

# 4 DIGITS PROGRAMMABLE METER RELAYS

## CTEC04



### FEATURES

- 4 Display (9999)
- Measuring DCV, DCA, ACV, ACA, RTD Frequency, Ohm (Option)
- Output DC 24V, DC 4 ~ 20mA or RS485 (OPTION)
- Relay-ON Delay 0 ~ 99.99 sec
- DIN Size 96 x 48mm
- Start Delay 0 ~ 99.99 sec
- Front-panel digital scaling and offset
- Can Check Hold/Max. / Min. / Peak Value (OPTION)

### Specifications

Display	4 Digits (9999) 0.56" (14.2mm), Red LED
Accuracy	DC $\pm 0.1\%$ RD. $\pm 2$ digits AC $\pm 0.25\%$ F.S. $\pm 2$ digits Hz $\pm 0.2\%$ F.S. $\pm 2$ digits Ohm $\pm 0.1\%$ RD. $\pm 2$ digits RTD $\pm 0.5^\circ\text{C} \pm 2$ digits Output $\pm 0.25\%$ F.S.
Conversion rate (about)	3/sec. (DC), 3/sec.(AC, Hz, RTD), 6/sec. (Ohm)
Over input indication	"- OL -" flash
Polarity	Only "-" Display
Frequency range	45~400Hz for AC range
Operating temp.	0~60°C
Storage temp.	-10~70°C
Temp. coefficient	$\leq 100\text{PPM}/^\circ\text{C}$ ( $\leq 60\text{PPM}/^\circ\text{C}$ , $25^\circ\text{C} \pm 10^\circ\text{C}$ )
Max. relative humidity	95%
Dielectric strength	AC 2KV/1 min. (input/power/case)
Surge test	4KV/1.2 x 50 $\mu\text{s}$ , IEC 255-4
Aux. power	AC 90 ~ 260V, 50/60Hz DC 24V, 48V, 110V $\pm 20\%$ (option)
Power consumption	AC 3.5VA, DC 3W
Ripple	< 0.5% p-p max
Response	< 0.4 sec.
Weight (about)	280g
Setting Range	0 ~ 9999 or $\pm 5000$
Relay Contact Output	AC 120V/3A, DC 30V/3A
Protocol	Modbus (RTU)
Baud Rate	9600, 19200
Address	1 ~ 255
Peak Hold Speed	$\leq 50\text{mSec}$
Comperative Condition	7 Modes: Please refer to User Manual for details

### Ordering Information

**NO SETTING CTEC04N-**        
**TWO SETTING CTEC04A-**       (When select E1 ~ EY Please Remark Display Range)  
**FOUR SETTING CTEC04B-**

NO.	INPUT TYPE	NO.	VOLTAGE	NO.	CURRENT	NO.	ANALOG	NO.	PT100 $\Omega$ DIN	NO.	AUX. POWER	NO.	OUTPUT1	NO.	OUTPUT2
D	DC	V1	0~500.0mV	A1	0~500.0 $\mu\text{A}$	E1	DC 4~20mA	B1	-10~50.0°C	1	AC 90~260V	N	NONE	1	DC 24V/30mA
A	AC	V2	0~5.000V	A2	0~5.000mA	E2	DC 0~10V	B2	0 $\pm$ 200.0°C	A	DC 24V	1	DC 4~20mA	N	NONE
T	AC TRMS	V3	0~50.00V	A3	0~50.00mA	E3	DC 1~5V	B3	0~50.0°C	B	DC 48V	2	DC 0~10V		
O	ANALOG	V4	0~500.0V	A4	0~500.0mV	E4	DC 0~50mV	B4	0~100.0°C	C	DC 110V	A	RS 485		
C	RTD PT100 $\Omega$	V5	0~600.0V	A5	0~5.000A	E5	DC 0~200mV	B5	0~200.0°C	Y	OPTION	B	RS 232		
F	FREQUENCY	VY	OPTION	A6	0~10.00A	E6	AC 0~5A	B6	0~400°C			Y	OPTION		
R	RESISTANCE			AY	OPTION	EY	OPTION	BY	OPTION						

