

**PC-7340-S SERIES**

**Content of the packaging**

- Nomenclature
- User's manual
- A screwdriver
- Bracket (2pcs)

通訊參數表 (有RS485)

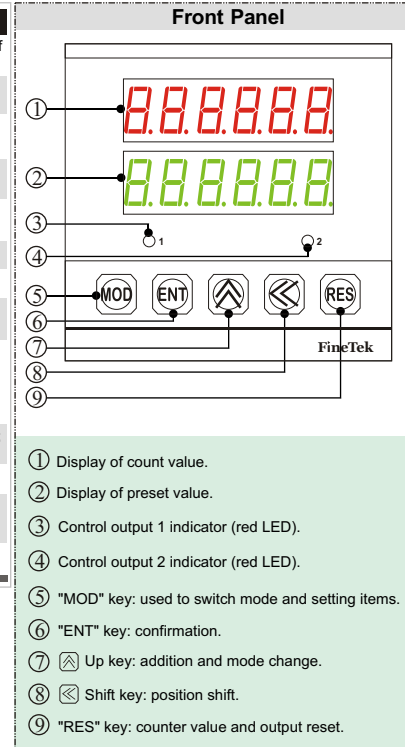
Thank you for please read the User's manual first before buying Fine-Tek products and using And is familiar with product performance and every function, please keep the user's manual so that consult in future

- Warning**
1. Really lock the end Terminals screw, if the screw has not been locked but lost by causing the fire or mechanical breakdown.
  2. Please don't be using this product and having places where we can fire gas, cause the risk of exploding by the fact that it may.
  3. The life-span of the relay must depend on the user's usage, the use of the relay must be in specified load and life-span of electric apparatus that it labels, if the use of the relay exceeds its life-span, the danger that may melt or cause the fire in the contact of the relay.
  4. Don't disassemble, repair or revise the products without authorization, this measure may cause the short circuit of the electric apparatus, trouble or fire.
  5. Don't drop inside products by chip or chip of wire metal, will cause the short circuit and account or fire.

**Caution!** Please strictly observe the following instructions, it can guarantee this safe operation in anticipated cases of controller:

- Use the product within the ratings specified for submerging in water and exposure to oil.
- Do not use the product in locations subject to vibrations or shocks. Using the product in such locations over a long period may result in damage due to stress.
- Do not use the product in locations subject to dust, corrosive gasses, or direct sunlight.
- Separate the input signal devices, input signal cables, and the product from the source of noise or high-tension cables producing noise.
- Separate the product from the source of static electricity when using the product in an environment where a large amount of static electricity is produced (e.g., Forming compounds, powders, of fluid materials being transported by pipe).
- Organic solvents (such as pain thinner), as well as very acidic or basic solutions might damage the outer casing of the Counter.
- Store at the specified temperature. If the Counter has been stored at a temperature of less than -10 C, allow the Counter to stand at room temperature for at least 3 hours before use.
- It is 12VDC 70mA, to supply with the specified value of sensor, please don't exceed its specified load current.

SPECIFICATIONS	
Power Supply	100~240VAC 50/60Hz (85%~110% of rated supply voltage range)
Power Supply for sensor	DC12V, 70mA
Power Consumption	Max. 7W
Operating Temperature	0 ~ 55°C
Storage Temperature	-10 ~ 70°C (20 ~ 85%RH)
Altitude	Max. 2000m
Weight	235 g
Storage environment	Over-voltage category II, pollution degree II (IEC61010-1)
Relay Output	SPST-NOx2, 3A at 250VAC/30VDC
Electrical life	100,000 times
Mechanical life	10000,000 times
Counting Speed	10K cps(with Solid-state input only); 30 cps(with contact input)
Memory backup	EEPROM
Communication Interface	RS485 Transmission (option)
Protection	IP65



**Input Modes**

Function	Diagrams	Description
UP	(1) [Diagram: IN1 pulse] (2) [Diagram: Display showing 0 to 6]	(1) IN1 input (Increment) (2) Display
dn	(1) [Diagram: IN1 pulse] (2) [Diagram: Display showing 6 to 0]	(1) IN1 input (Decrement) (2) Display
UPdn	(1) [Diagram: IN1 pulse] (2) [Diagram: IN2 pulse] (3) [Diagram: Display showing 0 P] (4) [Diagram: Display showing P 0]	(1) Input IN1, count in the direction of the cycle (2) Input IN2, count in the opposite direction from the cycle (3) Display (0 P) 2-channel up/down counter (4) Display (P 0) 2-channel up/down counter
UPUP	(1) [Diagram: IN1 pulse] (2) [Diagram: IN2 pulse] (3) [Diagram: Display showing 0 P] (4) [Diagram: Display showing P 0]	(1) Input IN1, count in the direction of the cycle (2) Input IN2, count in the direction of the cycle (3) Display (0 P) 2-channel up/down counter (4) Display (P 0) 2-channel up/down counter
dir	(1) [Diagram: IN1 pulse] (2) [Diagram: IN2 pulse] (3) [Diagram: Display showing 0 P] (4) [Diagram: Display showing P 0]	(1) Input IN1 input pulses (2) Input IN2 reversal of counting direction (3) Display (0 P) 1-channel up/down counter (4) Display (P 0) 1-channel up/down counter
PH	(1) [Diagram: IN1 pulse] (2) [Diagram: IN2 pulse] (3) [Diagram: Display showing 0 P] (4) [Diagram: Display showing P 0]	(1) Input IN1 (signals 90° out of phase) count on an edge (2) Input IN2 reversal of counting direction if IN2 ahead of IN1 (3) Display (0 P) (4) Display (P 0)

**Step 1: Initial picture**

**Counter Parameter**

Count value: 135  
set value 2: 002345

**Step 2:**

ct: Counter Mode  
PS: Only for PC-7340.  
Pressing "Up" key change ct b, Chron or IACH.

SET value 1: Setting the counter value of the output 1.  
"Shift" key set position shift number, "Up" key set number value

SET value 2: Setting the counter value of the output 2.  
"Shift" key set position shift number, "Up" key set number value

Output 1 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "Up" key set number value

Output 2 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "Up" key set number value

Prescale value setting, the decimal point is fixed on the third.  
"Shift" key set position shift number, "Up" key set number value

out1=h: output 1 need manual reset movements to stop  
out1=A: output 1 automatic reset for movement time will depend on out1 time set.  
Pressing "Up" key change this two kinds.

out2=h: output 2 need manual reset movements to stop  
out2=A: output 2 automatic reset for movement time will depend on out2 time set.  
Pressing "Up" key change this two kinds.

rSt=A: automatic reset when it is set value 2 that counter value reaches.  
rSt=h: manual reset

rSt=0: Resets the count value to 0  
rSt=P: Resets the count value to set value 2  
Pressing "Up" key change this two kinds.

0.0000: None decimal point  
0.0000: 1st decimal point setting  
0.0000: 2st decimal point setting  
0.0000: 3st decimal point setting  
0.0000: 4st decimal point setting  
Pressing "Up" key change this five kinds.

Pt no: no protection  
Pt ode: "MOD" key protection.  
Pt rSt: "Reset" key protection.  
Pt YES: "MOD" and "RES" key protected.  
Pressing "Up" key change this four kinds.

UP (up count of Input In1), dn (down count of Input In1), UPdn (up count of Input In1, Down count of Input In2), UPUP (up count of Input In1 and In2), dir (up count of Input In1 If In2 is at 0, down count of Input In1 If In2 is at 1), PH (up count If In1 ahead of phase).  
Pressing "Up" key change this six kinds.

Lo: input frequency limited to 30Hz  
Hi: input frequency limited to 10KHz.  
Pressing "Up" key change this two kinds.

The dotted line show that option RS485

Communication method: RTU and ASCII two kinds.  
Pressing "Up" key change this four kinds.

ID number, setting the range 1~255.

Communication speed: 1200bps, 2400bps, 4800bps, 9600bps, 11520bps, 14400bps, 19200bps, 28800bps, 57600bps.

bit format: ASCII: C8n1, C8n2, C8o1, C8E1, C7n2, C7o1, C7E1, C7o2, C7E2, C9n1  
RTU: C8n1 C8n2, C8o1, C8E1

**Batch-Counter Parameter**

**Batch-Counter Parameter**

Count value: 6  
Batch-Counter value: 10

**Step 2:**

ct b: Batch-Counter Mode  
PS: Only for PC-7340.  
Pressing "Up" key change ct, Chron or IACH.

Set value 1: setting the batch counter of the output 1  
"Shift" key set position shift number, "UP" key set number value

Set value 2: setting the batch counter of the output 2  
"Shift" key set position shift number, "UP" key set number value

Output 1 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

Output 2 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

prescale value setting, the decimal point is fixed on the third.  
"Shift" key set position shift number, "Up" key set number value

out1=h: output 1 need manual reset movements to stop  
out1=A: output 1 automatic reset for movement time will depend on out1 time set.  
Pressing "Up" key change this two kinds.

out2=h: output 2 need manual reset movements to stop  
out2=A: output 2 automatic reset for movement time will depend on out2 time set.  
Pressing "Up" key change this two kinds.

rSt=0: Resets the count value to 0  
rSt=P: Resets the count value to set value 2  
Pressing "Up" key change this two kinds.

0.0000: None decimal point  
0.0000: 1st decimal point setting  
0.0000: 2st decimal point setting  
0.0000: 3st decimal point setting  
0.0000: 4st decimal point setting  
Pressing "Up" key change this five kinds.

Pt no: no protection  
Pt ode: "MOD" key protection.  
Pt rSt: "Reset" key protection.  
Pt YES: "MOD" and "RES" key protected.  
Pressing "Up" key change this four kinds.

UP (up count of Input In1), dn (down count of Input In1), UPdn (up count of Input In1, Down count of Input In2), UPUP (up count of Input In1 and In2), dir (up count of Input In1 If In2 is at 0, down count of Input In1 If In2 is at 1), PH (up count If In1 ahead of phase).  
Pressing "Up" key change this six kinds.

Lo: input frequency limited to 30Hz  
Hi: input frequency limited to 10KHz.  
Pressing "Up" key change this two kinds.

The dotted line show that option RS485

Communication method: RTU and ASCII two kinds.  
Pressing "Up" key change this two kinds.

ID number, setting the range 1~255.

Communication speed: 1200bps, 2400bps, 4800bps, 9600bps, 11520bps, 14400bps, 19200bps, 28800bps, 57600bps.

bit format: ASCII: C8n1, C8n2, C8o1, C8E1, C7n2, C7o1, C7E1, C7o2, C7E2, C9n1  
RTU: C8n1 C8n2, C8o1, C8E1

**Chronometer Parameter**

**Chronometer Parameter**

Count time: 01:00  
set time value 2: 02:50

**Step 2:**

Time range (3 choices available): 99'99 seconds and hundredths of seconds, 99'59 minutes and seconds, 99h59' hours and minutes

Chron: Chronometer Mode  
PS: Only for PC-7320.  
Pressing "Up" key change ct, ct b or IACH.

Set value 1: setting the batch counter of the output 1.  
"Shift" key set position shift number, "UP" key set number value

Set value 2: setting the batch counter of the output 2.  
"Shift" key set position shift number, "UP" key set number value

Output 1 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

Output 2 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

out1=h: output 1 need manual reset movements to stop  
out1=A: output 1 automatic reset for movement time will depend on out1 time set.  
Pressing "Up" key change this two kinds.

out2=h: output 2 need manual reset movements to stop  
out2=A: output 2 automatic reset for movement time will depend on out2 time set.  
Pressing "Up" key change this two kinds.

rSt=A: automatic reset when it is set value 2 that counter value reaches.  
rSt=h: manual reset  
Pressing "Up" key change this two kinds.

rSt=0: Resets the count value to 0  
rSt=P: Resets the count value to set value 2  
Pressing "Up" key change this two kinds.

0.0000: None decimal point  
0.0000: 1st decimal point setting  
0.0000: 2st decimal point setting  
0.0000: 3st decimal point setting  
0.0000: 4st decimal point setting  
Pressing "Up" key change this five kinds.

Pt no: no protection  
Pt ode: "MOD" key protection.  
Pt rSt: "Reset" key protection.  
Pt YES: "MOD" and "RES" key protected.  
Pressing "Up" key change this four kinds.

Set time range: 99'59: minute, second; 99'99: second, 10 millisecond; 99h59: hour, minute  
Pressing "Up" key change this three kinds.

Lo: input frequency limited to 30Hz  
Hi: input frequency limited to 10KHz.  
Pressing "Up" key change this four kinds.

The dotted line show that option RS485

Communication method: RTU and ASCII two kinds.  
Pressing "Up" key change this two kinds.

ID number, setting the range 1~255.

Communication speed: 1200bps, 2400bps, 4800bps, 9600bps, 11520bps, 14400bps, 19200bps, 28800bps, 57600bps.

bit format: ASCII: C8n1, C8n2, C8o1, C8E1, C7n2, C7o1, C7E1, C7o2, C7E2, C9n1  
RTU: C8n1 C8n2, C8o1, C8E1

**Tachometer Parameter**

**Tachometer Parameter**

Speed value: 135  
set rotational speed value 2: 002345

**Step 2:**

IACH: Tachometer Parameter  
PS: Only for PC-7320.  
Pressing "Up" key change ct, ct b or Chron.

Set value 1: output 1 active if the measured speed is higher than the preset value  
"Shift" key set position shift number, "Up" key set number value

Set value 2: output 2 active if the measured speed is higher than the preset value  
"Shift" key set position shift number, "Up" key set number value

Output 1 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

Output 2 Activated time, the decimal point is fixed on the first, the unit is second.  
"Shift" key set position shift number, "UP" key set number value

Prescale value setting, the decimal point is fixed on the third.  
"Shift" key set position shift number, "Up" key set number value

out1=h: output 1 need manual reset movements to stop  
out1=A: output 1 automatic reset for movement time will depend on out1 time set.  
Pressing "Up" key change this two kinds.

out2=h: output 2 need manual reset movements to stop  
out2=A: output 2 automatic reset for movement time will depend on out2 time set.  
Pressing "Up" key change this two kinds.

rSt=0: Resets the count value to 0  
rSt=P: Resets the count value to set value 2  
Pressing "Up" key change this two kinds.

0.0000: None decimal point  
0.0000: 1st decimal point setting  
0.0000: 2st decimal point setting  
0.0000: 3st decimal point setting  
0.0000: 4st decimal point setting  
Pressing "Up" key change this five kinds.

Pt no: no protection  
Pt ode: "MOD" key protection.  
Pt rSt: "Reset" key protection.  
Pt YES: "MOD" and "RES" key protected.  
Pressing "Up" key change this four kinds.

rSt: Reset from the front panel reinitialises the measurement only.  
rStO: Reset from the front panel reinitialises the measurement and deactivates the output.  
Pressing "Up" key change this two kinds.

0.0000: None decimal point  
0.0000: 1st decimal point setting  
0.0000: 2st decimal point setting  
0.0000: 3st decimal point setting  
0.0000: 4st decimal point setting  
Pressing "Up" key change this five kinds.

P=1 (Rotational speed per second)  
P=60 (Rotational speed per minute)  
R3600 (Rotational speed per hour)  
Pressing "Up" key change this three kinds.

Pt no: no protection  
Pt ode: "MOD" key protection.  
Pt rSt: "Reset" key protection.  
Pt YES: "MOD" and "RES" key protected.  
Pressing "Up" key change this four kinds.

UP (up count of Input In1), dn (down count of Input In1), UPdn (up count of Input In1, Down count of Input In2), UPUP (up count of Input In1 and In2), dir (up count of Input In1 If In2 is at 0, down count of Input In1 If In2 is at 1), PH (up count If In1 ahead of phase).  
Pressing "Up" key change this five kinds.

Lo: input frequency limited to 30Hz  
Hi: input frequency limited to 10KHz.  
Pressing "Up" key change this two kinds.

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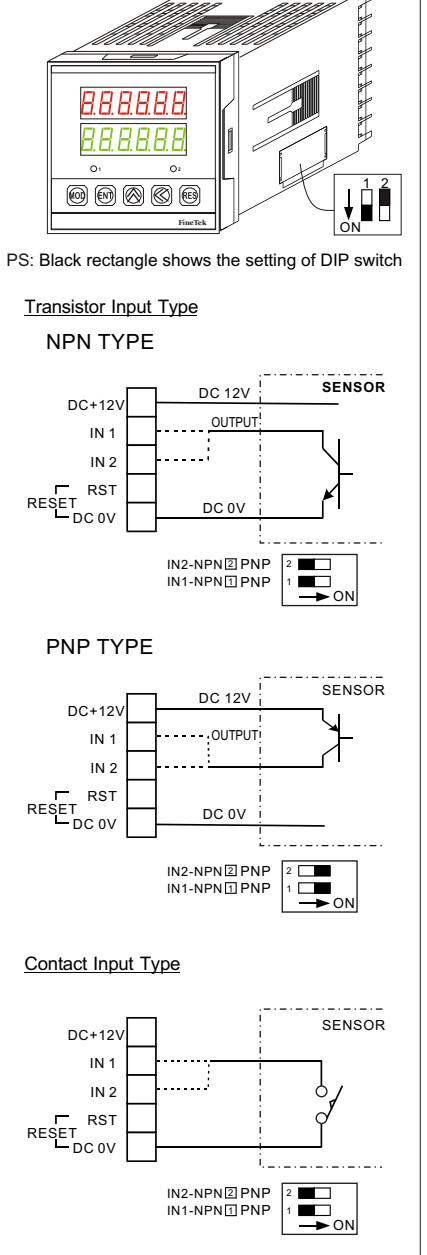
Communication method: RTU and ASCII two kinds.  
Pressing "Up" key change this two kinds.

ID number, setting the range 1~255.

Communication speed: 1200bps, 2400bps, 4800bps, 9600bps, 11520bps, 14400bps, 19200bps, 28800bps, 57600bps.

bit format: ASCII: C8n1, C8n2, C8o1, C8E1, C7n2, C7o1, C7E1, C7o2, C7E2, C9n1  
RTU: C8n1 C8n2, C8o1, C8E1

**Sensor Connection / Dip Switch Settings**



**The button protecting SET**

The button is protected SETTING MOD, RES key protection, MOD+RES key and protected and not protected four kinds.

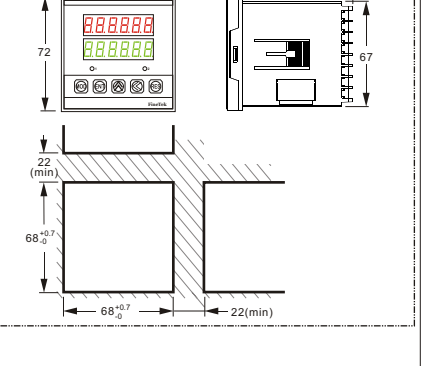
Protected	Pt no	Pt ode	Pt rSt	Pt YES
MOD key				
RES key				

After SETTING as Ptode or PYES and push ENT key, require a group of passwords

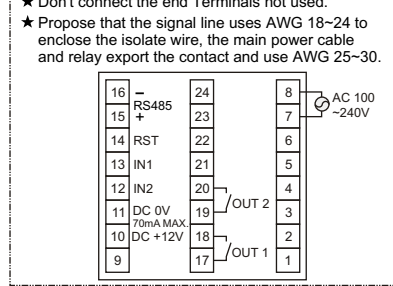
pressing MODE key, must be PASSWORDS enter the function, but there is a code suggestion you, (the password that plain code will be input for you adds 1234, forget password is subtract plain code 1234 the password set for before you to need only), show as follows:

1234 + 4690 = 64690  
64690 - 1234 = 3456

**DIMENSION / PANEL CUTOUT** unit: (mm)



**TERMINAL ARRANGEMENT**



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