



ST-RS/DB Series

Ideal for Subminiature D and Centronics Communication Ports

This series of Subminiature D interface protectors ensures the reliable operation of parallel and serial devices such as printers and external modems, point-of-sale terminals, mainframes, dumb terminals and most other devices using Subminiature D or Centronics connectors, which are sensitive to destructive transient energies. Standard applications include Ethernet, Token Ring, RS232, RS422 and LAN/WAN interfaces. Special applications can be accommodated through our Custom Products Group.

FEATURES

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

BENEFIT

- Affordable, superior, equipment protection
- Improved reliability resulting in less down time
- Protection at the interface card
- Adaptability to most industry applications

Transient surges can enter electronic equipment through any pathway provided and damage expensive communications hardware. 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. AIP Series protectors combine compact enclosures with extremely fast response times of less than 5 nanoseconds. They are specifically designed to give added security to electronic devices sensitive to voltage rises or ground loop energies and have been particularly effective in areas prone to lightning activity. Standard Centronics and Subminiature D (9 & 25 pin) interface connectors are available in configurations protecting all pins or specific pins as required. All these features make the AIP protectors the most cost effective and versatile devices of their kind available today.

ORDERING INFORMATION

To order a RS/DB series unit, choose the connector type that accommodates the system application to be protected.

NOTE

Special units can be supplied for any voltage between 7.5 V and 240 V. The following information must be specified when ordering special units:

- Connector type and pin assignment (ex., DB9 pins (1),2,3,4 & 7) () = pin designated as chassis or earth ground
- System application (ex., RS232)

INSTALLATION

To install, insert the protector in series between the incoming communication lines 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

5 Year Limited Warranty

For a complete warranty statement, please contact Energy Control Systems.. All specifications and dimensions are subject to change without notice.

SUBMINIATURE D INTERFACE PROTECTION

ELECTRICAL SPECIFICATIONS (CONTACT ALLTEC FOR SPECIAL CONFIGURATIONS)					
	ETHERNET	RS422	PARALLEL	RS232	TOKEN RING
STD. CLAMP VOLTAGE	7.5 VOLTS	7.5 VOLTS	7.5 VOLTS	18 VOLTS	18 VOLTS
PEAK PULSE CURRENT 10/1000 us s.c. wave form @Vcl	132 AMPS	132 AMPS	132 AMPS	60 AMPS	60 AMPS
RESPONSE TIME	----- LESS THAN 5 NANoseconds -----				
MAXIMUM SHUNT CAPACITANCE	<30pF	<30pF	<30pF	<30pF	<30pF

SYSTEM APPLICATION AND MODEL NUMBER			
DB 9 SERIES	PINS PROTECTED	RS422/RS423/RS485	RS232
	PROTECTS ALL	ST-DB9-RS422	ST-DB9-RS232
DB 25 SERIES	STANDARD PIN CONFIGURATIONS	RS422/RS423 RS485/RS530	ST-RS232
	25 WIRE ALL 25 PINS PROTECTED	DB 25-RS422	DB 25-RS232
	4 WIRE PINS (1), 2, 3, 7, 20	X	425-R232
	8 WIRE PINS (1), 2, 3, 4, 5, 6, 7, 8, & 20	X	825-RS232