

T9C Intelligent Counter (DIN 48×96)

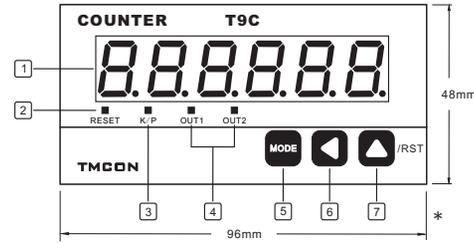
- Using 0.52 inches high brightness LED digital display.
- User-friendly interface, easy to operate.
- Powerful counter function and length meter function.
- Compatible with a wide variety of inputs, such as NPN/PNP universal input and DC 2-wire Sensors.
- RS485 digital communication function, uses the international general Modbus communication protocol.



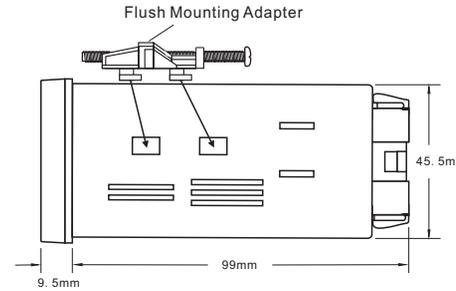
■ Ratings

Model	T9C-N	T9C-1P	T9C-2P
communication	T9C-NS	T9C-1PS	T9C-2PS
Category	Indicator	single preset	double preset
supply voltage	1: AC100~240V 50/60HZ 2: AC/DC12~24V(voltage range:85~110%)		
Power consumption	Approx. 5 VA at 264 VAC, Approx. 3.2 W at 12 VDC		
Display	7-segment, LED digital display Display range: -99999~999999		
Input modes	UP,UP/DOWN-A, B, C	UP,DOWN,UP/DOWN-A, B, C	
Output modes	_____	N, F, C, R, L, K, D	N, F, C, R, L, K, D, H
Prescaling function	0. 0001~99. 9999		
Decimal point adjustment	Rightmost 4 digits		
Max. counting speed	5Hz,30Hz,1kHz,5kHz (selectable, ON/OFF ratio 1:1)		
Reset system	External, manual	External, manual, and automatic reset (internal according to C, R, and K mode operation)	
Input signals	CP1、CP2、RESET		
Input method	No-voltage input/voltage input (switchable) No-voltage input. ON impedance: 1 kΩ max. (Leakage current: 5 to 20 mA at 0 Ω) ON residual voltage: 3 V max.OFF impedance: 100 kΩ min. Voltage input High (logic) level: 4.5 to 30 VDC Low (logic) level: 0 to 2 VDC (Input resistance: approx. 4.7 kΩ)		
Control output	_____	3 A at 250 VAC/30 VDC, resistive load (cosφ=1)	
External power supply	12VDC ±10% 100mA Max		
Memory backup	EEPROM (overwrites: 100,000 times min.) that can store data for 10 years min.		
Dielectric strength	AC2000V 50/60Hz 1min		
Ambient temperature	Operating: -10 to 55°C (with no icing or condensation) Storage: -25 to 65°C (with no icing or condensation)		

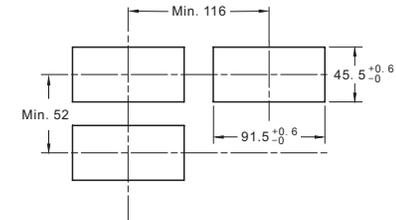
■ The panel and the size



* Under normal measurement mode: As RESET Reset key.
Under the parameter setting state: As UP key.

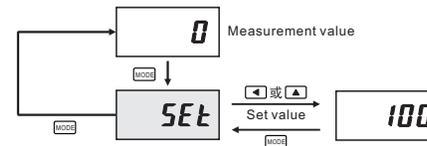


Panel Cutouts(mm) :

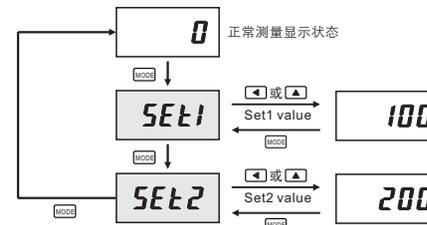


■ Preset count value (T9C-N doesn't have this set)

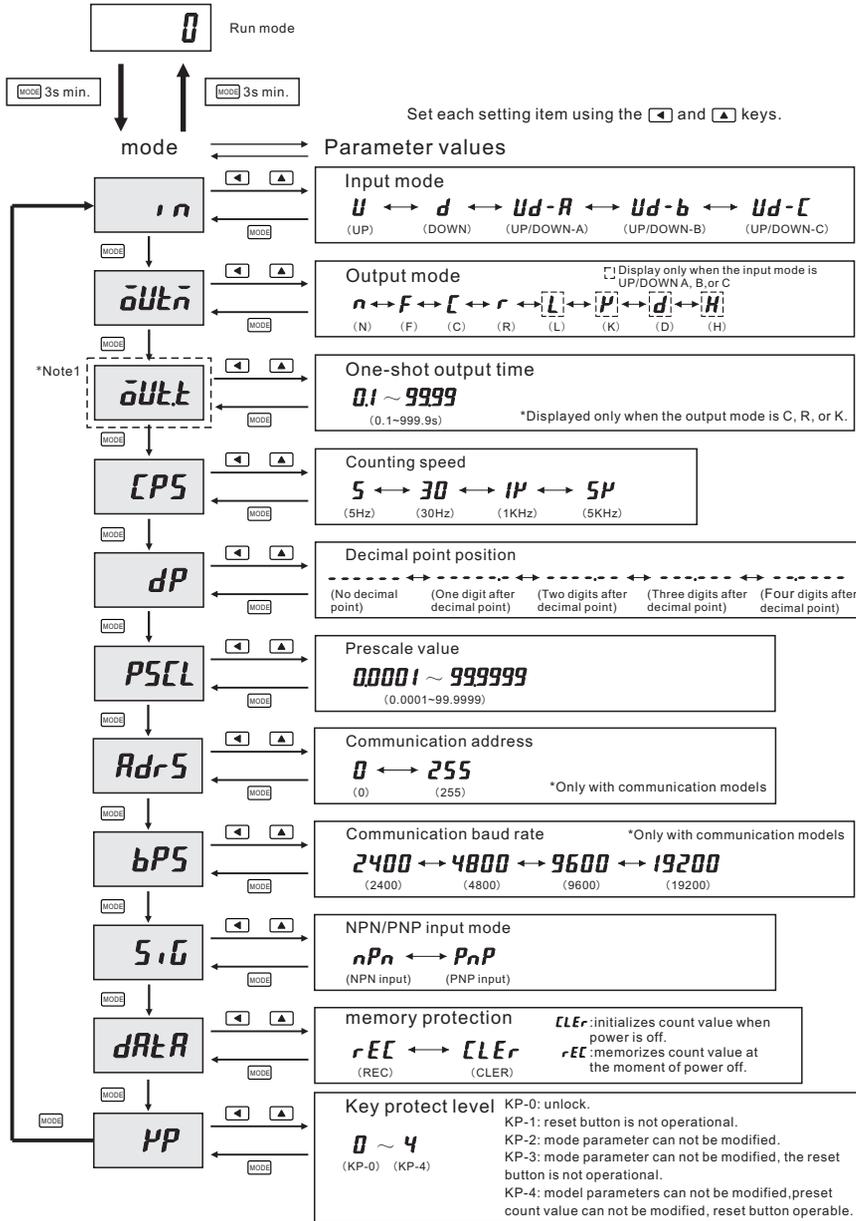
- T9C-1P single preset



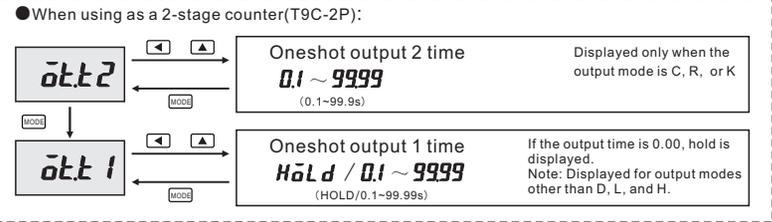
- T9C-2P double preset



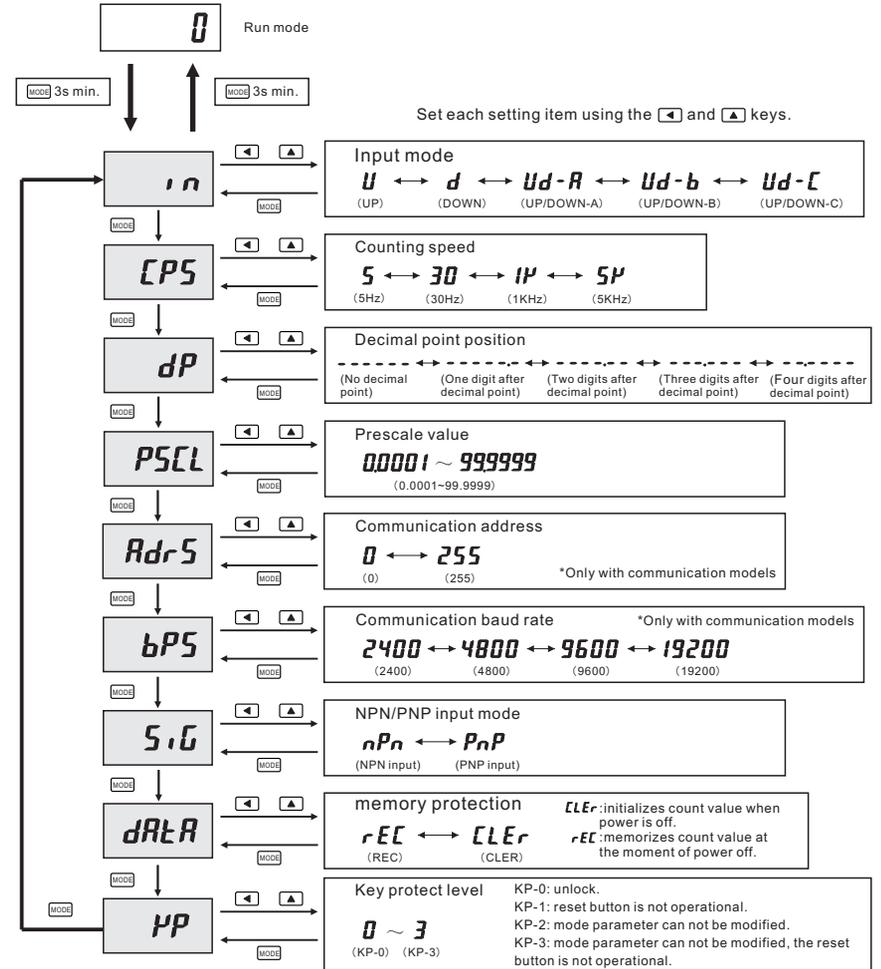
■ T9C-1P/T9C-2P Settings for All Functions



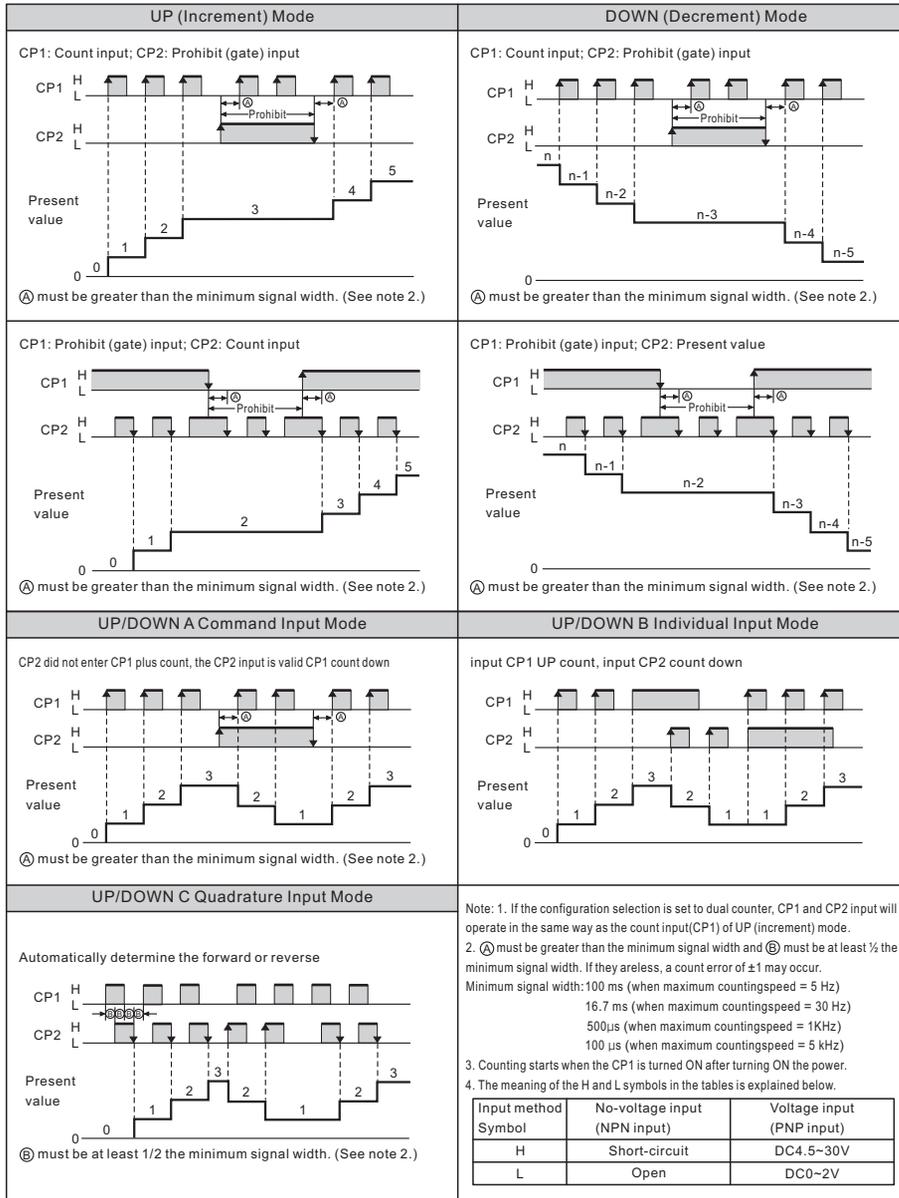
*Note1



■ T9C-N Settings for All Functions



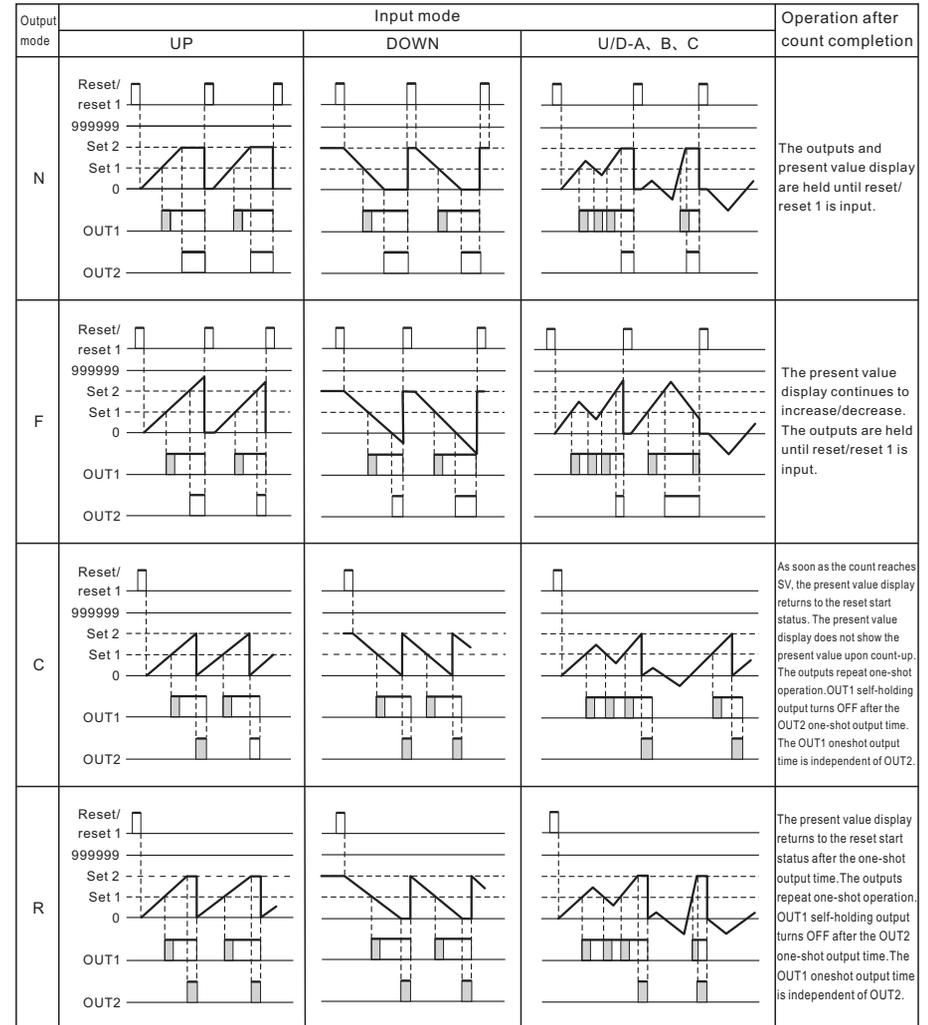
Input Modes and Present Value

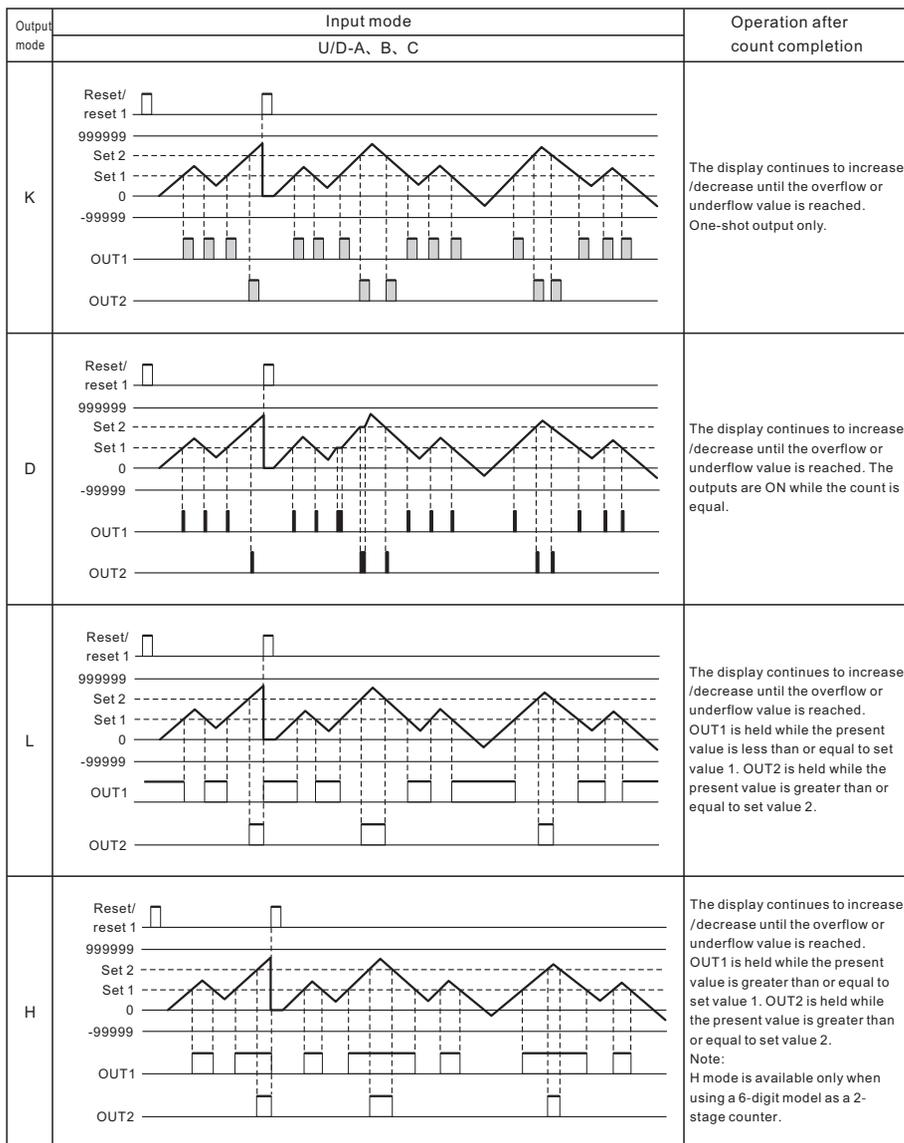


Input/Output Mode Settings

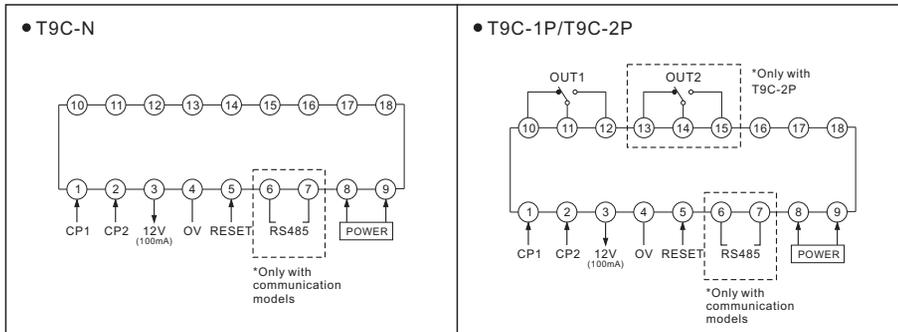
Operation for 1-stage models is the same as that for OUT2.

When using a 2-stage model as a 1-stage counter, total and preset counter, or dual counter, OUT1 and OUT2 turn ON and OFF simultaneously.

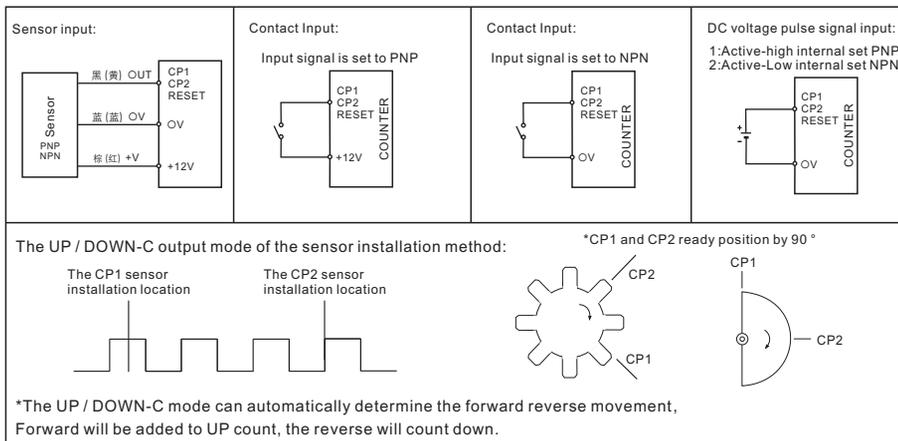




Wiring diagram



Signal input connection diagram



Before the use of attention

- 1: before use, make sure that the voltage and connection, to avoid lead to instrument damage due to incorrect wiring.
- 2: Avoid the instrument used in high temperature, flammable, explosive, corrosive, dust, severe shock, humidity, static electricity, oil and other occasions.
- 3: Twist of the instrument signal lines and power lines may cause interference Please try to stay away from these strong electric wires, to conduct an independent wiring, and signal lines as far as possible to shorten the wiring distance.
- 4: Contact signal input, the CPS count rate should be set for low-speed 30Hz, can Prevent switch bounce error count. Reasonable speed settings, you can make the count more accurate.
- 5: Output relay, please do not exceed the switching capacity, according to the rated load, otherwise it would contact burned, such as an external high current relay or contactor exceeds its capacity.