

CVS Operation Manual



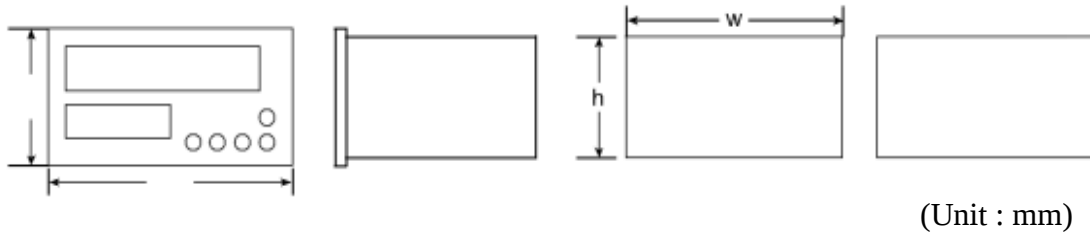
A. Feature

1. Smart key to lock parameters .And with parameter locking safety feature prevents other people free to modify;
2. Meter with double LED and 6-digital display. multi indicate the operating states;
3. Power supply with 9-36VDC or 90-265VAC;
4. EEPROM data memory and kept about 10 years;
5. CE certification and EMC Anti-interference;
6. Modulus free to set;
7. Manual and automatic reset feature;
8. Data memory when Power cut feature;
9. Free set output signal hold time.

B. Parameters

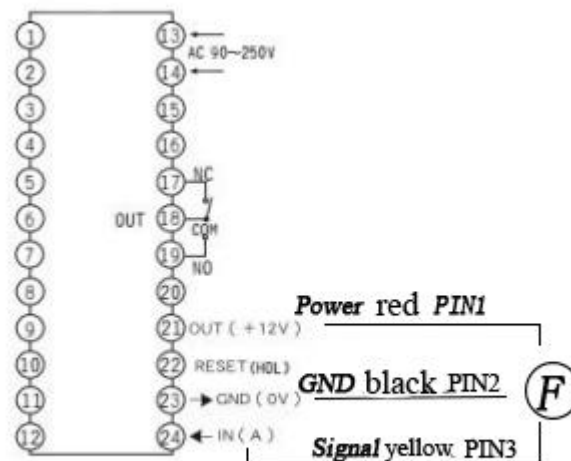
Same Para -meters	Supply	AC90-250V 50/60Hz(customized for AC/DC24V supply)
	Power	<3W
	Relays work life	Mechanical life: 500 million times Electrical life: 10 million times(Within the rated load)
	Relay capacity	250VAC/3A or 30VDC/5A
	Environment	-10 ~ 50 °C (no icing);35 ~ 85% RH (humidity)
	Insulation resistance	$\geq 20\text{M}\Omega$; 1.5KV/1M
	Input signal	Square wave, Positive wave Pulse signal $2\text{V} \leq H \leq 30\text{V}$; $0 \leq L \leq 1\text{V}$
	Input resistance	$\geq 10\text{K}\Omega$
	Supply Output	12V (80mA max)
	Weight	<500G
Counter Para -meters	Input Speed	30/1000cps
	Scaling factor range	00.000 ~ 99.999 or 0.00000 ~ 9.99999
	Output hold time	0.00 ~ 99.99S
	Total Range	00.0000 ~ 999999

C. Openings Size



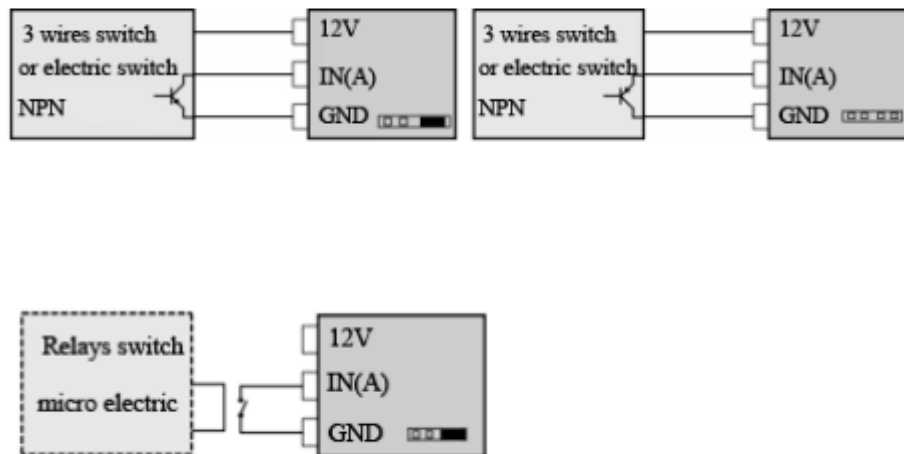
Model	Panel size H×W	Body size h×w×l	Cutting hole a×b
CXCVS7	72×72	68×68×94	69×69
CXCVS8	48×96	45.5×90.5×90	46.5×91.5

D. Wiring

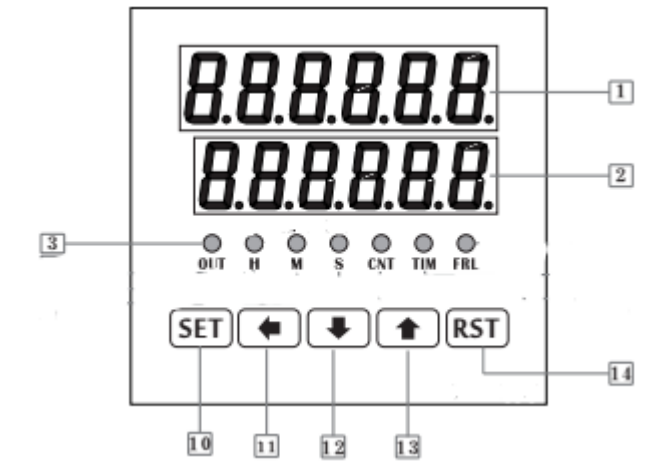


Note: If this wiring diagram and the actual instrument wiring diagram there is a difference, please press the actual meter wiring diagram.

E. Meter and sensor wiring



F. Instructions



Code	Attributes	Explanation
1	Top Red LED	Cumulative and Instantaneous value Display Window
2	Bottom green LED	Alarm Output set Display window
3	OUT (red)	Alarm light. Light when alarm is active (The timing mode is R, Shiny delay period, the lower the delay time countdown)
10	SET (green)	1. In normal indication, pressing the button 30 seconds to enter the parameter setting group. 2. In parameter edit mode, press to modify the value of the store and go to the next parameter
11	◀ Left Alarm Set	1. In normal display, press this key to enter the SV set value modification 2. In the parameter setting, press to enter the parameter modification mode 3. In parameter edit mode, press the flashing cursor can be rotated to the left to move
12	▼ Down Set	Parameter edit mode, press to move the cursor down to decrement the value at the blinking
13	▲ Up Set	Parameter edit mode, press to move the

		cursor blink values of increasing upward
14	Reset	In normal display, press this key to perform the count or time zero setting
12+13	▲▼ Complex	Any setting screen, press the key composite key to return to the normal display

G. Example

Item-1: For M2 flow sensor, the sensor K factor is:0.065mL/p

To measure instantaneous flow. The measuring unit is “mL/M”

To measure total flow volume. The measuring unit is “mL”

1.Setting Procedure

- 1) Wiring;(Refer the Wiring)
- 2) Power on;
- 3) Press the **SET** key over 5s , to enter the setup mode
- 4) Tap press **SET** key, to rolling down the parameters;
- 5) Rolling down to the parameter [C-D-P], to modify the Decimal.



to

To press the left key,the parameters will flash ,to press the up or down key to adjust the Decimal point.Press the **SET** key to confirm.

- 6) To press the **SET** key to set [C-P] set the total flow parameters . press the left key the



set

number flashing, press the *UP* or *DOWN* to set the parameter.

If the M2 $K=0.065\text{mL/M}$, please set C-P to 0.065 (the measuring unit will be mL)

7) Press to **SET** the[F-P]  To set the instance flow. If the M2 $K=0.065\text{mL/M}$, the parameter F-P shall be set to $0.065 \times 60 = 3.9$, then the measuring unit will be mL/M.

8) Press to set the RAN  Set the instance flow Decimal point ,tap the left key the parameters is flashing ,press the up or down key to set the Decimal point.

Item2: M9 test the total flow unit: L

Test the Instantaneous flow Unit : L/H

The k of M9, $K=5.1\text{ ml/p}$

1. Setting Procedure

1) Wiring; (Refer the Wiring)

2) Power on;

3) Press the **SET** key over 5s , to enter the setup mode

4) Tap press **SET** key, rolling down setting the parameters;



5) To set the [C-D-P]



Modify the Decimal

places. To press the **LEFT** key, the parameters is flashing, press the up or down key to adjust the place of Decimal point. Press the set key to confirm.

6) To press the **SET** key to set [C-P]



set

the total flow parameters. press the left key the number flashing, press the up or down to set the parameter.

If the M9 K=5.1ML/M, to set the 0.0051 (Unit: L)

7) Press to set the [F-P]



To set the instance

flow. If the M9 K=5.1mL/M, The unit is ml the parameters may be 18.36.

8) Press to set the [RAN]



Set the instance

flow plae of Decimal point, tap the lefe key the parameters is flashing, press the up or down key to set the Decimal point.

Item3: M12 test the total flow, unit: L

Test the Instantaneous flow , UNIT:L/H

The K of M12 K=17ml/P

1. Setting Procedure

1) Wiring; (Refer the Wiring)

2) Power on;

3) Press the **SET** key over 5s ,enter to the setup mode



4) Tap press **SET** key, rolling down setting the parameters;

5) To set the **[C-D-P]**



Modify the Decimal

places.To press the left key,the parameters is flashing ,press the up or down key to adjust the place of Decimal point.Press the set key to confirm.

6) To press the set key to set **[C-P]**



set the

total flow parameters . press the left key the number flashing, press the up or down to set the parameter.

If the M12 K=0.17Ml/p, to set the 0.017 (Unit: L)

7) Press to set the **[F-P]**



To set the instance

flow.If the M12 K=17mL/p,The unit is ml the parameters

may be $17 \times 60 / 1000 = 1.02$ (unit: L/M)

8) Press to set the **[RAN]**



Set the instance

flow plae of Decimal point ,tap the lefe key the parameters is flashing ,press the up or down key to set the Decimal point.



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