

TRD-10

10A AC to 4 – 20mA Transducer

- *Loop powered Monitoring AC Current transducer
- *Converts a AC current to a proportional 4-20mA control signal.
- *INPUT RANGE 0 – 10 AAC
- *OUTPUT 4 – 20 mADC
- *Easy interface to PLC



Mode of Operation

The TRD-10 is a small AC current metering transformer with standardized 4-20 mADC output. This makes it very useful as an AC current interface to a PLC with 4-20 mADC input. In the (5A) range the TRD is often used as a signal converter for standard AC Current transformers with 10A AC secondary output.

General Specifications

- | | |
|-----------------------------------|------------------------------|
| • Isolation: | 2500V DC |
| • Accuracy: | 0.5% optional |
| • Protection Degree | IP20 |
| • Operation Temp | -20° to 50°C (-4° to +122°F) |
| • Current range | 0 – 10A AC |
| • Max. Current (continuously) | 16A AC |
| • Max. Overload current (t = 20s) | 20A AC |
| • Overvoltage category | III (IEC 60664) |
| • Frequency range | 40 Hz – 1 kHz |
| • Weight | 54 gr |

Output Specifications

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|--------------------------------------|-----------|
| • Output current (sink) | 4-20 mADC |
| • Maximum output current | 30mADC |
| • Tolerance of output current @50 Hz | ±2% |
| • Power supply (loop voltage) | 10-30 VDC |

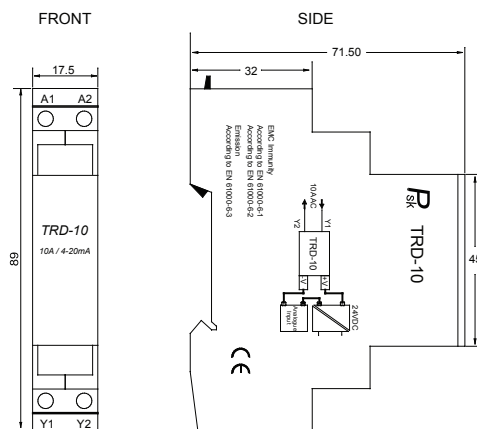
Housing

- Self-extinguishing plastic housing UL V0 acc IEC 529
- Mounting position: vertically
- Terminal: acc IEC 60947-7-1, IEC 60998-1
- Terminal Capacity: 1x4mm without multicore cable end
1x0.5 to 2.5mm with/without multicore cable end

Standart

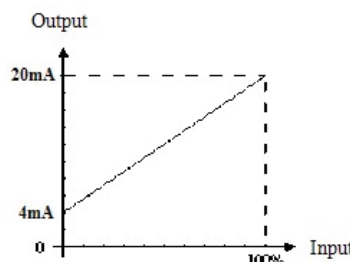
- | | |
|----------------|---|
| • CE Marking | Yes |
| • EMC Immunity | Electromagnetic Compatibility
According to EN 61000-6-1
According to EN 61000-6-2 |
| • Emission | According to EN 61000-6-3 |

Dimensions



Input / output Graph

Converts AC current to a proportional 4-20mA control signal.



Current input vs 4-20mA output

Ordering information

TDR-10