



Description

- CM-006N is a digital temperature indicator.
- Supports thermocouple type K, J, and PT100 and selectable via keypad.
- 7-segment, 4-digit display with clear visibility.
- Decimal point adjustable to 1 position.
- Measurement units selectable in °C / °F.
- High accuracy and easy to operate.
- Suitable for monitoring temperature in ovens, stoves, chillers, steam rooms, heaters, cooling machines, etc.
- Alarm function configurable via keypad, supporting High Alarm, Low Alarm, and High/Low Alarm.

Application

- Install inside control cabinet.
- Display temperature value.
- Industrial food factory.
- Industrial chemical factory.

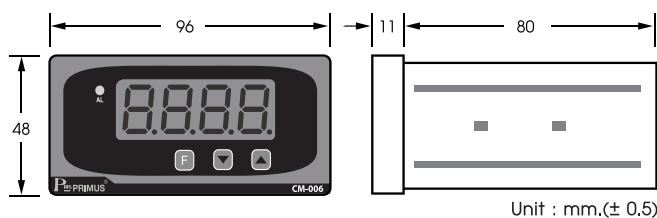
Specification

Power Supply		220 VAC ±15 % 50-60 Hz
		110 VAC ±15 % 50-60 Hz
		24 VAC/VDC ±15 %
Power Consumption		3 VA
Display		7-Segment, Size 0.56 Inch, 4 Digit
		1 LED (Show Alarm Relay)
Input	Input Type	Thermocouple Type K
		Thermocouple Type J
		RTD, PT100
	Impedance	> 1 M Ω
	Accuracy	± 0.5 % of Full Scale
	Bias Current	0.12 mA for RTD
	Response Time	125 mSec.
Output		1 Alarm 5A/250VAC
Ambient Operation	Temperature	-10 °C to 60 °C
	Humidity	85 % RH Non-Condensing
Ambient Storage	Temperature	-20 °C to 80 °C
	Humidity	85 % RH Non-Condensing
Protection Degree	Front Protection Rating	IP52
	Case Protection Rating	IP30
Installation		Panel, Mounting
Material		ABS-V0
Size		48 x 96 x 80 mm.
Weight		225 g.

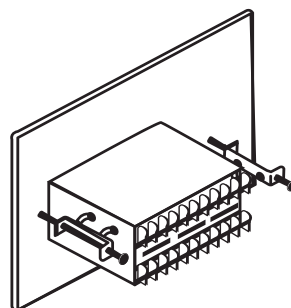
Table 1. Select input sensors and setting range.

Symbol	Input Type	Setting Range/Display Range	
		Non-decimal point	Decimal point
00	Thermocouple Type K	-200 ~ 1372 °C	-199.9 ~ 999.9 °C
		-328 ~ 2501 °F	-199.9 ~ 999.9 °F
01	Thermocouple Type J	- 200 ~ 1200 °C	-199.9 ~ 999.9 °C
		- 328 ~ 2192 °F	-199.9 ~ 999.9 °F
02	PT100	- 200 ~ 850 °C	-199.9 ~ 850.0 °C
		- 328 ~ 1562 °F	-199.9 ~ 999.9 °F

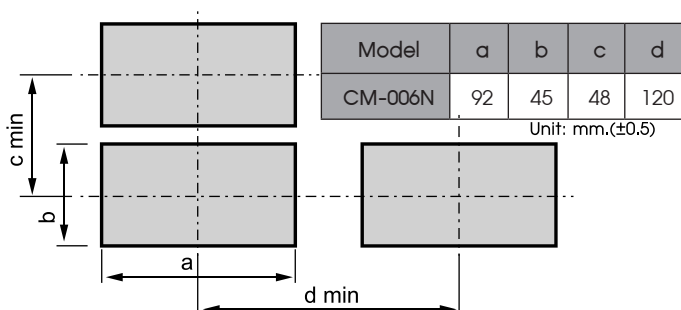
Dimension



Installation

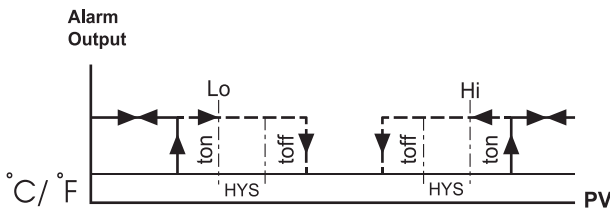


Channel cutting size

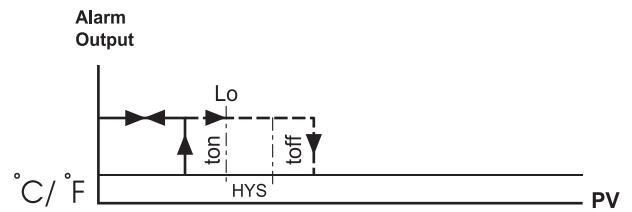


ALARM FUNCTION

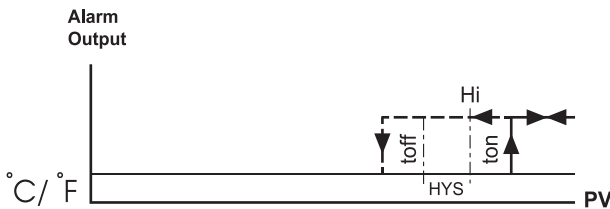
1. Absolute value High Low Band Alarm



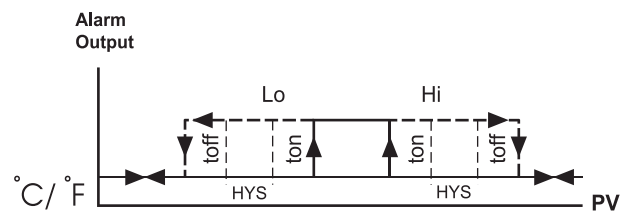
3. Absolute value Low Alarm



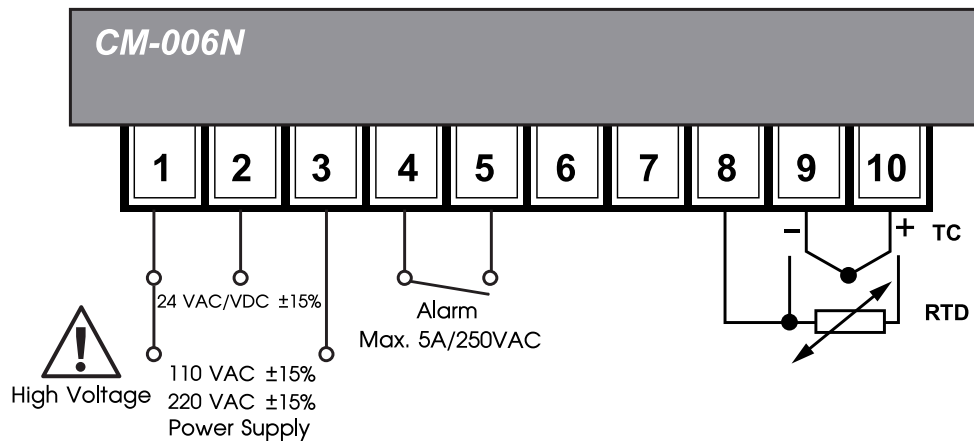
2. Absolute value High Alarm



4. Absolute value High Low Band Alarm



Wiring Diagram



- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Ordering Code

CM-006N-



Code	Power Supply
024	24 VAC/VDC ±15%
110	110 VAC ±15%
220	220 VAC ±15%