

TRD-5

5A 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 – 5 AAC
- *OUTPUT 4 – 20 mADC
- *Easy interface to PLC



Mode of Operation

The TRD-5 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 5A 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 – 5A 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: 54gr

Output Specifications

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

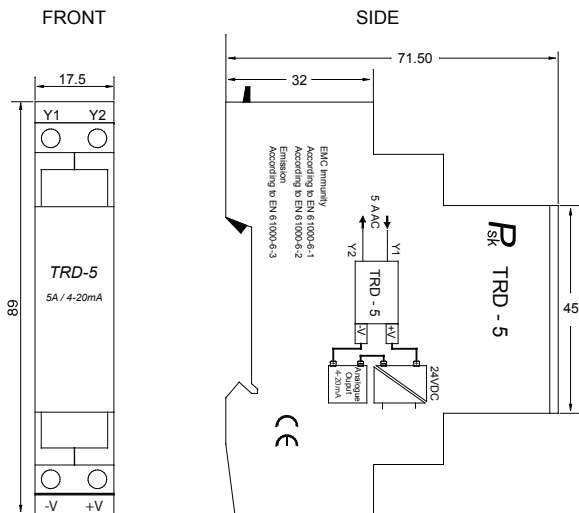
Housing

- 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

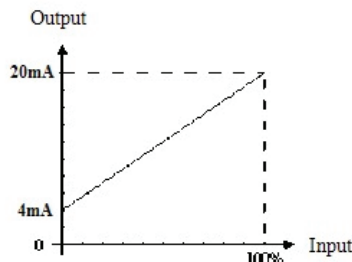
- CE Marking: Yes
- EMC Immunity: Electromagnetic Compatibility According to EN 61000-6-1 According to EN 61000-6-2
- Emission: According to EN 61000-6-3

Dimensions



Input / output Graph

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



Current input vs 4-20mA output

Ordering information

TDR-5