SIGNAL CONDITIONER — MODEL CTA800

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.

Model CTA800-P ±15Vdc supply only.

The table selection below lists the CTA with the appropriate current transducer. They will be calibrated together when ordered as a set.

5 YEAR WARRANTY

CTA Model used with	*INPUT AMPS	Direct Models - Output proportional to ac or dc input. Standard output model CTA800-					RMS Models - Standard DC output. Output is proportional to the RMS ac or dc input. Standard output model CTA801-				
		±1mA	±10V	±5V	4-20mA	0-20mA	+1mAdc	+10Vdc	+5Vdc	4-20mA	0-20mA
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		X5	E	EA
CTF-300TTSX5	0-300			P					P		
CTF-500TTSX5	0-500			P					P		

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

SPECIFICATIONS

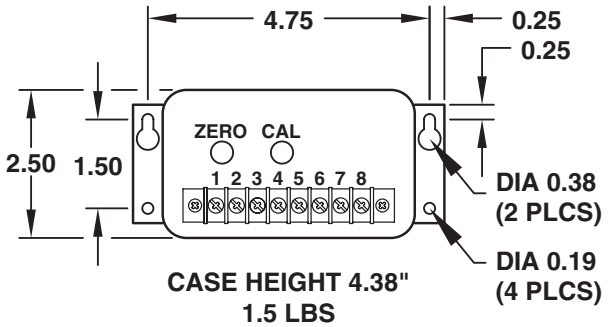
INPUT (From CTF)

Frequency ..... dc to 50kHz
Instrument power ..... 115Vac (±10%) 50 - 420Hz
"**22**" Option 230Vac, 50/60Hz

OUTPUT

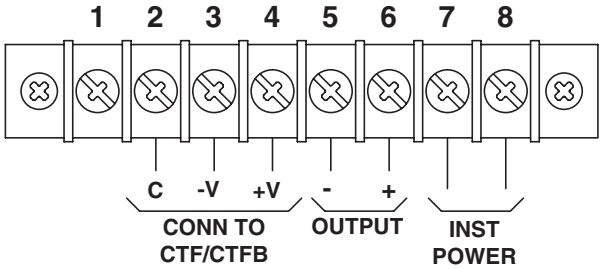
Output Loading (Ohms) ..... 1mA 0-10K
5V or 10V ..... 2K min.
20mA 0-500
Ripple ..... < 0.5%
Linearity ..... ±0.1% F.S.
Field Adjustment ..... "Gain" ±10%
Response time ..... (to 90%)
Direct Models ..... (CTA800-X5 or CTA800-D) .... 1 microseconds
All Other Direct Models ..... 30 microseconds
All RMS Models ..... 100 milliseconds
Temperature ..... (0°C to 70°C) ..... ±0.01%/°C

CASE DIMENSIONS



CASE HEIGHT 4.38"
1.5 LBS
All Dimensions in Inches

CONNECTION DIAGRAM



Connect CTF or CTFB to CTA terminals 4 "+V" & 3 "-V", C to terminal 2. Connect CTF-***SX5 Red lead to term. 4 & Black lead to term. 3, White lead to term. 1 & Green lead to term. 2

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