

The first and only truly scalable transient voltage surge suppressor designed to provide ultra low line capacitance with superior protection. Ideal for moves, adds, and changes in system layout, these modules maintain system integrity by protecting against transients introduced into the wiring serving your sensitive electronics.

Reduce downtime associated with power surges and lightning strikes, prevent interruption of recurring monthly revenue based systems, and eliminate non-billable service calls and expensive repairs by protecting your equipment with these invaluable modules that satisfy NFPA72 12.2.3.3, NFPA70 760.32, and NFPA70 805.90 Part III (A).



Features

- Fully scalable and field swappable
- Single point grounding
- Hybrid electronics SAD and GDT
- 12 AWG green ground strap
- Polycarbonate plastic case
- Removable terminal connections

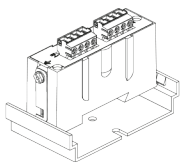


Applications

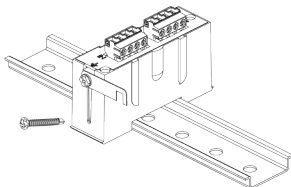
- Fire and life safety
- Video surveillance
- Access control
- Voice/data and building automations
- Gate access
- IP and networks

Specifications

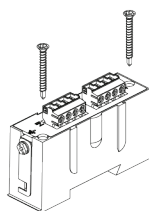
Transient voltage surge protection devices will be UL 497A or B listed device. Each unit shall be field replaceable and provide transient and over voltage protection on all electronic components. The device will employ a single ground bus with single point of ground termination and a 12AWG green ground strap with lug ring conector. All electronics shall be encased in an ABS polycarbonate type AF-312 enclosure for protection. Each device will have pluggable terminal connectors rated from 12-26 AWG with a scalable design that interlocks with other like devices. Mounting options shall be direct screw-in, Snap Track, or standard DIN rail mounting.



Snap Track Mount



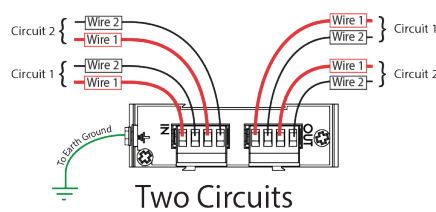
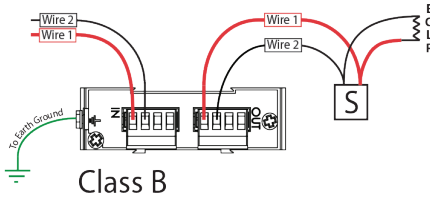
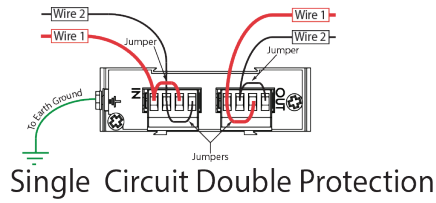
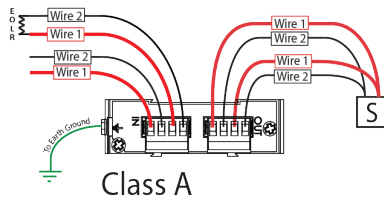
35mm Din-Rail Mount



Screw Mount



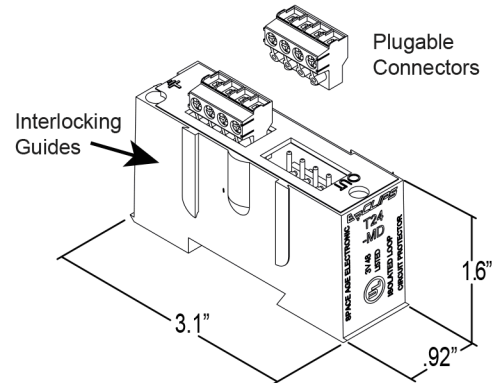
Wiring Diagrams



Performance Specifications

- Maximum Surge Current:** 10,000A
- Clamping Response:** <1Pico Second
- Circuit Protected:** 2 Circuits 4 wires
- Current Limiting:** TDG - No
- Max Continuous Current:** TDG - 5A
- Connection Type:** Screw terminal
- Termination Rating:** 12AWG – 26AWG
- Capacitance:** 35pF per circuit
- Installation:** Series Device
- Operating Temp:** 45C/113F
- Max Humidity:** 85%
- Weight:** 2.08oz

Dimensions



Ordering Information

P/N#	Voltage	RMS Voltage	Dissipation	MCOV
T05-DG	5.8v	4.1VAC	25j	6v
T12-DG	13v	9VAC	32j	14.4v
T24-DG	26v	18VAC	40j	28.8v
T32-DG	32v	22VAC	58j	36v
T36-DG	37v	26VAC	63j	36.8v
T48-DG	48v	34VAC	80j	57.6v
T70-DG	70v	50VAC	132j	84v
T90-DG	94v	67VAC	160j	108v
T120-DG*	128v	90VAC	212j	144v

*T120-DG is NOT rated for 120VAC mains power. 120VAC has a peak voltage of 170V, which exceeds this T120-DG's 144V MCOV and will damage the device.