TRANSTECTOR

Installation Instructions

SuperHy 240W CM

an INFINITE company

Warning

1. Risk of electrical shock.
2. Ensure power is disconnected prior to installation.

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.

800.882.9110 | 208.772.8515 | www.transtector.com

Installation Instructions

SuperHy 240W CM

Modular 240 Vac three phase common mode panel protector in an outdoor IP65 rated enclosure. Offering premium hybrid technology protection; each L-N path has SASD with a circuit shunt MOV, the N-PE path has Spark Gap. Each suppression module features visual status indication. The indicator is normally black, and turns red if module needs replacement. Electrically isolated Form C dry contacts provide remote monitoring capability of the L-N modules. Protection modes; L-N, N-PE.

Installation Guide:
DANGER - ELECTRIC SHOCK OR BURN
- Install in a location protected from direct sun.
- This SPD should only be installed and serviced by qualified electrical personnel.
- All National and Local Electric Codes must be observed.
- Confirm that the SPD is rated for the voltage of the application.
- Before installation, turn off all power to equipment to prevent accidental electrical shock or injury.
- Replace all covers and doors before restoring power to this equipment.

General Wiring Instructions:
Kelvin or 'V' connections are recommended. Keep all wires as short as possible (less than 0.5 m) and free of sharp bends. Before installation, shut off power to prevent accidental electrical shock or injury. Over-current protection device should be used on the power supply side of SPD. Reference IEC 60364-4-43. The ground conductor should be insulated stranded copper greater than 25 mm² (#4 AWG) diameter. The power conductors should be insulated stranded copper greater than 16 mm² (#6 AWG) diameter. The load capacity of the conductor must be sized according to the load. Reference IEC 60364-5-532.

System Configurations:
Determine the preferred connection configuration and then install per the appropriate wiring illustrations. (See Figures 2 & 3. Note: Enclosure removed for clarity)

Remote Annunciation:
Electrically isolated Form C dry contacts provide remote monitoring capability. The removable plug accepts #16 - #30 AWG wire. The maximum continuous current rating for the remote indicator is 3A. Strip the wire 0.25", and torque the terminal screw 0.75 ft-lb. (See Figure 4)

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.
If SPD is damaged, contact Transtector for replacement at +1.208.772.8515 or 1.800.882.9110, or online at www.SmithsPower.com.

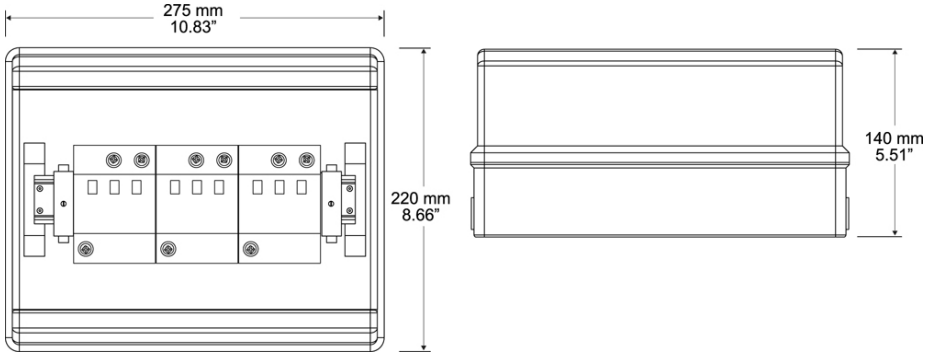


Figure 1 - Structure

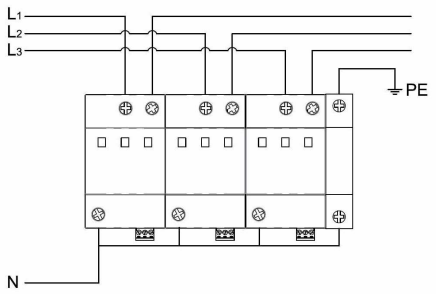


Figure 2 - Kelvin Connection

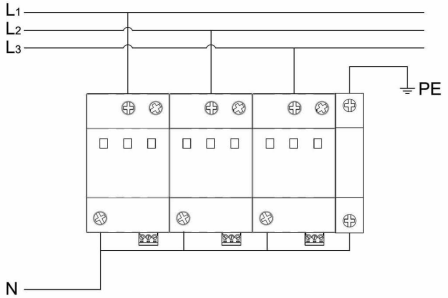


Figure 3 - Parallel Connection

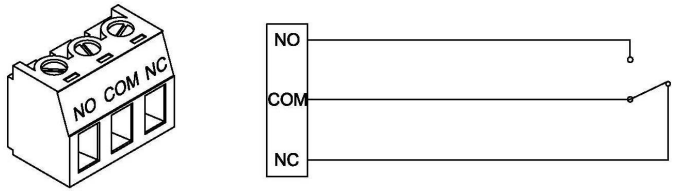


Figure 4 - Remote Contact Connections