

CTR-544 Series

Multipurpose Device Counter, Timer or Ratemeter

Features

- Multipurpose device (programmable mode)
 - Display counter (adding and subtracting)
 - Position Monitor
 - rate meter
 - timer
- Display range –199 999 to 999 999
- Screw terminal connections
- Locking SET-Key for reset
- Option: Optocoupler output if f = 0, i.e. Operation indicator



Description:

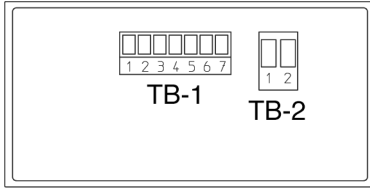
The CTR-544 is a multipurpose device that can be programmed as a counter, position monitor, timer or ratemeter. It accepts DC pulse inputs up to 20kHz. It is a perfect solution for all high speed counting, timing and rate monitoring applications.

Specifications:

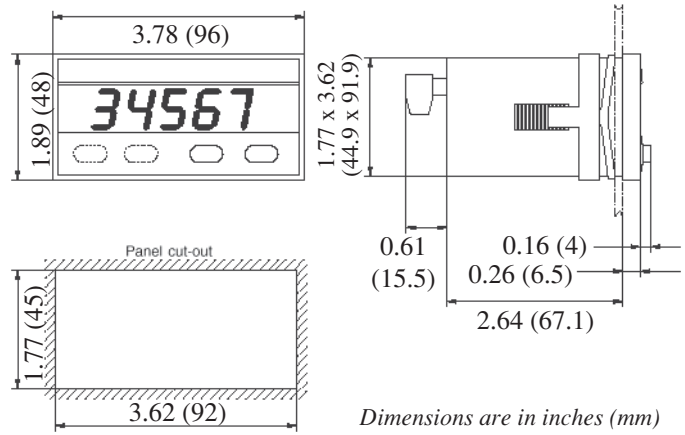
Supply voltage:	10 to 30 V DC, with reverse polarity protection 90 to 260 V AC 50/60 Hz mains hum suppression	Level of inputs:	DC-version Low: 0 to 0.2 x UB [V DC] High: 0.6 x UB ... 30 V DC AC-version Low: 0 to 4 V DC High: 12 to 30 V DC
Power consumption:	max. 2 W/6 VA	DC Output:	24 V DC \pm 15 %/100 mA (AC powered units only)
Display:	6-digit, red 7-segment LED's height 14 mm	Accuracy:	Ratemeter: <0,1 % Timer < 50ppm
Data backup:	EEPROM	Ambient temperature:	–10 to +50°C
Housing:	housing for control panel 96 x 48 mm acc. to DIN 43 700; RAL 7021, dark grey	Storage temperature:	–25 to +70°C
Polarity of Inputs:	programmable, npn or pnp for all inputs	EMC:	according to EC EMC directive 89/36/EWG
Input resistance:	appr. 10 k Ω	Interference emmissions:	EN 50081-2/EN 55 011 class B
Input frequency:	20 kHz, can be damped to 30 Hz (11 kHz max. for position display)	Interference resistance:	EN 6100-6-2
Reset time:	5 ms	Protection:	NEMA4/IP65 (front panel)
Timer resolution:	up to 0.001 s	Weight: appr.	150 g

Wiring Connections

Rear View



Dimensions



Dimensions are in inches (mm)

TB-1 Measurement Inputs

Pin	AC-version	DC-version
1	Optocoupler-output Emitter	
2	Optocoupler-output Collector	
3	SET	
4	INP B	
5	INP A	
6	GNDout	n.c.
7	+24 Vout	n.c.

TB-2 Supply Voltage and Outputs

Pin	AC-version	DC-version
1	90 ... 260 V AC	0 V DC (GND)
2	90 ... 260 V AC	10 ... 30 V DC

Order Code

Example: CTR544.01 0 00

Series: _____
 CTR-544 = Multipurpose Device
 Counter, Timer or Ratemeter

Operating Voltage: _____
 0 = 90 to 260 VAC
 3 = 10 to 30 VDC

Options:
 00= None
 01 = Optocoupler output