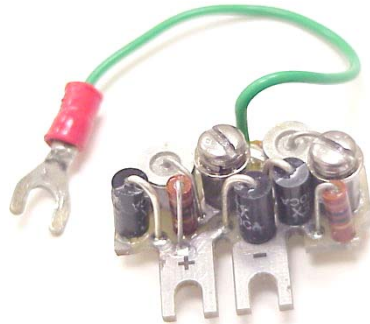


SPT-10R SERIES

ROSEMOUNT TRANSMITTER STANDARDIZED HEAD / ELECTRONIC SURGE SUPPRESSOR



(The SPR-10R Series shown here is specific to the standardized terminal head Rosemount transmitters. For older Rosemount transmitter models select the SPR-XXR Series, which is designed specifically for various Rosemount transmitter models.)

FEATURES:

- ▶ Easy, fast installation inside Rosemount transmitters with standardized terminal head, P/N 03031-0332-0003.
 - ▶ Exceeds severity level 4 of IEC/EN 61000-4-4 (provides 2.5 kA / Line of surge protection).
 - ▶ Mounts on existing terminal block inside the Rosemount Transmitter.
 - ▶ Sub nanosecond response time stops failures due to lightning induced transients, spikes and over-voltage while minimizing other electrical noise.
 - ▶ Space efficient protector is conformal coated to protect from environmental contaminants, solvents, abrasives, and humidity providing a moisture proof seal to ensure operating stability for the transmitter.
 - ▶ Unique multi-stage design provides the most effective suppression available.
 - ▶ Automatic reset and fail safe design requires no maintenance. Eliminates "Out of Service" downtime and repair/replacement costs caused by damaging electrical surges.
 - ▶ Superior protection at an affordable price
-

Applications:

The SPT-10R Series is designed to protect the Rosemount Transmitters from lightning induced transients, over voltages and electrical spikes. Select the model according to the operating voltage from the table found on the reverse side of this data sheet.

If the SPR-10R does not fit in your Rosemount Transmitter– try other standard suppressors models such as those included in the SPT-XXR Series also try the SPT-42U/43U Series or the SPN-42/43 Series.

Typical Installation:

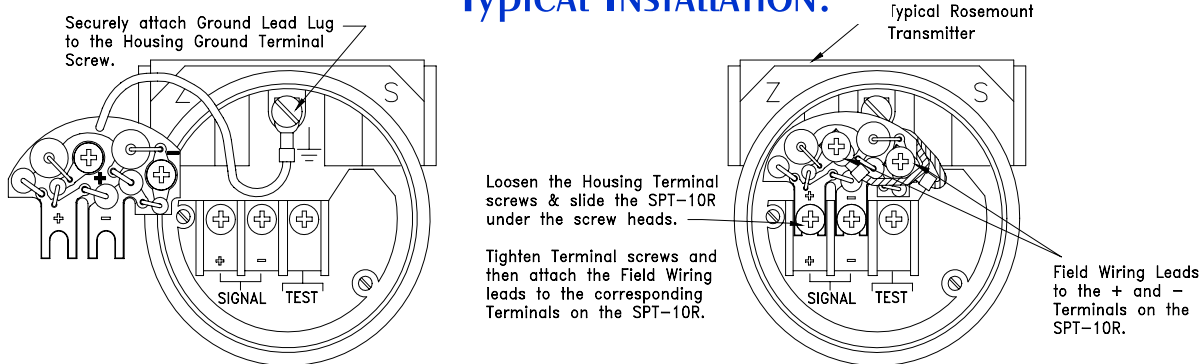
The SPT-10R Series installs on the existing terminal block inside the Rosemount transmitter utilizing a standard blade screwdriver. Mount the protector as illustrated, using the hardware provided. Although maintenance is not required, the instrument zero should be checked after installation.

SPT-10R SERIES OPERATING SPECIFICATIONS:

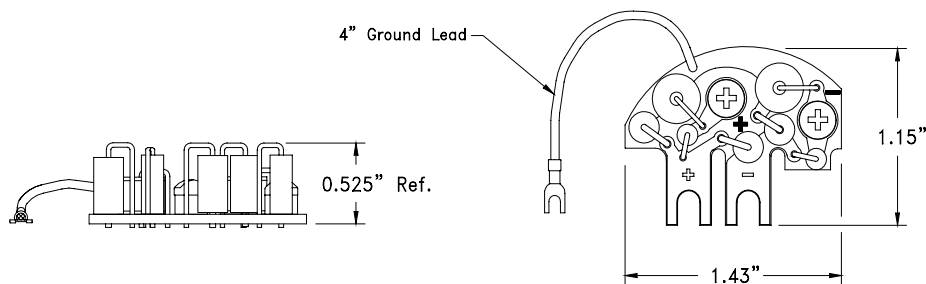
Specifications	SPT-10R14	SPT-10R25	SPT-10R28	SPT-10R36
Operating Voltage	12 Volts	24 Volts	28 Volts	36 Volts
Maximum Operating Voltage	14 Volts	27 Volts	30 Volts	38 Volts
Maximum Operating Current	200 mA	200 mA	200 mA	200 mA
Min. Clamping Action Turn-On	14.3 Volts	28.5 Volts	31.4 Volts	40.9 Volts
Maximum Clamping at 2 kA (8 x 20 μ Sec)	22 Volts	44 Volts	46 Volts	58 Volts
Maximum Surge Voltage	20 kV	20 kV	20 kV	20 kV
Maximum Surge Current (8 x 20 μ Sec)	2.5 kA	2.5 kA	2.5 kA	2.5 kA
Current Leakage/Line At Operating Voltage	5 μ A	5 μ A	5 μ A	5 μ A
Capacitance/ Line At Rated Voltage	2000 pF	500 pF	500 pF	500 pF
Response Time	Less than 1 nanosecond			
Operating & Storage Temperature	-40 °C to +85 °C			

Consult factory to select other operating conditions or specifications. All specifications at 25 degrees Celsius.

Typical Installation:



Outline Dimensions:



Circuit Components, Inc.
 2400 S. Roosevelt Street Tempe, AZ • 85282
 Tel: 480-967-0624 • Fax: 480-967-9385
 Email: info@surgecontrol.com • Website: www.surgecontrol.com

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