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TC-170.10

TIMER – COUNTER – TACHOMETER 32x74
TCT 101 SERIES



The TCT101 series is available in a range of configurations: Timer, Counter, Tachometer/Frequency counter.
TCT101-1ABC with 5 operating modes: Timer-ON, Timer-OFF, Pause-Work, Oscillator, PWM (proportional time output), all with settings independent of the ON-OFF times.
TCT101-2ABC, can be configured as single and double counter, incremental and decremental counter with the option of setting an external potentiometer
TCT101-3ABC frequency reader from Encoder Push-Pull/Line-Driver TTL, mono- or bi-directional up to 100kHz.
TCT101-4ABC-T configurable as Timer /Counter/ Tachometer with communication serial port for the transmission of setpoints, Times/Counts/Frequency.

Main features

Box	32x74 (frot panel) x 53 mm
Power supply	24...230Vac/dc ±15% 50/60 Hz
Consumption	3VA
Display	4 digits 0,4” green + 4 digits 0,3” red
Operating conditions	Temperature 0-45 °C, humidity 35..95 RU% (non condensing)
Material	Box: Noryl UL94V1 self-extinguishing; Front panel: PC ABS UL94V0 self-extinguishing
Weight	Approx. 100 g
Sealing	Front panel IP65 (with gasket) , Box IP30, Terminal blocks IP20
Quick set-up options	Memory Card with / without battery
Backup function	Maintenance of value with rechargeable capacitor - Autonomy 7 days

Inputs

3 Digitals	Selectable as NPN - PNP - TTL, both high/low/rising edge level
Input I3	Input selection by potentiometer 5/10 KOhm for entering of setpoint value (resolution 1000 points)

Outputs

1..2 Relays	2 Relays 5 A - 250 Vac resistive charge (codes -1/2/3) 1 Relay 5 A - 250 Vac resistive charge (codes -4ABC-T)
1 Auxiliar	24VDC - max 30mA (24VAC power), 40mA (24VDC power), 60mA (110..230VAC power) for Sensor / encoder power supply
Serial communication	RS485 Modbus RTU - Slave (code -4ABC-T)

Software features

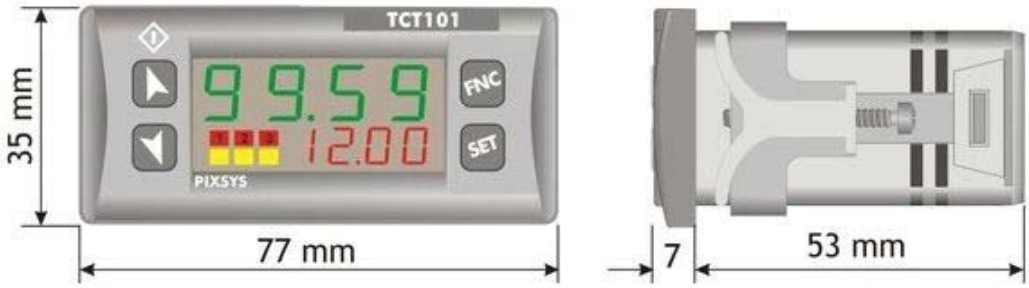
Timer input selectionStart,	Start, Stop, Hold, Reset, Wait
Ranges	Programmable time bases (sec/100 , sec/10 , sec, min , hours)
Counter input selection	Up, Down, Lock, Hold,
Counting frequency	Incremental/Decremental up to 100 KHz
Counter functions	Count frequency visualization on red display for Flowmeter function
Tachometer input selection	For mono/bi-directional Push/Pull or Line/Driver encoders up to 100Khz
Tachometer functions	Maximum / Minimum peak
Data protection	Parameters protected by password

ORDERING CODES

Model	Code	Functión	Outputs	Power supply
TCT101-1ABC	200531011	Timer - settable in 5 modes	2 relés	24..230 Vca/cc +/- 15% 50 / 60 Hz
TCT101-2ABC	200531012	Counter	2 relés	
TCT101-3ABC	200531013	Tachometer	2 relés	
TCT101-4ABC-T	200531014	Configurable: Timer / Counter / Tachometer	1 relé +RS 485 ModBus	
TCT101-4ABC-TCAN	200531015		1 relé + CAN bus	

DIMENSIONS

Front hole
28,5 x 70,5 mm



CONNECTIONS ACCORDING TO MODEL

