

Features

- Widely used in Machinery/Electronic/Food/Package industry for counting,length, batch counting. Receive signals from various switches/encoder for height,position,angle,etc measurement.Count no./length value presetable.When for batch counting,Accumulate counte value/current batch count value & batch no. will displays at the same time.Several outputs settable.
- Accuracy:0.01%, dual line 4/6/8 digit display.Resolution 0.0001.Photo isolation for input & output,Strong interference
- Input: 4 modes (add counting, subtract counting, add & subtract counting, phase difference input for various waveform pulse/raster/proximity switch/ photoelectrical switch/contact switch/encoder(PNP/NPN),etc.)
- Output: 8 modes.Up to 3 alarm outputs with various control modes for selection
- Communication:standard RS232/RS485 interface,MODBUS RTU protocol, realize remote control by direct connection with PC/PLC/other equipment.



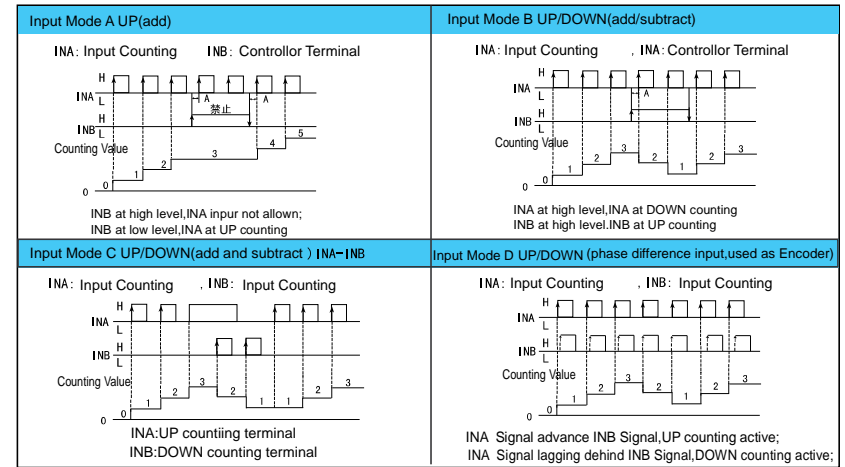
Code Illustration

Model	Description	Remark
FH	Batch/Length/Angle/Position Controller	
Dimension	48W*48H*80Lmm	
	72W*72H*100Lmm	
	96W*48H*80Lmm	
Power	Blank	90-260V AC/DC
	E	18-30V AC/DC (DC 24V)
Digit display	4	4 digits
	6	6 digits
	8	8 digits
Function selection	C	Count, Length
	B	Batch counting
	P	Position control
AL 1	N	None
	R	Relay
	S	SSR
AL 2	N	None
	R	Relay
	S	SSR
Communication	Blank	None
	2	RS232
Auxiliary Power	A	+12V/40mA
	B	+24V/30mA
	C	Others: eg.5V DC
Input	Blank	2 pulse inputs, encoder to work with
	1	INA 1 input,switch sensor to work with

Specifications

Power Supply	90-260V AC/DC or 12-30V AC/DC Power consumption: ≤ 5VA
Input signal	Pulse Signal,Square Wave, Sine-Wave 5V≤H≤30V 0≤L≤2V, rising-edge trigger,counting,frequency:0.01~9kHz
Counting Speed	≤5000 CPS configured by software
Range Display	-1999~9999, -19999~99999, -199999~999999(Change automatically according to digit displayed)
Ratio Range	0.01~99.9, 0.0001~9999.9, 0.00001~99999.9 (Change automatically according to digit displayed)
Input Inpedance	≥10KΩ
Realy Output Mode	R,N,C,F,H,L(countint), High/Low alarm, Capacity: AC 250V/3A DC 30V/3A 00Sφ=1
Analog Output	I:4-20mA V:0-10V
Insulation Resistance	≥100MΩ(DC 500V) (between terminal and shell)
Insulation Strength	AC 1500V 1min(between terminal and shell)
Working Environment	Temperature: 0-50℃, Humidity:35-85% RH
Auxiliary Power	DC 12V ±5% 50mA max / DC ±24V 5% 30mA max
Weight	about 250g

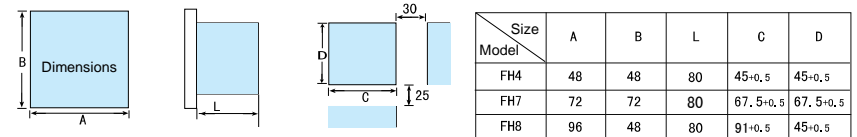
Input Mode A,B,C,D Counting



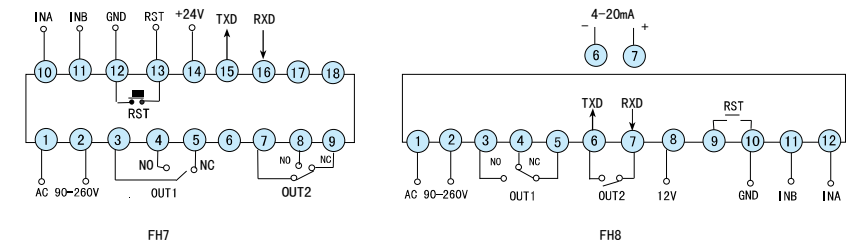
Input Modes

Input Mode	Function Illustration
Mode A	INA: UPcounting,INB:GATE function,If INB is high level or short connected with +12V,INA input is not allown
Mode B	INA:UP counting,INB:Countdown control function,If INB is high level,INA changes to DOMN counting
Mode C	INA:UP counting, INB:DOWN counting
Mode D	INA Signal advance INB Signal,UP counting active; INA Signal lagging behind INB Signal,DOWN counting active;

Mounting and Installation



Diagram



Note:Any change,please refer to the lable on the meter.