

AVAILABLE MODEL NUMBERS

Application	Nominal Voltage	Configuration	
		2-Pair (4W + Shield + G)	4-Pair (8W + Shield + G)
CAT5/6; RS422	5V		TSdt RJ45 D01 005
RS232; RS485	12V	TSdt RJ45 D01 012	
POE-A	48V POE-A		TSdt RJ45 D01 048 POEA
Phone, Fax, DSL	150V		TSdt RJ45 D01 150

ELECTRICAL SPECIFICATIONS

Nominal Voltage	4 Options
Max. Operating Voltage (MCOV)	4 Options
Max. Surge Current	40kA
Max. Line Current (OCPD Size)	30A
Max. Frequency	> 3MHz
Max. Data Rate	4 Options
Insertion Loss	< 1dB
Operating Temperature	-35°C to 60°C

MECHANICAL SPECIFICATIONS

Termination Method	Shielded RJ45 Connectors
Disconnect Indication	Transmission Interrupt
Housing	Aluminum / NEMA 2 (IP20)
Dimensions	Fig. C - 1.34"W x 1.73"D x 2.17"H
Mounting	35mm Symmetrical DIN Rail
Outdoor Use	No

LIMITED SUPPRESSION WARRANTIES

THOR SYSTEMS, INC. warrants to the original purchaser/end user that this Surge Protective Device (SPD/TVSS), if purchased and used solely in the continental United States, will be free from defects in materials and workmanship for a period of five (5) years from the date of purchase. During such limited warranty period, THOR SYSTEMS will not charge the original purchaser/end user to repair or replace the product, or a part or component therein (with the same or a similar product, part or component) at THOR SYSTEMS' option, any product, part or component which proves to have a defect in materials or workmanship, provided the product, part or component is returned prepaid, at the cost and expense of the purchaser/end user, to THOR SYSTEMS, INC.'S manufacturing facility in Richmond, Virginia, within the limited warranty period. All costs and expenses incurred in connection with the removal, shipment, handling and reinstallation of the repair or replaced product, part or component, as well as diagnosis, shall be borne by the purchaser/end user. A Return Material Authorization (RMA) number must be obtained from the Company's customer service department before returning any products.

At the request of the purchaser/end user, and at the cost and expense of the purchaser/end user (at our currently published rates, portal-to-portal), and with reasonable expectation of payment, THOR SYSTEMS, INC. will: (a) provide assistance in the diagnosis, removal, and reinstallation of a repaired or replaced product, part or component; (b) undertake to repair or replace any product, part or component at a location other than THOR SYSTEMS' manufacturing facility in Richmond, Virginia.

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Series TSdt RJ45

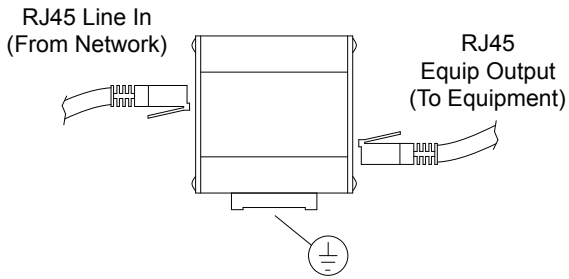
Operation Manual



** Image is not model specific **

THOR SYSTEMS continuously strives to improve its products. Occasionally there may be changes in features or optional equipment. All information contained in this printed material is based on the latest product information available at the time of printing. THOR SYSTEMS reserves the right to implement changes, without notice, in specifications and equipment services.

Fig. A__ - CONNECTION METHOD

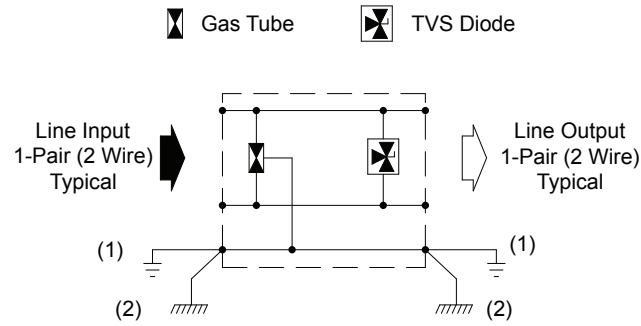


Connector Pinouts:

12v Models: [3-6][4-5]

All Other Models: [1-2][3-6][4-5][7-8]

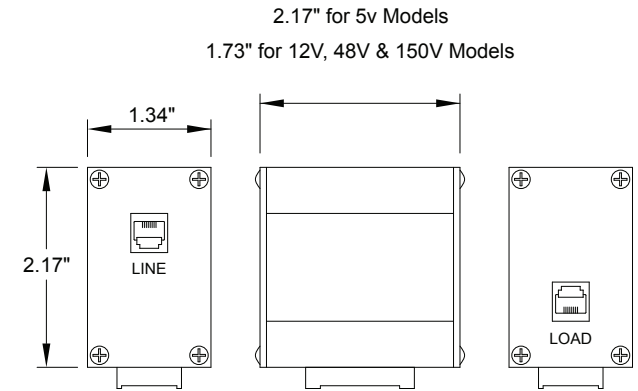
Fig. B - TECHNOLOGY / SCHEMATIC



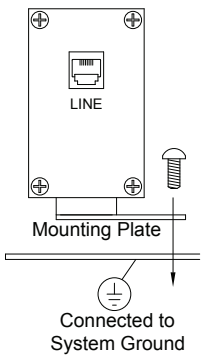
(1) Ground Connection via DIN Rail Clip

(2) Shield Connection, if required, via RJ45 Connector

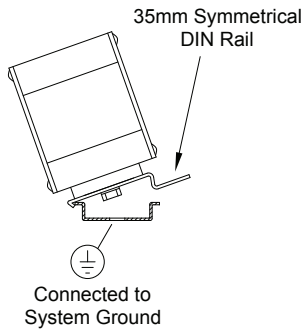
Fig. C - DIMENSIONS



GROUNDING PANEL

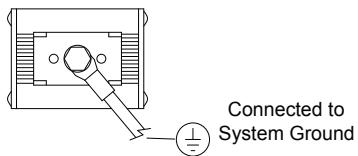


DIN RAIL



Bottom View

HARD WIRED



SPD FAILURE INDICATION

SPD Failure Indication:

If you experience an interruption to your network service, that could indicate your SPD has failed. If it is determined that the service interruption is due to a failed SPD, replace or bypass the failed SPD to restore service.

