http://www.fine-tek.com FineTek PC-6340 SERIES

PROGRAMMABLE FLOW METER USER'S MANUAL



Content of the packaging

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

User's manual
A screwdriver first before buying Fine-Tek products and using
Bracket (2pcs) And is familiar with product performance and
every function, please keep the user's manual
so that consult in future

- 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.
- 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:

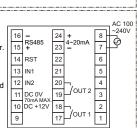
- oduct within the ratings specified for submerging in water and exposure to
- Do not use the product in locations subject to vibrations or shocks. Using the product in such locations over a long period may result in damage due to stress.

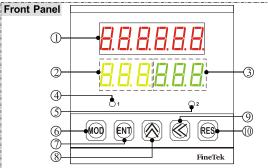
 Do not use the product in locations subject to dust, corrosive gasses, or direct curlicity.
- Separate the input signal devices, input signal cables, and the product from the source of noise or high-tension cables producing noise.
- Separate the product from the source of static electricity when using 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.

TERMINAL ARRANGEMENT

- ★ Please inspect the specification of the power
 ★ Don't connect the end Terminals not used.
- ★ Propose that the signal line uses AWG 18~ 24 to enclose the isolate wire, the main power cable and relay export the contact and use AWG 25~30.



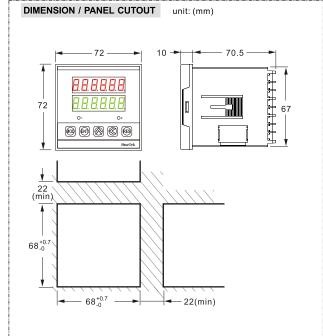


- ① Total Current value, the indication of function key Red 7 segment LED display
- Show 4~20mA, pre-set value, each status of function Green 7 segment LED display
 Flow Rate value, Pre-set value, each status of function Green 7 segment LED display
- Control output 1 indicator (red LED).
- (5) Control output 2 indicator (red LED).
- 6 "MOD" key: used to switch mode and setting items.
- (7) "ENT" key: confirmation.
- (9) K Shift key: position shift.
- (1) "RES" key: counter value and output reset.

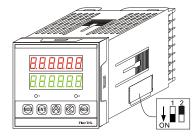
Input Modes

Function	Diagrams	Description			
UP	(1) 1 2 3 4 5 6	(1) IN1 input (Increment) (2) Display			
dn	(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(1) IN1 input (Decrement) (2) Display			
UPdn	(1) (2) (3) 0 1 2 1 0 0 1 (4) n n-1 n-2 n-1 n n n-1	(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) (2) (3) 0 1 2 3 4 6 7 (4) n n-1 n-2 n-3 n-4 n-6 n-7	(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			

SPECIFICATIONS 100~240VAC 50/60Hz (85%~110% of **Power Supply** rated supply voltage range) Power Supply for sensor DC12V 70mA Power Consumption Max. 7W Operating Temperature 0 ~ 55°C -10 ~ 70°C (20 ~ 85%RH) Storage Temperature Altitude Max. 2000m Weight Over-voltage category II Storage pollution degree II (IEC61010-1) Relay Output SPST-NOx2 3A at 250VAC/30VDC Electrical life 100,000 times Mechanical life 10000.000 times 5K cps(with Solid-state input only); **Counting Speed** 30 cps(with contact input) FEPROM Memory backup RS485 Transmission Communication (option) IP65 Protection

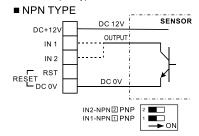


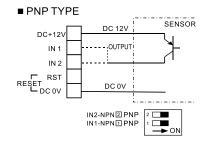
Sensor Connection / **Dip Switch Settings**



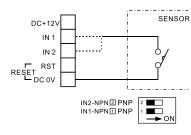
PS: Black rectangle shows the setting of DIP switch

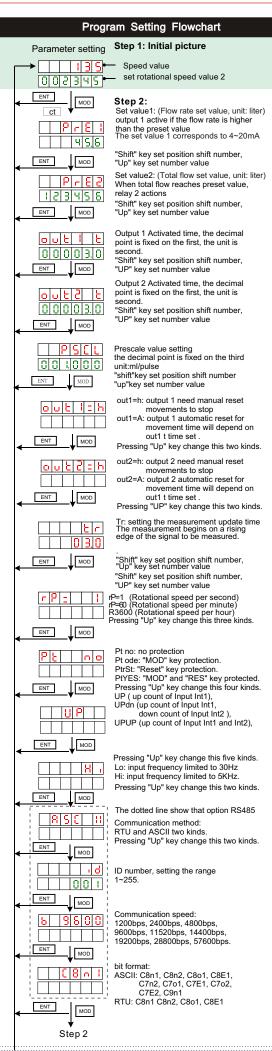
Transistor Input Type





Contact Input Type





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	×	0	X	0
RES key	×	X	0	0

After Setting as "Ptode" or "PtYES" and push "ENT" key, require a group of passwords

Pt odE Pt rSt

Pt YES



• Pressing "MOD" key, must be Password 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 it subtract plain code 1234 the password set for before you to need only), show as follows:



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