



TCT101

Timer - Counter - Tachometer - Multi-function device+RS485

TCT101-1ABC settable in 5 different modes: Timer-ON, Timer-OFF, Pause-Work, Oscillator, PWM (time-proportioned output), all options with independent setting of ON-OFF times.

TCT101-2ABC configurable as single/double counter, incremental/decremental counter, optional setting by external potentiometer.

TCT101-3ABC frequency meter for Push-Pull/Line-Driver TTL Encoders, mono- / bi-directional up to 100kHz.

TCT101-4ABC-T configurable by parameter as Timer / Counter / Tachometer with serial communication via RS485-ModbusRTU for transmission of setpoints/timings/countings/frequency.

Ordering codes

TCT101-1ABC	Timer - settable in 5 modes
TCT101-2ABC	Counter - incremental or decremental
TCT101-3ABC	Tachometer - for Push-Pull / Line-Driver encoders (mono/bi-directional)
TCT101-4ABC-T	Timer / Counter / Tachometer - with RS485 Modbus RTU/slave serial communication

Main features

Box	32x74 (front panel) x 53 mm
Power supply	24...230Vac/Vdc $\pm 15\%$ 50/60 Hz
Consumption	3 VA
Display	4 digits 0,4" green + 4 digits 0,3" red
Operating conditions	Temperature 0-45 °C, humidity 35..95 RU%
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

Inputs

3 Digital	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)

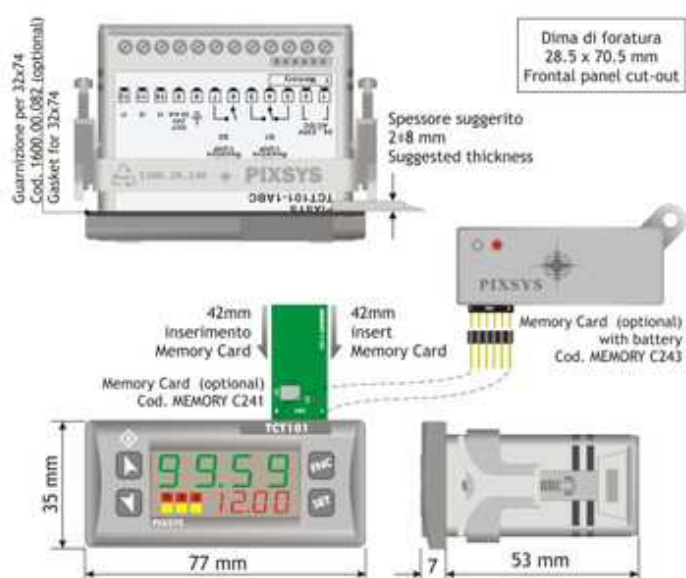
Outputs

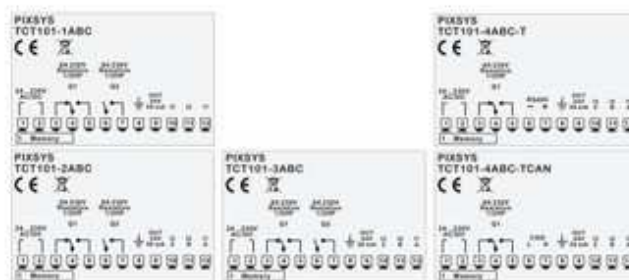
1/2 Relays	2 Relays 5 A - 250 Vac resistive charge (codes -1/2/3) 1 Relay 5 A - 250 Vac resistive charge (codes -4ABC-T)
Serial communication	RS485 Modbus RTU - Slave (code -4ABC-T)

Software features

Timer input selection	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 100Khz
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

Size and installation





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