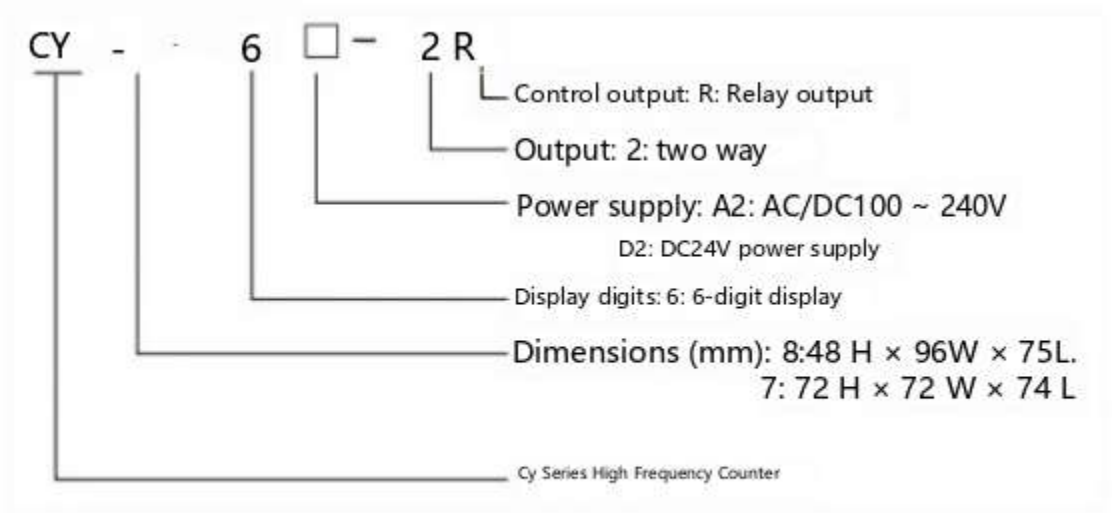
Characteristics

1) Counting speed up to 10KCPS
2) The coefficient 0.0001~9.9999 is set arbitrarily
3) Universal input, can be connected to external NPN or PNP type sensor input
4) Up to two counting/length counting alarm outputs can be selected
5) It can be used in light industry, machinery, packaging, food and so on

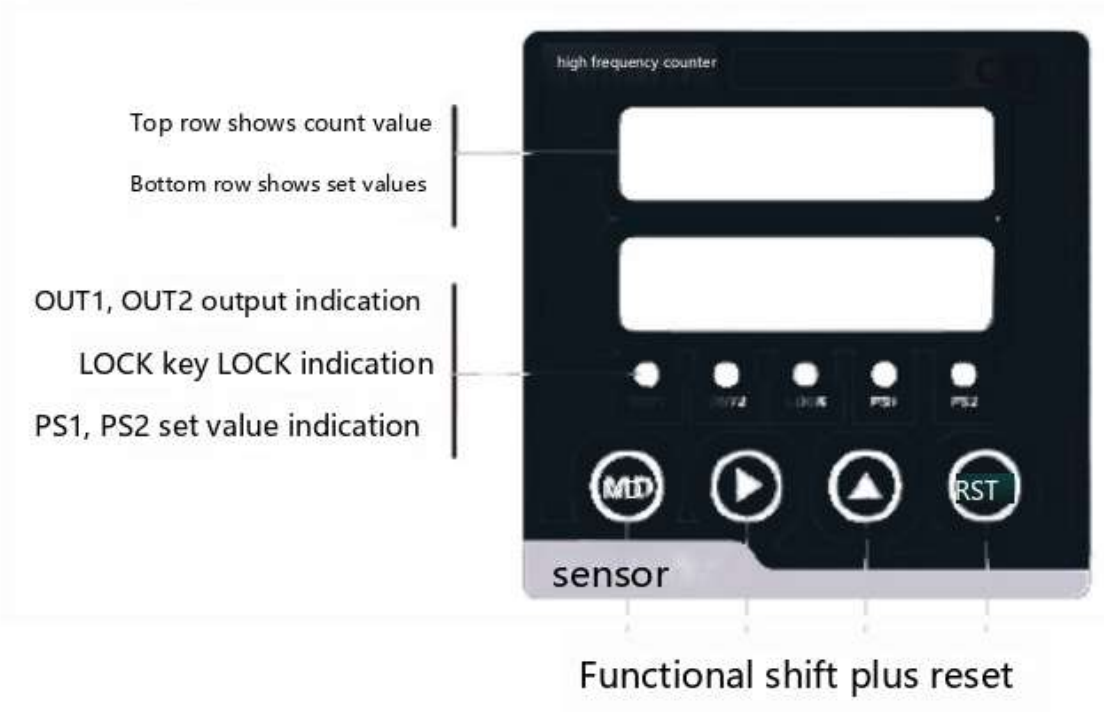
Warning

1. Use of this equipment under the following conditions, such as (nuclear power control, medical equipment, automobiles, trains, airplanes, aviation, recreational or safety devices, etc.), requires the installation of safety protection devices, or contact us for information in this regard, otherwise it may cause serious damage, fire or personal injury
2. The panel must be installed, otherwise electric shock may occur. The
3. Do not touch the terminals during the power supply state, otherwise electric shock may occur. The
4.Don't disassemble and change this product at will, if you really need it, please contact us, otherwise it will cause electric shock and fire. Please contact us if you really need it, otherwise it will cause electric shock and fire
5. Please check the terminal number when connecting the power cord or signal input, otherwise it may cause a fire. Please check the terminal number when connecting the power cord or signal input, otherwise it may cause a fire

1. Model description



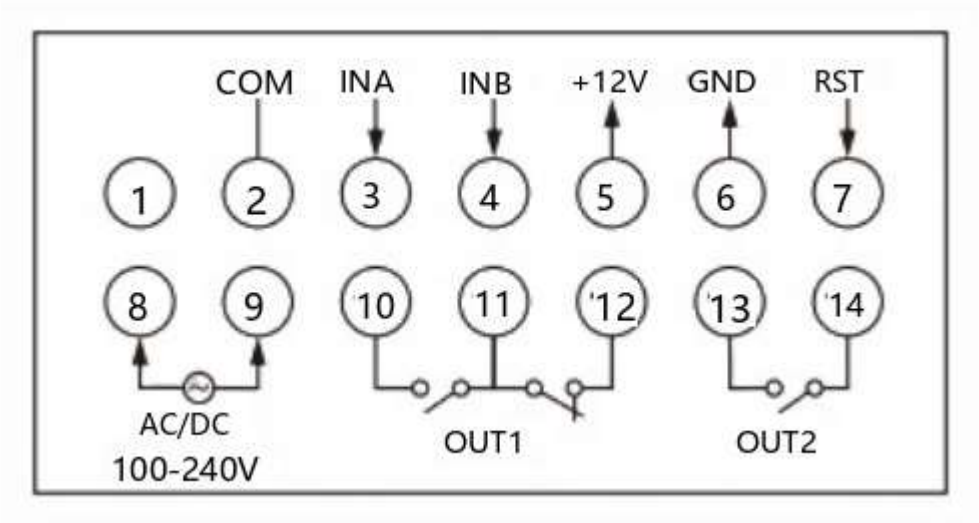
2. Panel name



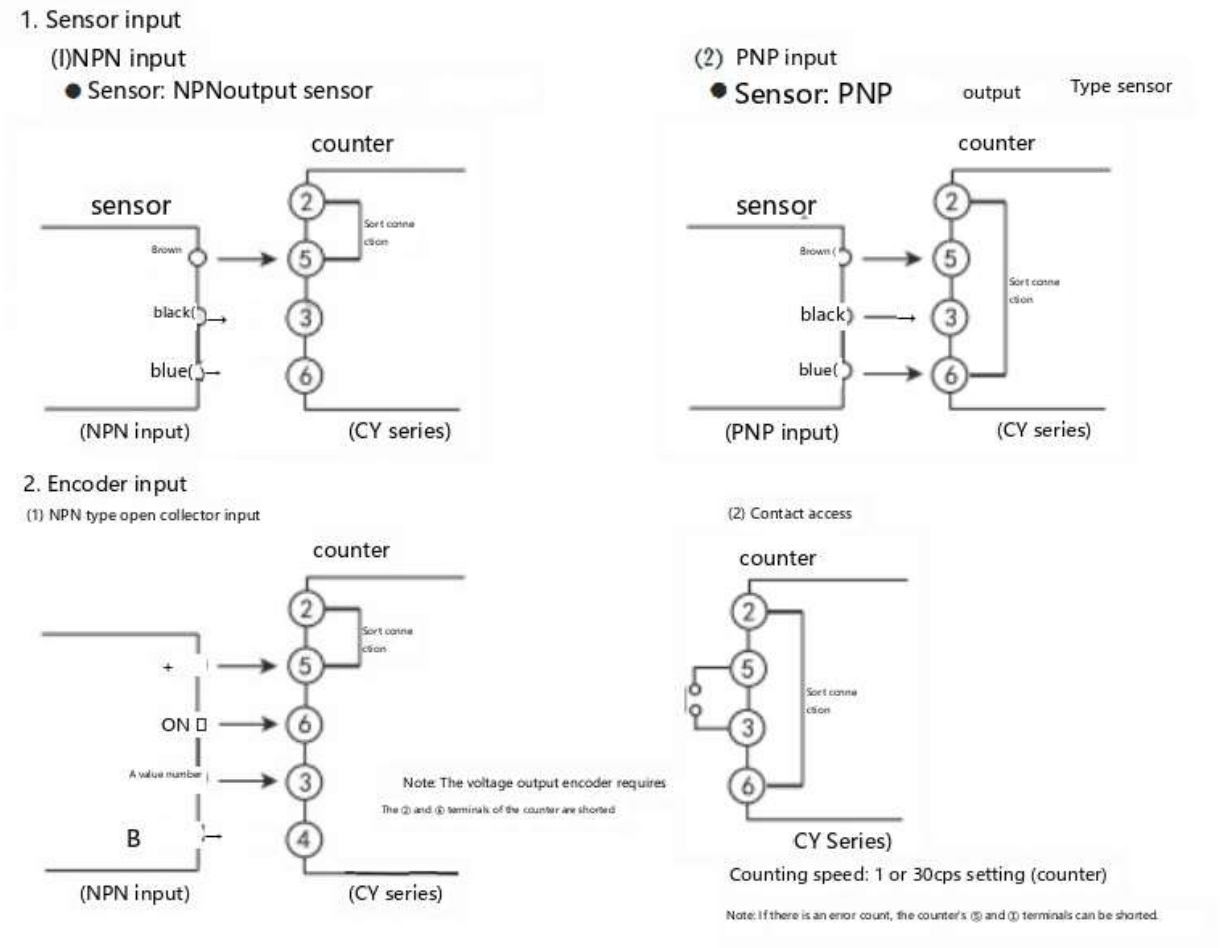
3. Technical parameters

series	CY
show	Double row six
power supply	AC/DC 100~240V 50/60Hz or DC 24V
The allowable voltage fluctuation range	90-110% of the rated voltage (AC power supply)
Input of INA, INB	1Hz, 30Hz, 300Hz, 1KHz, 5KHz, 10KHz can be supported
Input pulse width	RESET, 1ms or 20ms can be selected
enter	Voltage input: The input impedance is 5.4KO, "H" is DC5-30V, "L" is DC0-2V No voltage input: short circuit impedance is maximum 1KQ, residual voltage: maximum DC2V Open circuit impedance: maximum 100KQ
Time output delay	0.1~999.9s
Contact capacity	NO:AC 250V3A load NC: AC 250V 2A load
memory	>10 years
External sensor power supply	DC 12V±10% below 100mA
Use temperature	-10'C~50C (Unfreezing state)
Save temperature	-25C~65℃ (not frozen)
humidity	35-85%RH

4. wiring diagrams



5. Input connections



6. Operational processes

How to change the setting from 175 to 180

(1)

I the measurement state, pr ess MD Key entry set value

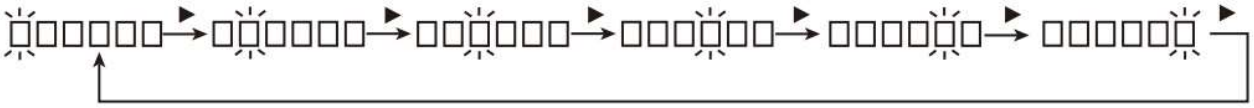
Modify status. Continue pressing Key, check

The number "7" makes it flicker.

(2)

press Key 1 time, will the number

"7" Modify to "8".



When measured, press Te key enters the setting value modification state, and the flashing order of the selected numbers is automatically cycled from left to right.

(3)

Continue pressing Key, check the number "5"

Make it flicker.

(4)

press Key 5 times to modify the number "5"

Is "0" press RST Ky to confirm modification and

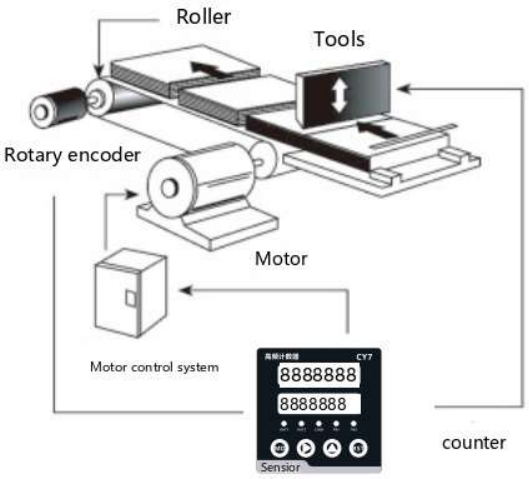
Rturns the measurement st atus.

7. scale factor function

Eample: The number of pulses P is the number of pulses that the rotary encoder rotates for one cycle, L is the measured length, and the coefficient value is equal to the length

The number of pulses rotated by the rotary encoder for one cycle represents the actual length corresponding to a pulse.

Counter and rotary encoder control length



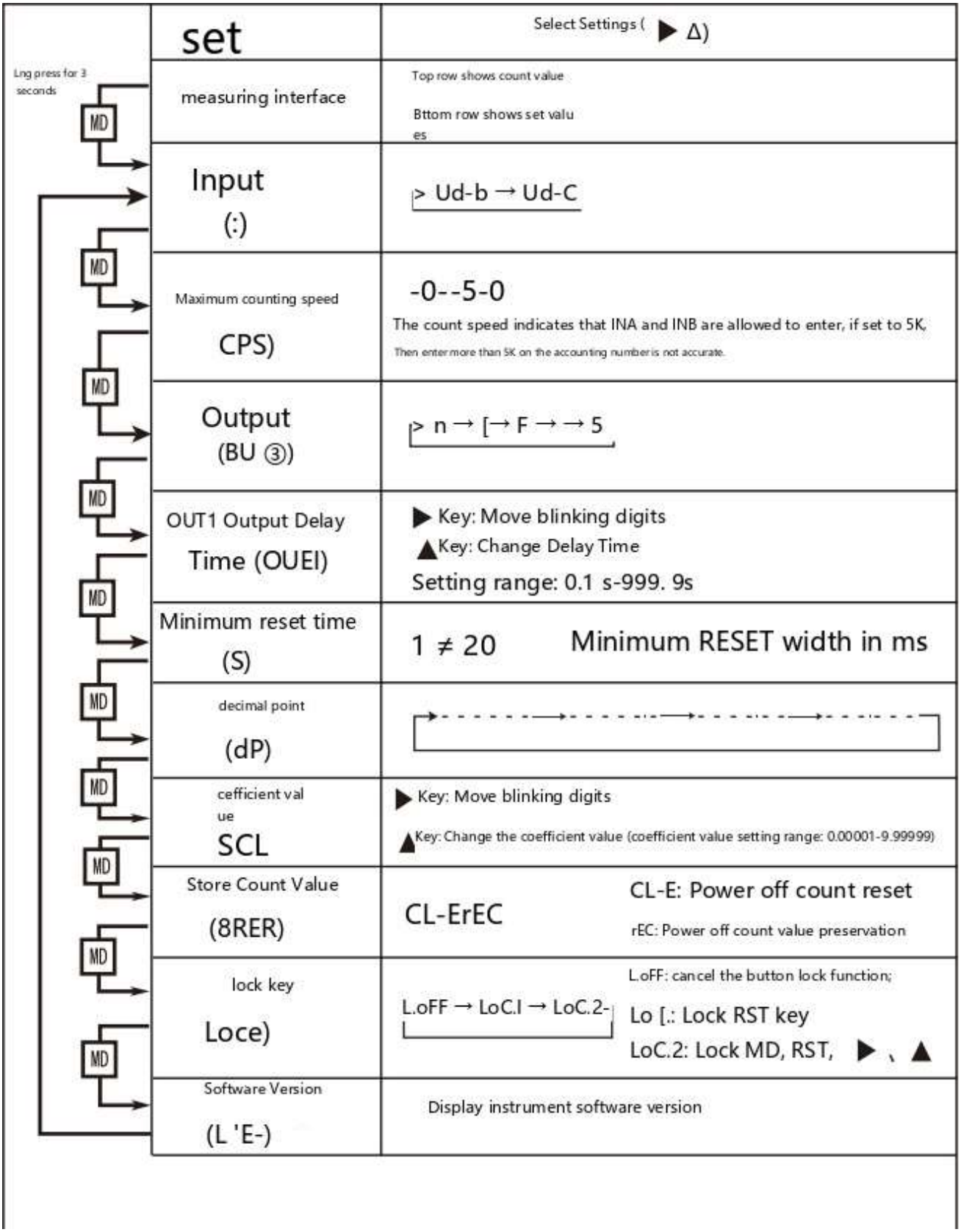
$$\text{Cefficient value} = \frac{\pi \times \text{diameter of roller (D)}}{\text{Number of pulses of the encoder}}$$

$$\text{Cefficient value} = \frac{3.1416 \times 22}{1000} = 0.069\text{mm/pulse}$$

Change the coefficient value to 0.069 in the coefficient setting menu in function settings

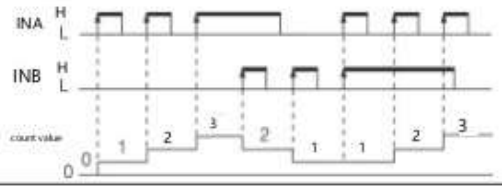
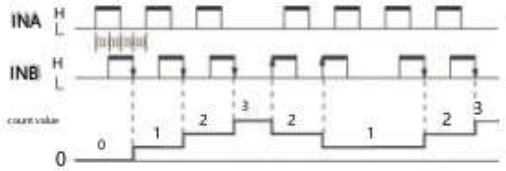
The roller diameter of this connecting encoder is 22mm. The number of pulses for one rotation of the encoder is 1000pcs

8. Counter function mode setting


set
Select Settings (▶ Δ)
Lng press for 3 seconds
MD
measuring interface
Top row shows count value
Bttom row shows set valu es
Input (:)
> Ud-b → Ud-C
Maximum counting speed
CPS)
-0--5-0
The count speed indicates that INA and INB are allowed to enter, if set to 5K,
Then enter more than 5K on the accounting number is not accurate.
Output (BU ③)
> n → [→ F → → 5
OUT1 Output Delay Time (OUEI)
▶ Key: Move blinking digits
▲Key: Change Delay Time
Setting range: 0.1 s-999. 9s
Minimum reset time (S)
1 ≠ 20
Minimum RESET width in ms
decimal point
(dP)
cefficient val ue
SCL
▶ Key: Move blinking digits
▲Key: Change the coefficient value (coefficient value setting range: 0.00001-9.99999)
Store Count Value
(8RER)
CL-ErEC
CL-E: Power off count reset
rEC: Power off count value preservation
lock key
Loce)
L.oFF → LoC.I → LoC.2-
L.oFF: cancel the button lock function;
Lo [.: Lock RST key
LoC.2: Lock MD, RST, ▶ 、 ▲
Software Version
(L 'E-)
Display instrument software version

9. Counter input action mode

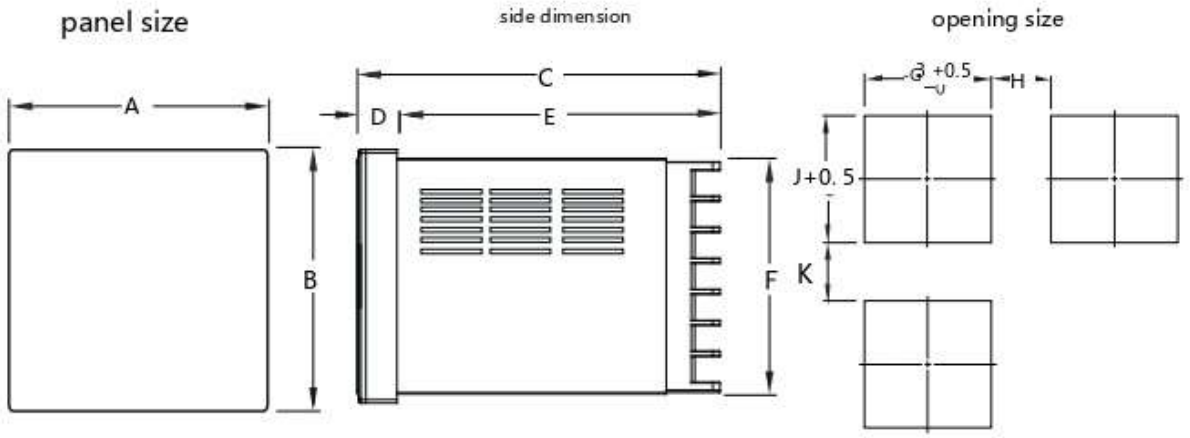
※ (B) : More than 1/2 of the minimum width

Input	counting chart	Remarks
Ud-b (Add/Subtract-B) Separate input		INA input pulse adds count INB input pulse is subtracted
Ud-c Phase difference input		INA is ahead of INB, plus count INA lags INB and subtracts Phase difference input (for rotary encoders)

※ When using the A and B phase outputs of the encoder. Please connect the input terminals of the instrument INA and INB, and

Set the input to Ud-C.

10. shape and mounting dimensions



model	A	B	C	D	E	F	G	H (Min)	J	K (Min)
CY7: (72 * 72)	72	72	74	4	70	60	66.5	25	66 · 5	25
CY8: (48 * 96	96	48	75	4	70	83-5	91	25	44 · 5	25

11. The counter outputs the mode of action that