

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

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

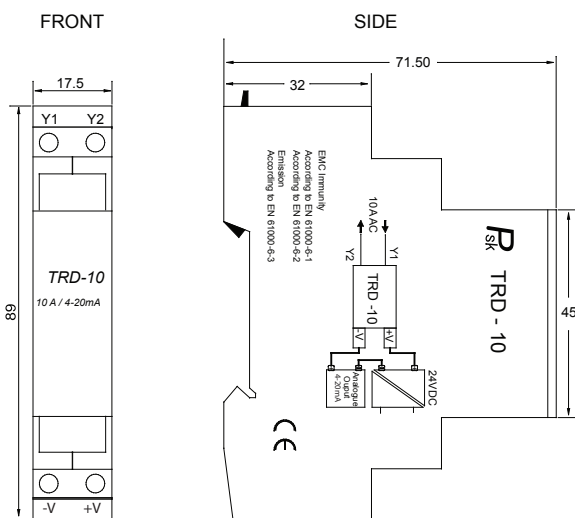
Housing

- 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

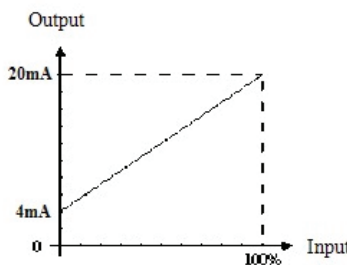
• CE Marking	Yes
• EMC Immunity	Electromagnetic Compatibility According to EN 61000-6-1 According to EN 61000-6-2
• Emission	According to EN 61000-6-3

Dimensions



Input / output Graph

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



Current input vs 4-20mA output

Ordering information

TDR-10