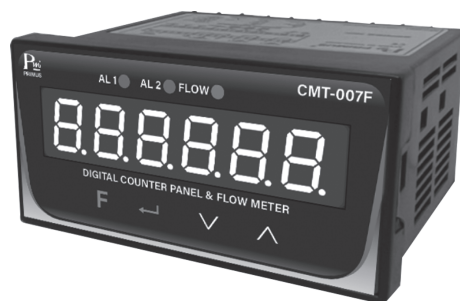




Specification

Power Supply		220VAC $\pm 15\%$ 50/60Hz
		24VAC/VDC $\pm 15\%$
Power Consumption		3VA
Display	Size	7 Segment, 6 Digit, Size 0.56 Inch
	Range Display	0 to 999999
Input	Input Frequency	0.5 to 100 Hz
	Counter Accuracy	$\pm 0.5\%$ F.S.
	Counter Accuracy	$\pm 1 : 999999$ Count
	Input Type	Photoswitch, Proximity, Contact, NPN, PNP
	Source for Sensor	24VDC/100mA
	Decimal Point	0 to 0.00000
	Timer (Input Delay)	0.00 to 10.00 Second
	Timer Accuracy	± 0.010 Second
	Contac Input	PV Swap, Reset Alarm, Reset Counter Volume
Relay Output	Relay Output 1	Contact NO 5A/250VAC, Contact NC 3A/250VAC
	Relay Output 2	Contact NO 5A/250VAC
Communi- cation	Protocol	Modbus RTU
	Baud Rate	4800, 9600, 19200, 38400, 57600 bps
	Parity	None, Even, Odd
	Stop Bits	1, 2
	Data Bits	8 Bits
Ambient Operation	Address	1 to 255
	Temperature	-10 °C to 60 °C
Ambient Storage	Humidity	85% RH Non-Condensing
	Temperature	-20 °C to 80 °C
Protection Degree	Humidity	85% RH Non-Condensing
	Front Protection Rating	IP52
Installation	Case Protection Rating	IP30
Material		Panel Mounting
Size (mm.)		ABS-V0
Wiegth (kg.)		48 x 96 x 80
		230

Description

- **Digital Counter Panel & Flow Meter:** CMT-007F Series A digital flow meter and totalizer combined in a single unit, designed for measuring water volume and displaying water flow rate.
- Displays values using a 6-digit 7-segment display, 0.56-inch size.
- **Allows screen switching** between total water volume and water flow rate via the front panel button.
- **Built-in DC power supply for Water Meter:** 24 VDC, 100 mA.
- **Accepts pulse input from Water Meters** (Contact, NPN, PNP).
- **Pulse per liter can be configured** according to the electronic pulse specification of the water meter.
- **Selectable count (total volume) units:** L, m³.
- **Selectable flow rate units:** l/s, l/min, l/hr, m³/s, m³/min, m³/hr.
- **2 Alarm Relay Outputs** with 4 selectable alarm functions.
- **Digital Inputs** for Reset Count, Reset Alarm, and Reset Total.
- **Supports communication with computers via RS-485 Modbus RTU.**

Operation

Digital Counter Panel & Flow Meter : CMT-007F Series is a digital device that combines water volume counting and water flow rate indication in a single unit. The display can be switched between volume and flow rate simply by pressing the button on the front panel.

Display Mode

- **Counter Unit** allows setting Pulse/Liter according to the specification of the installed electronic pulse, and supports two selectable units for water volume display: Liter (L) and Cubic Meter (m³).

- Flow displays the water flow rate in 6 selectable units: Liter per second (l/s), Liter per minute (l/min), Liter per hour (l/hr), Cubic meter per second (m³/s), Cubic meter per minute (m³/min), Cubic meter per hour (m³/hr).

- The unit is equipped with an internal DC Source 24VDC 100mA to supply power to the electronic pulse device without the need for an external switching power supply.

4 Alarm Relay Output Functions are available

Absolute High Low Band Alarm for example when the count is lower than Setpoint Low and higher than Setpoint High, the relay output will be activated.

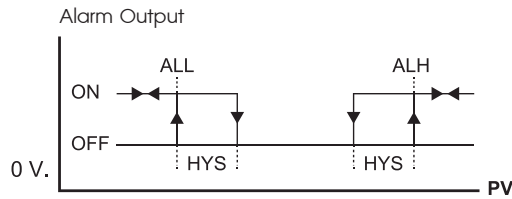
Absolute High Alarm for example when the count is higher than Setpoint High, the relay output will be activated.

Absolute Low Alarm for example when the count is lower than Setpoint Low, the relay output will be activated.

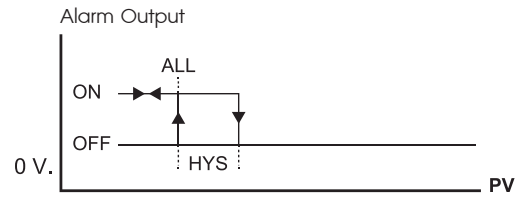
Absolute High Low Range Alarm for example when the count is higher than Setpoint Low and lower than Setpoint High, the relay output will be activated.

Alarm Function

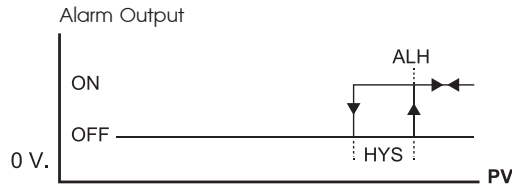
1. Absolute value High Low Band Alarm



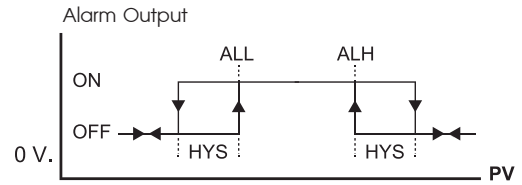
3. Absolute value Low Alarm



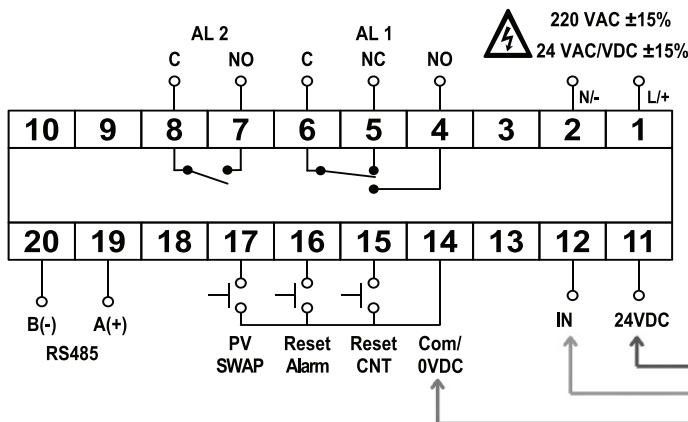
2. Absolute value High Alarm



4. Absolute value High Low Range Alarm



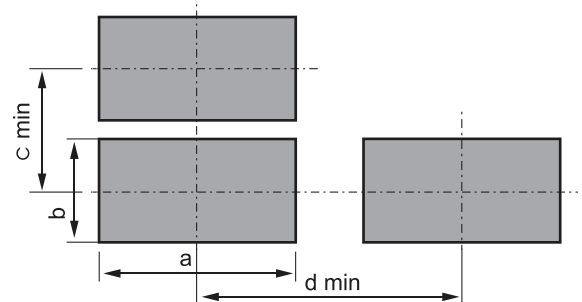
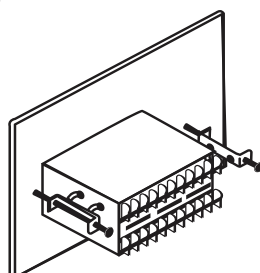
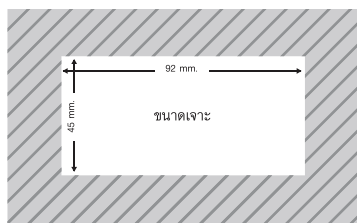
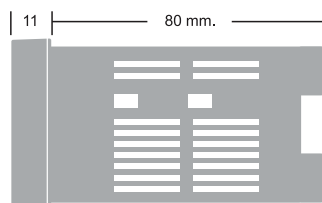
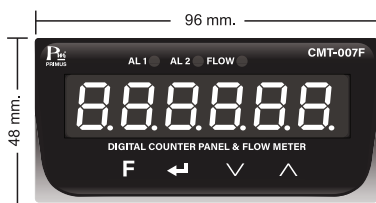
Wiring Diagram



CPR-M3-I can be connected with WS-02-1

GBM-I can be connected with WS-02-1

Dimension



Model	a	b	c	d
CMT-007F	92	45	60	120

Unit : ±0.6 mm.

Ordering Code

CMT-007F- -

Option		Power Supply	
None	None	220	220VAC ±15%
M	RS-485	24	24VAC/VDC ±15%