

CTP Current Transmitters

PRODUCT DATA



APPLICATION

The CTP current transmitters monitor the current flow for various electrical equipment. Measured current level is converted into a linear and proportional 0 - 5/10 Vdc or 4-20 mA output signal, which can be monitored by a Building Management, DDC, or PLC controller. Current sensors with switch selectable current ranges provide optimal resolution for greater measuring accuracy. These current sensors should be used in load trending (current monitoring) type applications.

The split core design makes installations easy since no wires need to be disconnected during the installation process. May be mounted directly on the conductor (codes permitting) or fixed mount on DIN rail.

Typical load status applications include:

- Load trending
- Monitoring process motors and pumps
- Electric heater current monitoring

FEATURES

- Split core loop-powered current transmitters for simple installation.
- High accuracy and linearity.
- Selectable scaling on most models for greater measurement accuracy.
- Fast response time.
- Integral DIN rail mounting flange.
- Easy wiring, polarity sensitive output.
- Optional slide on command relay for unitary start-stop status.
- Limited 5-year warranty.

SPECIFICATIONS

Table 1. Specification by Product.

Product Number	Output*	Range	Max Current
CTP-A-20A	4-20 mA	5/10/20 A	200 A
CTP-A-120A	4-20 mA	30/60/120 A	200 A
CTP-5V-20A	0-5 Vdc	5/10/20 A	100 A
CTP-10V-120A	0-10 Vdc	30/60/120 A	200 A
CTP-10V-200A	0-10 Vdc	Fixed, 200 A	200 A

*Note: 0 - 5/10 Vdc output (induced power)
4-20 mA output (12-30 Vdc power source required)

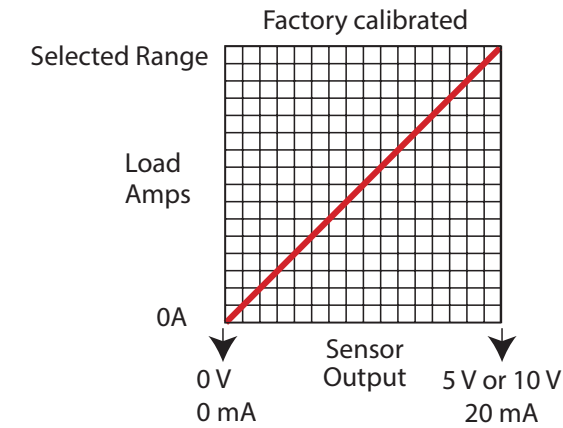
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Table 2. Specifications.

Specification	Rating
Accuracy	+/-2% F.S. over 10 to 100% range
Ambient Temperature Rating	-15~60 °C
Insulation Class	600V RMS. For use on insulated conductors only! Use minimum 75 °C insulated conductor
Sensor Power	Induced, 12 to 30 Vdc max for loop powered sensors
Frequency Range	50/60Hz
Dimensions (LxWxH)	2.94" x 2.23" x 0.82" (1.4" H with optional relay module)
Sensor Aperture	0.75"
Environmental	Pollution Degree 2 (non-conductive/non-condensing)



Analog current sensors output signal proportional to monitored current.

Fig. 1. Linear proportional output.



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