



**DESCRIPTION**

- The CM-004N is a digital display that accepts 0-10 VDC, 0-20 mA and 4-20 mA inputs
- Display with 7-Segment red 4 digits, 0.56 inches
- Outputs from -1999 to 9999 can be set up to 3 decimal places
- High Limit and Low Limit Range can be set by setting the Keypad Switch
- Small, compact. Suitable for mounting the cabinet. With limited space
- Suitable for installation in control cabinet. To show the speed of the motor from the inverter or DC Drive is
- Alarm Function is set by Keypad Switch. There are many options including High Alarm, Low Alarm and High-Low Alarm
- 12VDC power supply for Transducer

**APPLICATION**

- Installed in cabinets.
- Display of all the processes from the standard analog signal
- Food industry
- Chemical industry

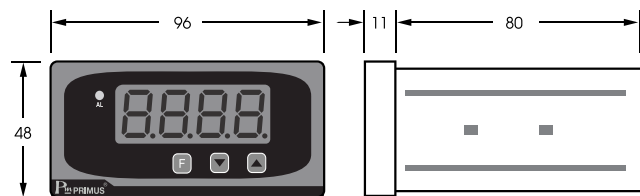
**TECHNICAL SPECIFICATION**

Power Supply		220 VAC ±10% 50-60 Hz	
		110 VAC ±10% 50-60 Hz	
		24 VAC/VDC	
Power Consumption		3 VA	
Display		7-Segment, Size 0.56 Inch, 4 Digit	
		1 LED (Show Alarm Relay)	
Input	Voltage	Range	0-10 VDC
		Accuracy	± 0.5% of Full Scale
		Impedance	10 kΩ
	Current	Range	0-20 mA
			4-20 mA
		Accuracy	± 0.5% of Full Scale
		Impedance	120 Ω
	Response Time		62.5 mSec
DC Source for Sensor		12 VDC , 50 mA	
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.		

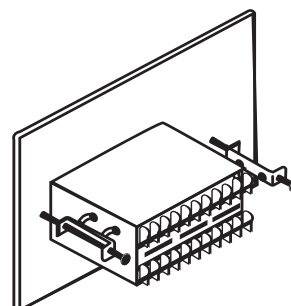
Table 1. Select input sensors and setting range.

Symbol	Input Type	Setting Range/Display Range	
		Non-decimal point	Decimal point
00	0-20mA	-1999 ~ 9999	-199.9~999.9
01	4-20mA		-19.99 ~ 99.99
02	0-10VDC		-1.999~9.999

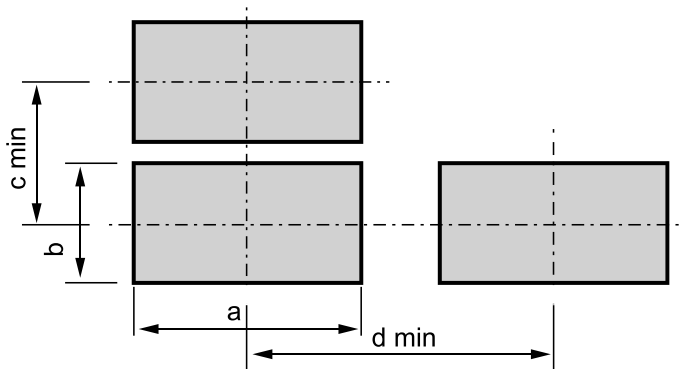
**DIMENSION**



**INSTALLATION**



CUTTING PANEL

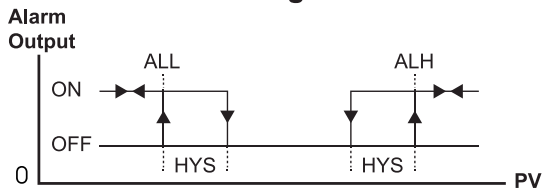


Model	a	b	c	d
CM-004N	92	45	60	120

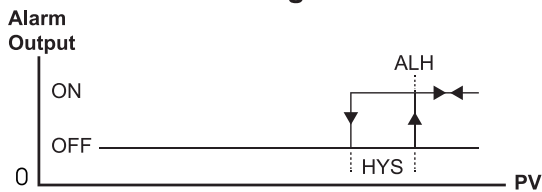
Unit: mm.(±0.5)

ALARM FUNCTION

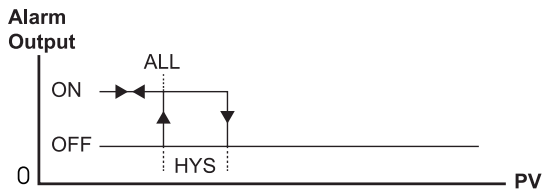
1. Absolute value High Low Band Alarm



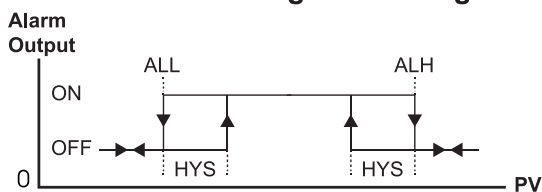
2. Absolute value High Alarm



3. Absolute value Low Alarm

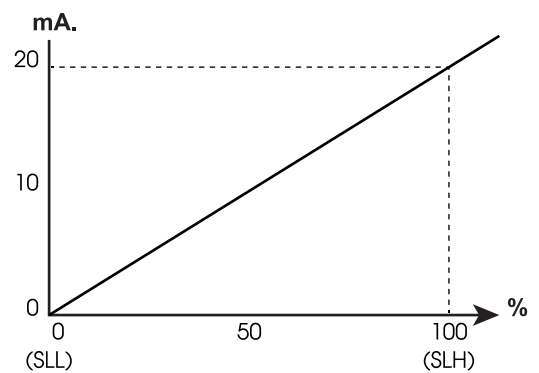


4. Absolute value High Low Range Alarm

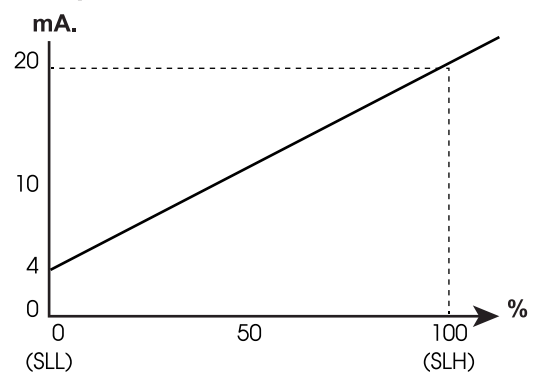


DISPLAY SCALING FOR ANALOG

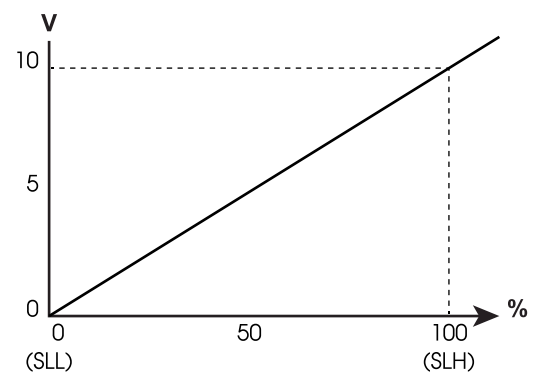
1. Input 0-20 mA.



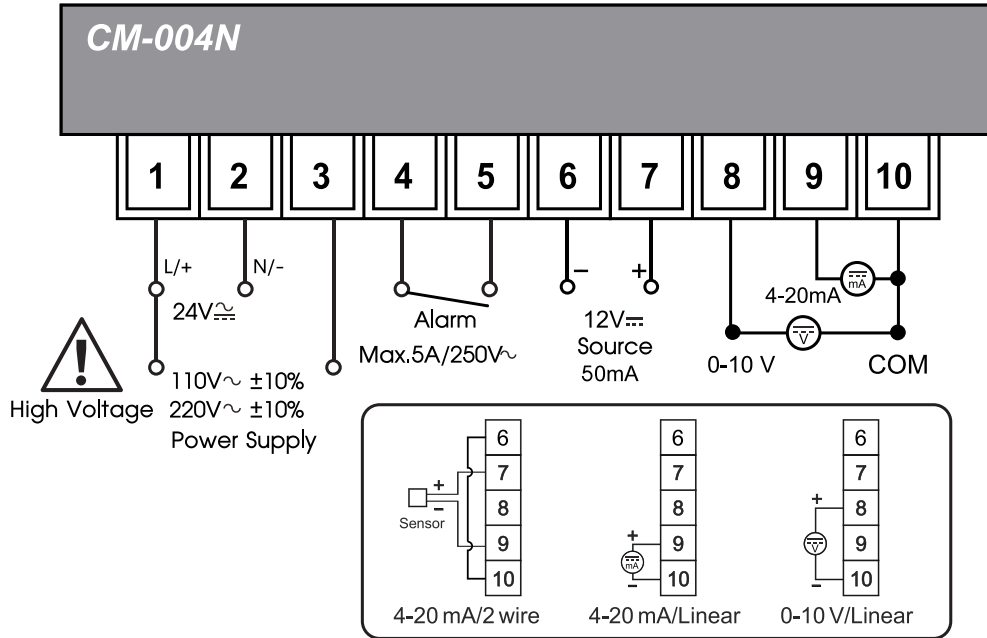
2. Input 4-20 mA.



3. Input 0-10 VDC



**WIRING DIAGRAM**



<p><b>WARNING</b></p>	<ul style="list-style-type: none"> <li>• Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.</li> </ul>
	<ul style="list-style-type: none"> <li>• Never modify the unit to prevent damage or incident such as malfunction and fire etc.</li> </ul>

**ORDERING CODE**

CM-004N-

Code	Voltage Supply
024	24 VAC/DC
110	110 VAC
220	220 VAC