

TVL Series

DC10B Voltage Transducer

The TVL DC10B series, by Aim Dynamics, is an optically isolated (4.5 kV) DC voltage sensing device. It's rated at 100Vdc and outputs a proportional 0-5 Vdc.

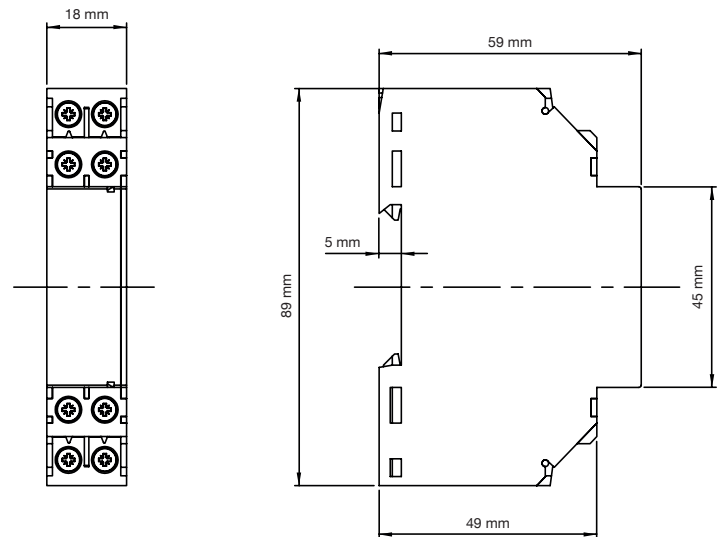
The DC1B series is a version of the DC1 that is designed for extreme environments, including temperature, humidity and EMI. Besides greater accuracy (.5%), the DC1B is immune to conducted pulses and spikes up to at least 5KV on both the supply voltage and the input. The board is conformal coated to reduce issues resulting from humidity and temperature stress. Applications include fuel cell voltage conversion, DC to DC motor drives and remote solar field monitoring. This is the recommended product for both outdoor and high noise environments.

SPECIFICATIONS

Primary voltage range	5 – 100VDC
Output	0-5 VDC
Accuracy	0.5% over range
Linearity	0.2% over range
Response time	9 mSec to 90% of 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 - 48VDC
Mechanical	DIN EN 50 022 or wall mounting
Dimensions	0.709"W x 3.504"H x 2.126"D
Warranty	7 years
Safety	ETL Listed; CSA C22.2; Conforms to UL508C

FEATURES

- Isolated 100 Vdc Input
- Voltage Output
- Din Rail Mounting
- 0.5% Accuracy
- Screw Type Terminals
- Low Response Time
- Cost-Effective
- Unique serial numbers on each unit
- Each batch comes with a test report covering each unit



APPLICATIONS

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

AVAILABLE MODELS

- DC10B-5V (0-5VDC Output)