

NON-CONTACT, LOOP-POWERED, TRUE RMS

DESCRIPTION

The CTCR series of transducers provides a non-contact, loop-powered, method of current measurement. The dc output is directly proportional to the true RMS value of ac window current. Measurement ranges of 5mA to 100mA are available.



5 YEAR WARRANTY



FEATURES

- ±0.25% accuracy
- True RMS measurement
- Non-contact
- Loop-powered
- Ease of Installation

SPECIFICATIONS

INPUT

Current Range See Table
 Over-range Continuous w/o damage 20Aac
 Frequency Range 25-400Hz

OUTPUT

Type 2-Wire 4-20mAac, loop-powered
 Scaling 0-F.S. Input = 4-20mAac Output
 Loading 24Vdc loop power 0-500Ω
 15Vdc loop power 0-400Ω
 Response to 90% 250ms, Typical
 Ripple ≤1.0% F.S. pk-pk

DIELECTRIC TEST

Conductor Through Window to Output 2200Vac

INSTRUMENT POWER

Loop-Power Nominal 24Vdc
 Range 15-35Vdc

ACCURACY (setpoint, linearity, repeatability @ 25°C)

25-400Hz 10-100% F.S. ±0.25% F.S.

TEMPERATURE

Operating Range -20°C to 60°C
 Effect ±0.5% F.S.

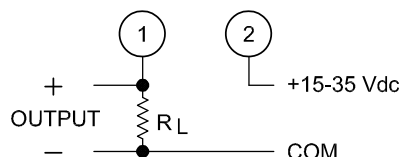
PHYSICAL

Termination No. 6-32 Screw Terminals
 Enclosure Noryl SE1X, UL 94V-1
 Weight 0.2 lb

MODEL SELECTION

INPUT mAac	STANDARD MODELS:
	(4-20mAac loop-powered)
0-5	CTCR-mA005E2
0-10	CTCR-mA010E2
0-15	CTCR-mA015E2
0-20	CTCR-mA020E2
0-25	CTCR-mA025E2
0-30	CTCR-mA030E2
0-35	CTCR-mA035E2
0-40	CTCR-mA040E2
0-50	CTCR-mA050E2
0-60	CTCR-mA060E2
0-100	CTCR-mA100E2

CONNECTION DIAGRAM



DIMENSIONS

All dimensions in inches. (Tolerance: ±0.03in.)

