



**TECHNICAL SPECIFICATION**

Power Supply		220 VAC ±10 % 50-60 Hz
		110 VAC ±10 % 50-60 Hz
		10 - 24 VAC/VDC
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.

**DESCRIPTION**

- The CM-006N is a digital display
- Get input from Thermocouple Type K, J or PT100 in the same. Optionally set by Keypad Switch
- Display with 7-Segment 4-digit visible number
- Can set a decimal point
- High accuracy measurement And easy to use
- Suitable for measuring or changing the temperature inside the oven, oven, freezer, cold room, heater, Refrigeration
- Alarm Function is set by Keypad Switch. There are many option including High Alarm, Low Alarm and High-Low Alarm

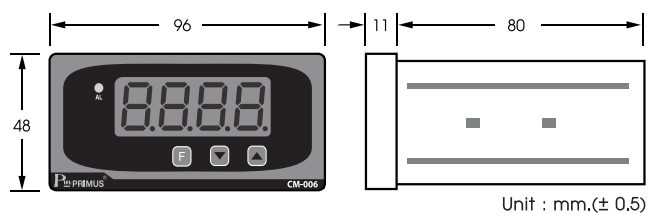
**APPLICATION**

- Installed in cabinets
- To display temperature value
- Food industry
- Chemical industry

Table 1. Select input sensors and setting range.

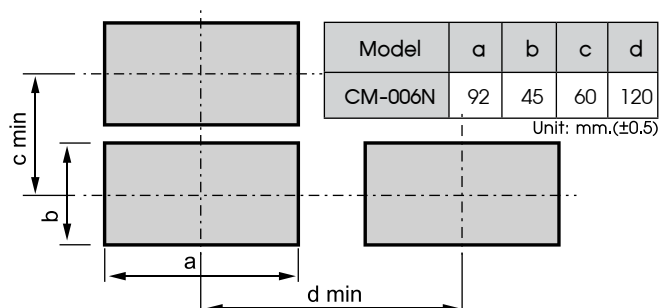
Symbol	Input Type	Setting Range/Display Range	
		Non-decimal point	Decimal point
00	Thermocouple Type K	-200 ~ 1372	-199.9 ~ 999.9
01	Thermocouple Type J	-200 ~ 1200	-199.9 ~ 999.9
02	Pt100	-200 ~ 850	-199.9 ~ 850.0

**DIMENSION**

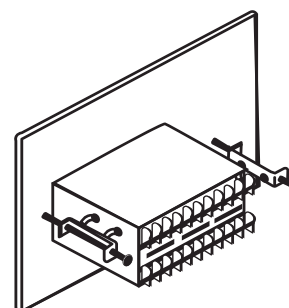


Unit : mm.(± 0.5)

**CUTTING PANEL**

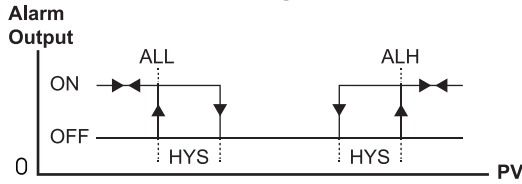


**INSTALLATION**

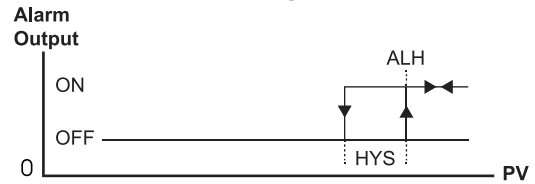


**ALARM FUNCTION**

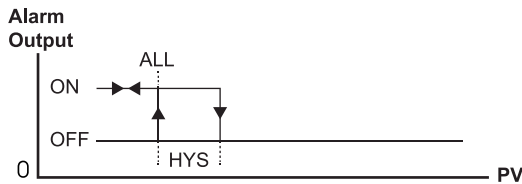
**1. Absolute value High Low Band Alarm**



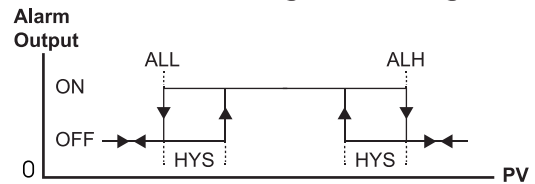
**2. Absolute value High Alarm**



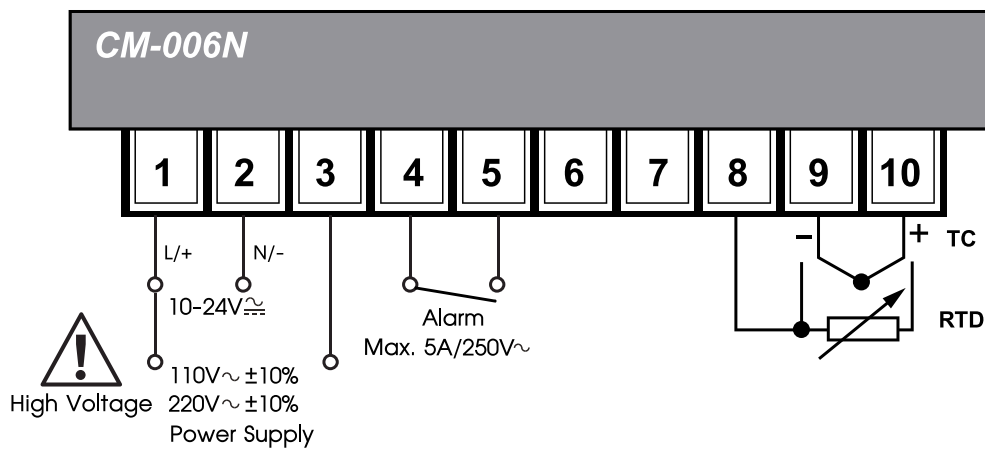
**3. Absolute value Low Alarm**



**4. Absolute value High Low Range Alarm**



**WIRING DIAGRAM**



**WARNING**

- 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	10-24 VAC/VDC
110	110 VAC
220	220 VAC