

DESCRIPTION

The model CTA800 series of signal conditioners are designed to interface with CTF current transducers.

The model CTA800-**** signal conditioners are used for dc applications or where observation of current waveform is required.

The Model CTA801-**** signal conditioners are used for ac applications where the dc output is directly proportional to true RMS value of the input current waveform.

The model CTA800-P provides a ± 15 Vdc supply only.

**5 YEAR
WARRANTY**

**MODEL SELECTION**

CTA MODEL USED WITH	*INPUT AMPS	DIRECT MODELS Output proportional to ac or dc input.					RMS MODELS - Standard dc Output Output proportional to the RMS or dc input.				
		STANDARD OUTPUT MODEL CTA800-					STANDARD OUTPUT MODEL CTA801-				
		± 1 mA	± 10 V	± 5 V	4-20mA	0-20mA	0-1mAdc	0-10Vdc	0-5Vdc	4-20mAdc	0-20mAdc
CTFB-100TT	0 - 100	B	D	X5	E	EA	B	D	X5	E	EA
CTFB-100T	0 - 100	B	D	X5	E	EA	B	D	X5	E	EA
CTFB-300TT	0 - 300	B	D	X5	E	EA	B	D	X5	E	EA
CTFB-300T	0 - 300	B	D	X5	E	EA	B	D	X5	E	EA
CTF-500TT	0 - 500	B	D	X5	E	EA	B	D	X5	E	EA
CTF-500T	0 - 500	B	D	X5	E	EA	B	D	X5	E	EA

*The CTA/CTF models are calibrated at the current shown in the "INPUT AMPS" column.

SPECIFICATIONS**INPUT (From CTF)**

Frequency.....dc to 50kHz
Instrument power.....115Vac ($\pm 10\%$), 50-420Hz
"22" Option230Vac, 50/60Hz

OUTPUT

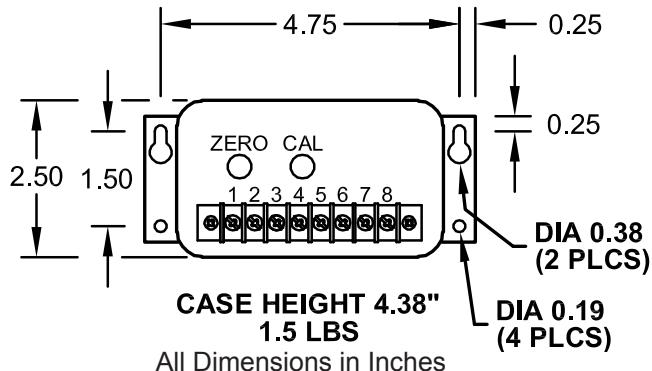
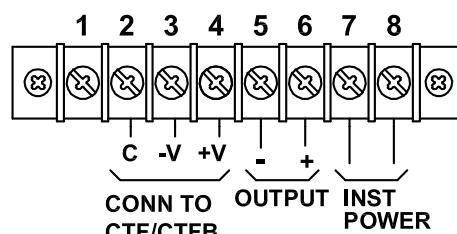
Type(See Table)
Loading ... "B" Models0-10k Ω
"D" or "X5" Models2k Ω , min.
"E" or "EA" Models0-500 Ω
Field Adjustment.....Gain $\pm 10\%$
Response Time(to 90% F.S.)
 Direct Models (CTA800-X5 or CTA800-D)1 μ s
 All Other Direct Models30 μ s
 All RMS Models100ms

ACCURACY

Linearity..... $\pm 0.1\%$ F.S.
Output Ripple<0.5% F.S.

TEMPERATURE

Operating Range.....0-70°C
Effect $\pm 0.01\%/\text{°C}$

CASE DIMENSIONS**CONNECTION DIAGRAM**

Connect to CTA terminals 4 "+V" & 3 "-V", C to terminal 2.

Dwg. # 0902-0879-B

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