



ELECTRONIC PRESSURE MEASUREMENT PRODUCTS

Model 88 Lightning and Secondary Surge Protection

DESCRIPTION

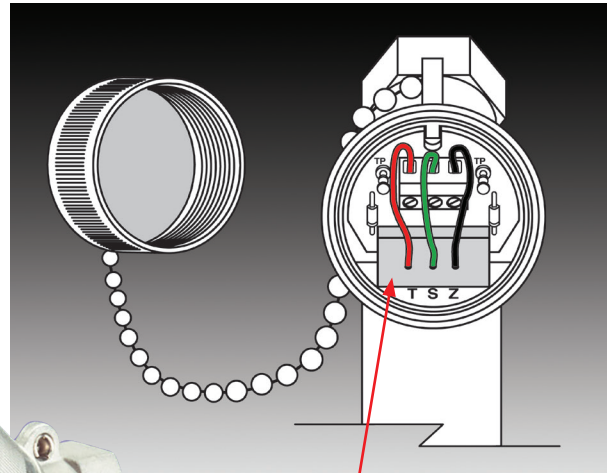
These low-cost lightning protection units are easy to install in the head of the transmitter. If an unexpected lightning or secondary surge should occur on the power/signal line, the unit will clamp the lines, preventing any excessive voltage from damaging the transmitter. This saves you the cost of down-time and replacement.

The lightning protection units are completely maintenance-free. They are for use on our Model 88 4 to 20 mA Transmitters, up to 40 VDC line to line and either line to ground. Protection is provided between red and green, black and green, and red and black wires. Either polarity of surge is equally clamped.

FEATURES

- Protection for Model 88 transmitters (shown at right)
- Nanosecond, bipolar response
- Powerful surge protection
- Small, compact size
- New or existing installation
- Enhances system integrity
- Reduces downtime
- Maintenance free

**Model 88
Transmitter**



Part #Z100521

**Lightning Protection Unit
From AMETEK PMT**

This or any installation cannot protect against a direct lightning strike or secondary strikes of sufficient magnitude. AMETEK cannot accept responsibility for damage due to lightning or secondary surges. Proper installation including grounding requires detailed installation drawing. Consult factory for #AK796334.



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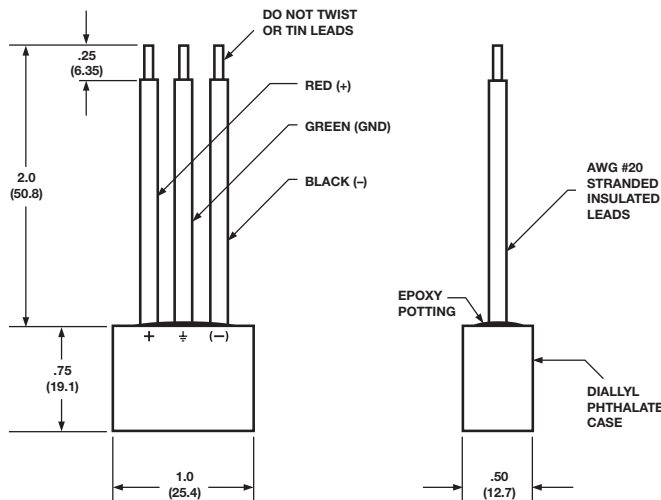
SPECIFICATIONS

Surge Current Rating: 30,000 amperes on 8x20 μ s wave

Response Time: Less than 1 nanosecond

Leakage: Very low (in the microampere range)

**INCHES
(MM)**



Performance	
Surge Current	Clamping Voltage, Line to Line, Line to Ground
.001 amp	60V
.01 amp	68V
.1 amp	68V
1 to 10000 amps	68V initially, then drop to 30V arcing voltage of gas tube

To order please use Part No. Z100521 (includes kit plus instruction sheet)

