

RJ SERIES SURGE PROTECTORS

ELECTRICAL SPECIFICATIONS

MAXIMUM REPETITIVE SELF RESET SURGE:

3500Volts,1750 Amps for 100 pulses using 2V source.
per: EN61000-4-5 Specification (all lines common mode).

*MAXIMUM FAIL SAFE SURGE (all lines common mode):

4000 Volts 2000Amps for 100 pulses using 2V source.
per EN61000-4-5 Specification. Exceeds EN6100-4-5, level 4.

CLAMPING VOLTAGES:

Common Mode - Line to line.

Differential Mode - Line to ground.

*CAPACITANCE:

Line/line: <40pF.

Line/Ground: <40pF.

COMPONENT RESPONSE TIME:

Less than 10 Nanoseconds.

OPERATING TEMPERATURE:

(-40°C TO +85°C).

*Applies to all devices except 62V.

PART NUMBER SELECTION OPTIONS:

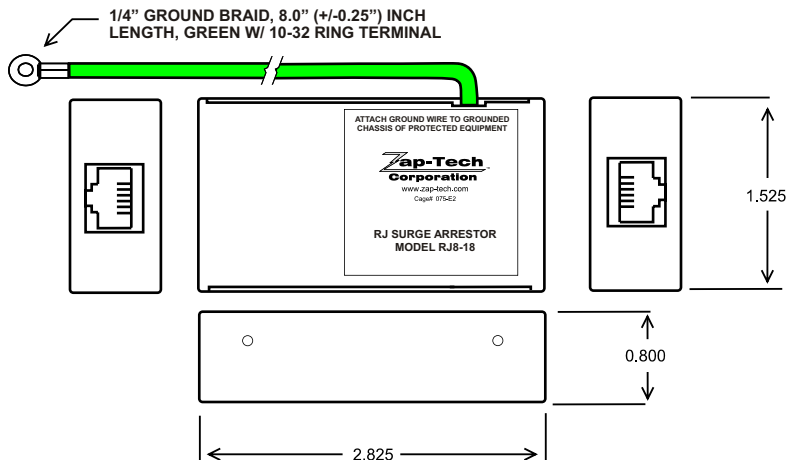
Format: RJ4-18DC

RJ(# of wires)-(clamp voltage)

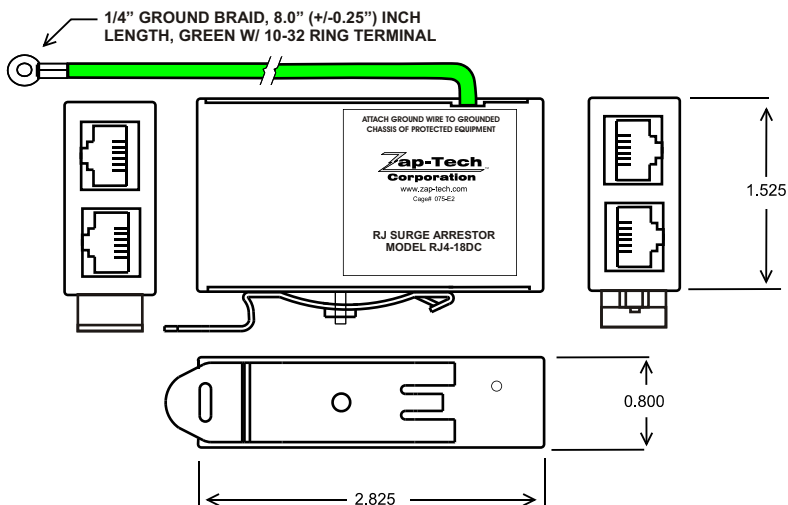
(D for double port) (C for DIN Clip)

APPLICATION	MODEL	MAX OPERATING VOLTAGE	CLAMP VOLTAGE
RS422, RS485	RJ()-7	5.5V	7V
ETHERNET, POWER OVER ETHERNET (POE)	RJEN-M SINGLE PORT ONLY	57V	7V (1236) 62V (4578)
RS232, RS423 DIGITAL CURRENT LOOP	RJ()-18	16.0V	18V
ANALOG CURRENT LOOP	RJ()-27	25.5V	27V
LEASED LINE, ISDN, T-1, DDS	RJ()-62	60.0V	62V

MECHANICAL SPECIFICATIONS



SINGLE PORT IN-LINE PROTECTOR
ETHERNET PoE MODEL RJEN-M (Available in single port only).



RJ45 DOUBLE PORT IN-LINE PROTECTOR
SHOWN WITH OPTIONAL DIN RAIL MOUNTING CLIP
MODEL RJ4-18DC

SINGLE AND DOUBLE PORT PROTECTORS

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

OPERATION:

The Zap-Tech protector will repetitively protect and reset without degradation up to its maximum repetitive self-reset surge. If it is subjected to more than its maximum repetitive self-reset surge, the device will remain in a clamped mode indicating that it should be removed or replaced while keeping the equipment safe from subsequent surges.

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 wire 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. 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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Zap-Tech
Corporation

1-888-727-1951
www.zap-tech.com