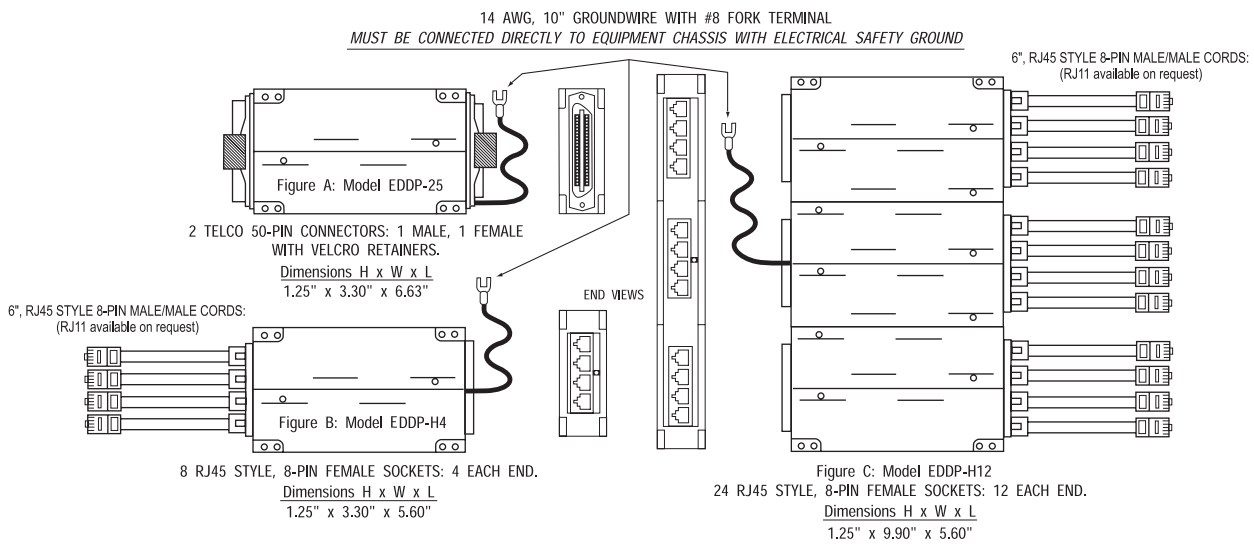
Specification	Standard Clamp Voltage	Peak Pulse Current (10/1000 us s.c. Waveform @ Vcl)	Response Time	Maximum Shunt Capacitance
10/100Base-T RS-422, RS-485, RS-423	7.5 Volts	132 Amps	< 5 Nanoseconds	<40 pF
RS-232	18 Volts	60 Amps	< 5 Nanoseconds	<40 pF
CSU/DSU Non-Span T1 (Fused)	60 Volts	50 Amps	< 5 Nanoseconds	<75 pF
Dial-up Modem/Fax (Fused)	240 Volts	75 Amps	< 5 Nanoseconds	<95 pF

System Application and Catalog Number [Ⓢ]

Connector Type	10Base-T Ethernet, RS-422, RS-485, RS-423	100Base-T	RS-232	CSU/DSU Non-Span T1 (Fused)	Dial-up Modem/Fax (Fused)
Single RJ21 Protects 25 Pairs (50 Wires) Figure A	EDDP-25-E	—	EDDP-25-T	EDDP-25-B	EDDP-25-G
Double RJ21 Protects 50 Pairs (100 Wires) Not Shown	EDDP-50-E	—	EDDP-50-T	EDDP-50-B	EDDP-50-G
4-Position RJ45/RJ11 Hub Protector (Figure B)	EDDP-H4-E	EDDP-H4-E-C5	EDDP-H4-T	EDDP-H4-B	EDDP-H4-G
8-Position RJ45/RJ11 Hub Protector (Not Shown)	EDDP-H8-E	EDDP-H8-E-C5	EDDP-H8-T	EDDP-H8-B	EDDP-H8-G
12-Position RJ45/RJ11 Hub Protector (Figure C)	EDDP-H12-E	EDDP-H12-E-C5	EDDP-H12-T	EDDP-H12-B	EDDP-H12-G

[Ⓢ] See Ordering Guidelines below.

Note: Special configurations available.



Note: All specifications and dimensions are subject to change without notice.

Ordering Guidelines

Note: Do not include any dashes, brackets or hyphens in the catalog numbers when ordering.

Example: EDDP-H4-T = EDDPH4T.

