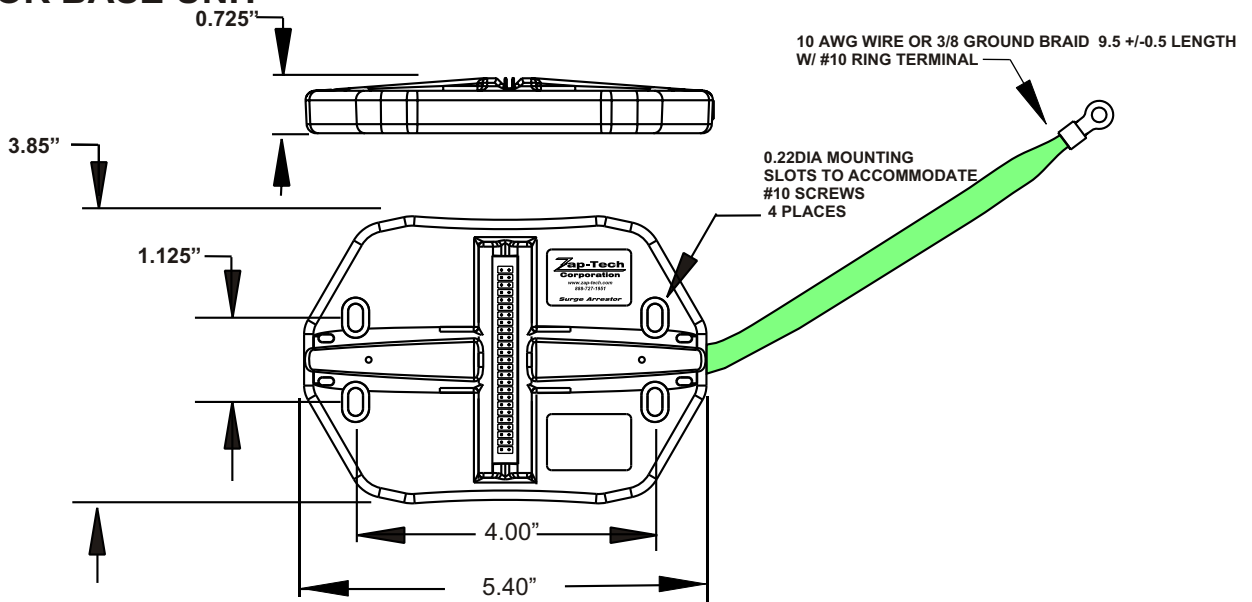


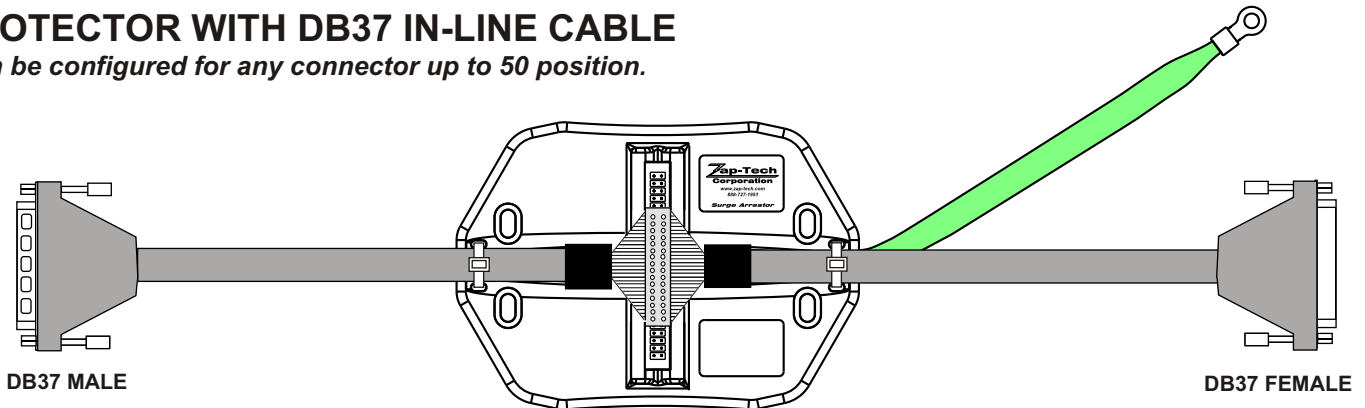
# MT SERIES SURGE PROTECTORS

## MT PROTECTOR BASE UNIT



## MT PROTECTOR WITH DB37 IN-LINE CABLE

Units can be configured for any connector up to 50 position.



## INFORMATION NEEDED TO ORDER AN MT SERIES PROTECTOR

- 1) Connector type, gender and pin outs for each end.
- 2) protector cord length required.
- 3) System being protected; example: (Rs232, RS422, etc).

Custom Surge protection is our specialty. Custom versions are available including mixed or special voltages, different connectors or wiring options. Contact us for details.

### ELECTRICAL SPECIFICATIONS

**MAXIMUM REPETITIVE SELF RESET SURGE:**  
3500 V, 1750 A for 100 pulses using 2V source.per: EN61000-4-5 Spec.

**MAXIMUM FAIL SAFE SURGE:**  
6000 Volts 3000 Amps for 100 pulses using 2V source.  
per EN61000-4-5 Specification. Exceeds EN6100-4-5, level 4.

**CLAMPING VOLTAGES:**  
RS422: 7.5 Volts, RS232: 18 Volts, etc.  
Common Mode - (Line to Line) and Differential Mode - (Line to Ground).

**CAPACITANCE:**  
Line/Line: <40pF, Line/Ground: <40pF.

**COMPONENT RESPONSE TIME:**  
Less than 10 Nanoseconds.

**OPERATING ENVIRONMENT:**  
(-40C TO +85C) Max Continuous Power Limit: 3 Watts)

### INSTALLATION:

Zap-Tech protectors should be installed in series with the incoming communication line at the port of the equipment being protected. The protector's grounding strap must be connected to the chassis ground of the protected equipment.

### IMPORTANT!

It is important that the protector and the chassis of the equipment to be protected are both properly grounded to a properly earthed electrical safety ground via the equipment's 3-prong power cord and/or a ground wire of 14 AWG or larger. Keep wire length to a minimum. Protectors should be installed at both ends of communication lines to ensure equipment protection at each end.

All specifications are subject to change without notice.  
Detailed specifications for specific versions available on request.  
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