

TVL Series DC1 Voltage Transducer

The TVL DC1 series, by Aim Dynamics, is an optically isolated (4.5 kV) DC voltage sensing device that is rated at 1000Vdc. The DC1 outputs a corresponding 0-5 Vdc, 0-1 Vdc, 0-0.5Vdc or 4-20 mA signal, depending on the option chosen.

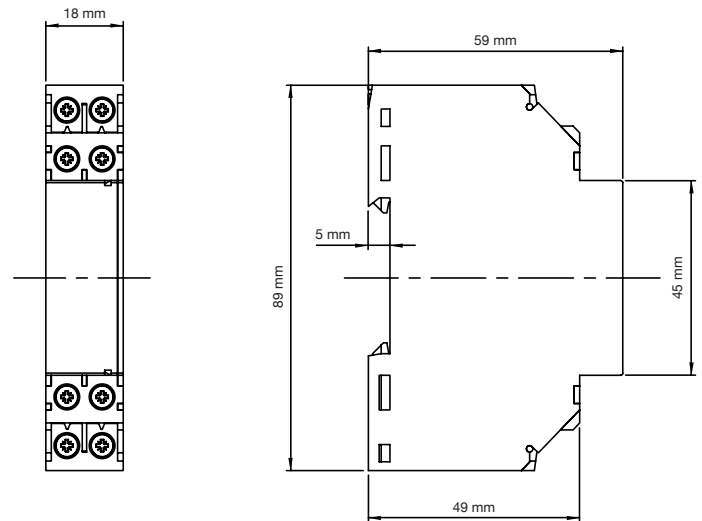
SPECIFICATIONS

Primary voltage range	50 – 1000VDC
Output	4-20mA or VDC (see available models)
Accuracy	1% over range
Linearity	0.5% over range
Response time	9 ms to 90% of the rated voltage
Working range	5 – 105%
Overload	150% continuous
Temperature	-30C to +70C operating
Humidity	90% operating
Isolation	4.5KV, 1 minute
Supply voltage	15 - 30 VDC
Mechanical	DIN EN 50 022 or wall mounting
Dimensions	0.709"W x 3.504"H x 2.126"D
Warranty	7 years
Safety	Conforms to UL 61800-5-1 and CSA C22.2 No. 14

FEATURES

- Isolated 1000 Vdc Input
- 4-20Ma or Voltage Output
- Din Rail Mounting
- 1% Accuracy
- Screw Type Terminals
- Low Response Time
- Cost-Effective

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APPLICATIONS

- Solar string monitoring
- Power sensing
- Over/under voltage monitoring
- Battery & energy storage

AVAILABLE MODELS

- DC1-5V (0-5VDC Output)
- DC1-1V (0-1VDC Output)
- DC1-0.5V (0-0.5VDC Output)
- DC1-10V (0-10VDC Output)
- DC1-4mA (4-20mA Output)