TRANSTECTOR

Installation Instructions

I²R IEP 48-5

an INFINITE company

Warning

1. RISK OF ELECTRICAL SHOCK!
2. Disconnect before servicing.
3. Service to be performed by qualified personnel only.

Thank you for your recent purchase of our surge protection solution.

Your satisfaction with our product and service is important to us.
If you have any questions, comments or concerns, please contact us at 800.882.9110 or visit our website at www.transtector.com.
We look forward to continuing to serve your protection needs.

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I²R IEP 48-5

The I²R IEP 48-5 is a Type 2 SPD with a replaceable module for 48 Vdc systems. This SPD offers bidirectional silicon avalanche diode suppression technology and is typically installed to protect 48 Vdc power supplies from over-voltage caused by transients. The replaceable SPD module features visual status indication. The normally green indicator turns red if module needs replacement. Electrically isolated Form C dry contacts provide remote monitoring capability. If the lightning protection zone concept is used, this SPD installs at the boundary of LPZ1 and LPZ2. Protection mode: V+ - V-.

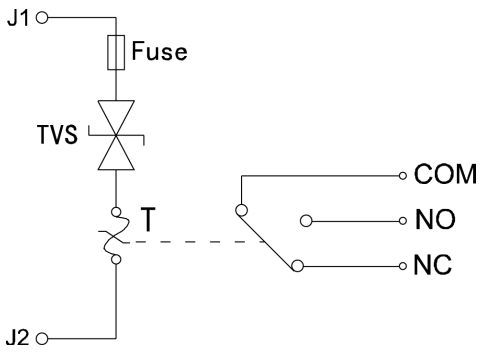
INSTALLATION AND WIRING INSTRUCTIONS:

1. Install only in a restricted access power distribution cabinet that requires a key or tool to open.
2. The SPD should only be installed by a licensed electrician.
3. All local and national electric codes must be observed.
4. Kelvin or 'V' connections are recommended.
5. Keep wires as short as possible (maximum length ≤0.5m) and free of sharp bends.
6. Before installation, shut off power to prevent accidental electrical shock or injury.
7. The ground conductor should be insulated stranded copper greater than 10 mm² (#6 AWG) diameter. The power conductors should be insulated stranded copper greater than 6 mm² (#10 AWG) diameter. The load capacity of the conductor must be sized according to the load. Reference IEC 60364-5-532.

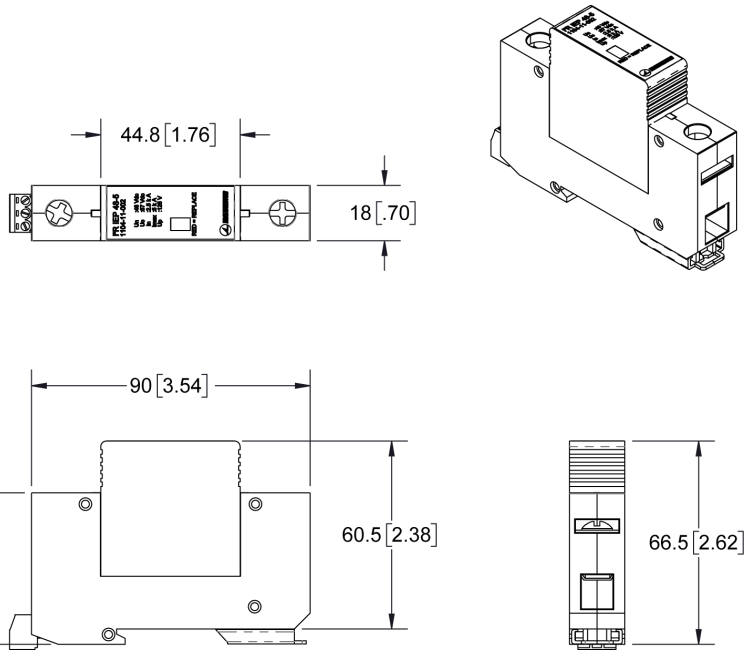
USAGE AND MAINTENANCE:

The SPD should be scheduled for periodic inspection to ensure the SPD is operational, the module is secure in the base and all wire connections are tight.

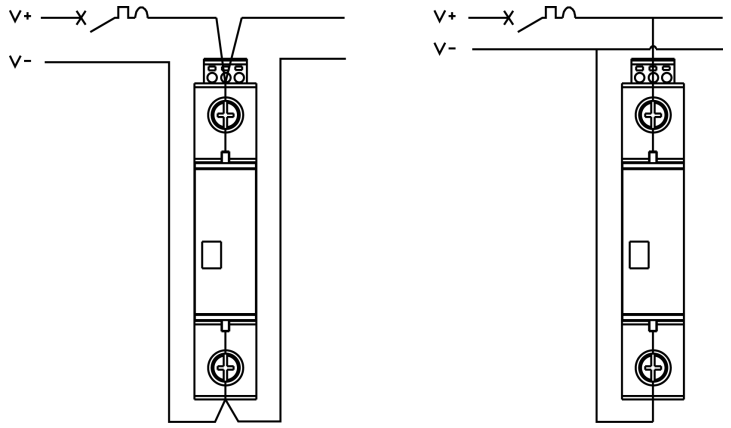
To replace damaged SPD, contact +1.208.772.8515 or 1.800.882.9110, or online at www.transtector.com.



Schematic



Dimensions



Wiring Diagram