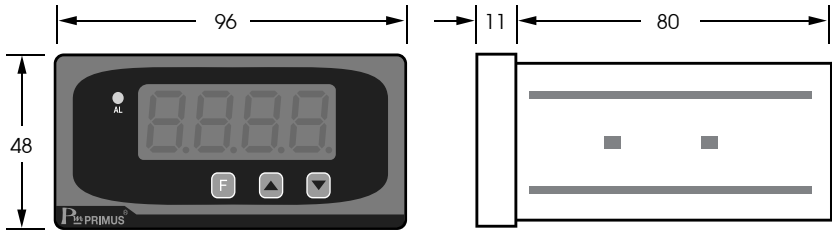




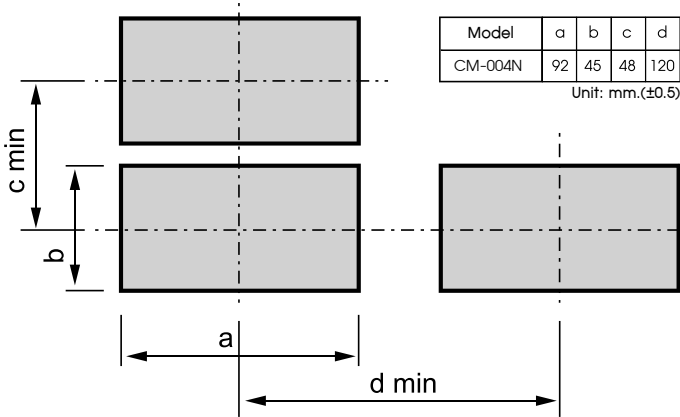
TECHNICAL SPECIFICATION

Model			CM-004N-220	CM-004N-110	CM-004N-024
Power Supply			220 VAC ±15% 50/60 Hz	110 VAC ±15% 50/60 Hz	12 ~ 30 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		24 VDC (No Load)		12 VDC (No Load)	
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.		

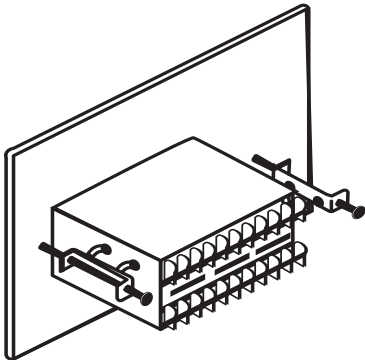
DIMENSION Unit : mm.(± 0.5)



CUTTING PANEL



INSTALLATION



DESCRIPTION

- CM-004N is a digital indicator receive input 0-10 VDC, 0-20 mA and 4-20 mA in one device.
- Display by 7-Segment 4 digit size 0.56 inch.
- Shows result since -1999 to 9999 and user can set up to 3 decimal places.
- Can set High Limit and Low limit Range set by keypad switch.
- Small and compact size is suitable for panel works in limited space.
- Suit to install in control cabinet for showing motor speed from Inverter, DC Drive etc.
- Alarm function set by keypad switch and user can choose several functions such as High Alarm, Low Alarm and High-Low.
- Power supply 24 VDC (No Load) enough supply for transducer.

OPERATION

- Install in control cabinets.
- Display process values in form of standard signal.
- Food and beverages Industry.
- Chemical Industry.

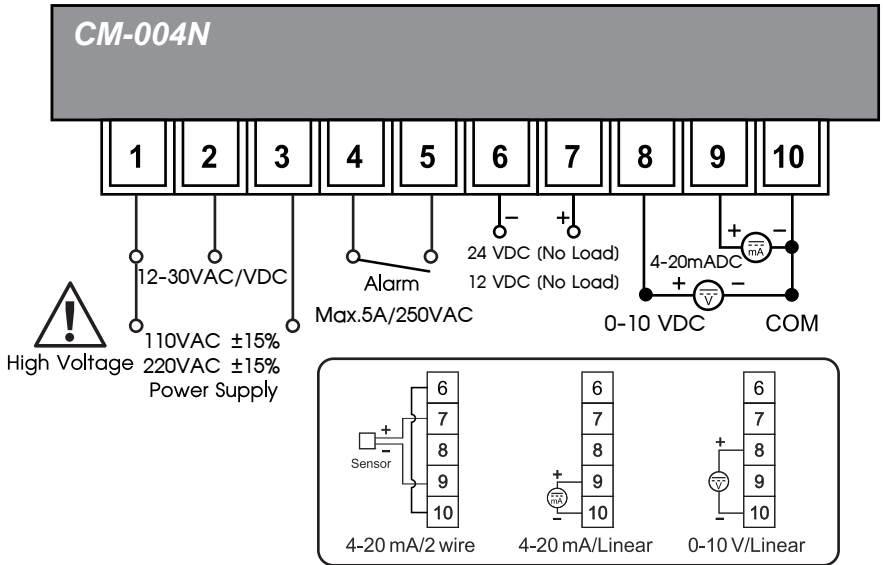
Table 1. Select input sensors and setting range.

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

Table 2. Setting input Analog range.

Symbol	Input Type	Setting Range/Display Range
00	0-20mA	0.00 ~ 20.00
01	4-20mA	4.00 ~ 20.00
02	0-10VDC	0.00 ~ 10.00

WIRING DIAGRAM



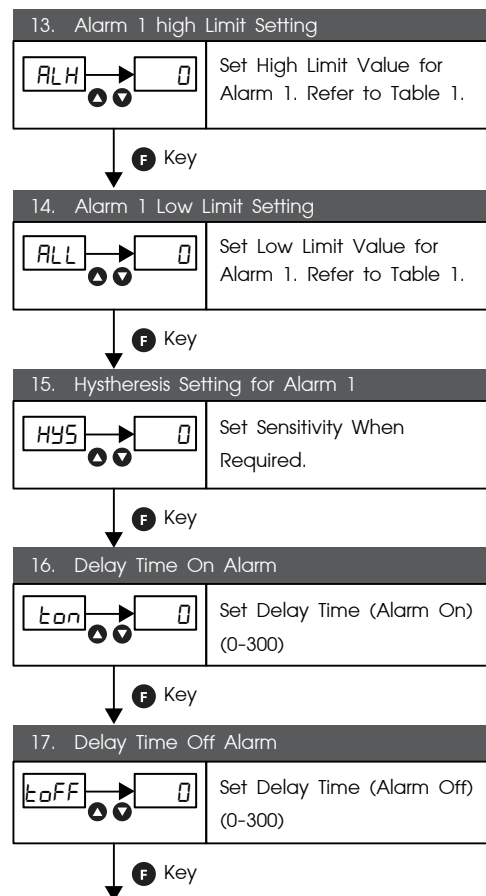
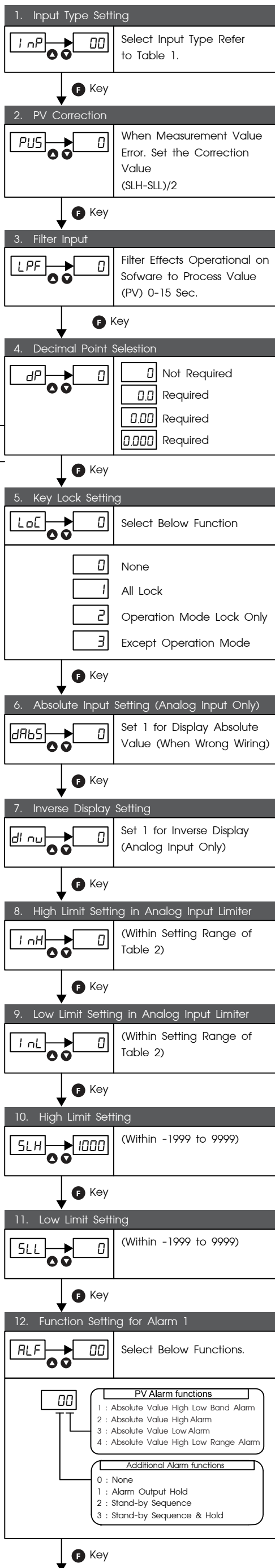
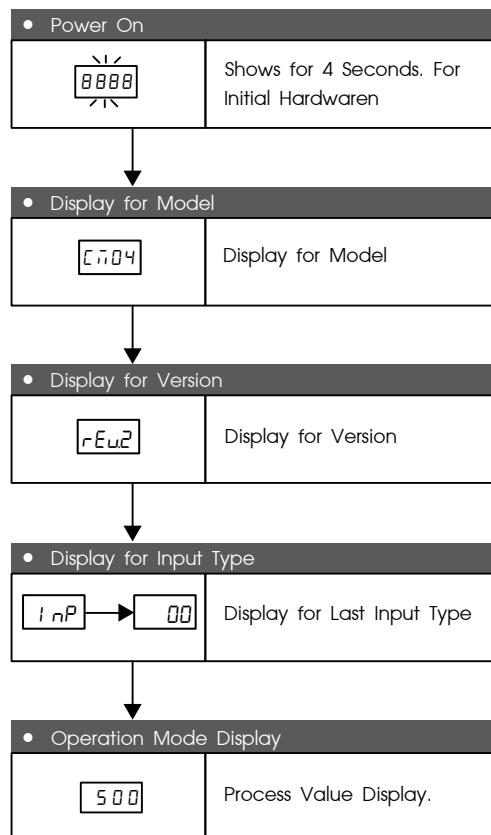
• Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.

• Never modify the unit to prevent damage or incident such as malfunction and fire etc.

ORDERING CODE

CM-004N -

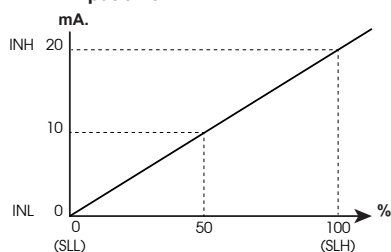
Code	Power Supply
024	12-30 VAC/VDC
110	110 VAC ±15%
220	220 VAC ±15%



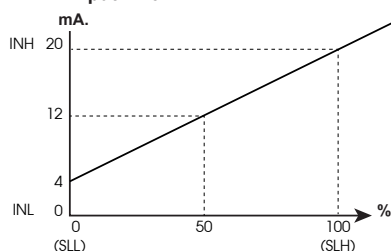
■ DISPLAY SCALING FOR ANALOG

Normal Mode ($dInu = 0$)

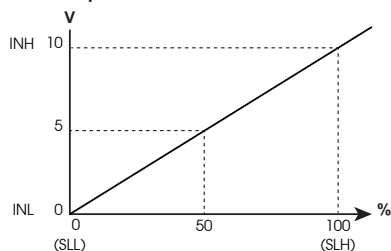
1. Input 0-20 mA.



2. Input 4-20 mA.

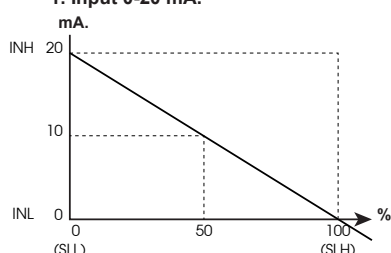


3. Input 0-10 VDC

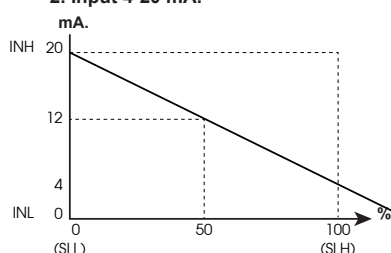


Inverse Mode ($dInu = 1$)

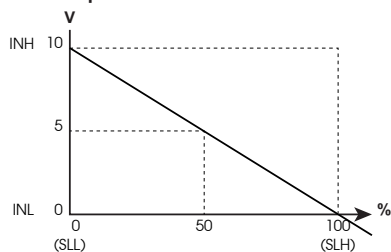
1. Input 0-20 mA.



2. Input 4-20 mA.



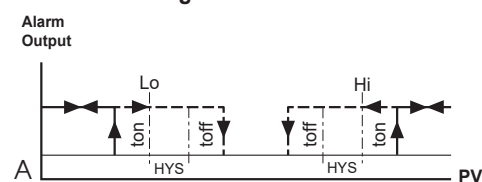
3. Input 0-10 VDC



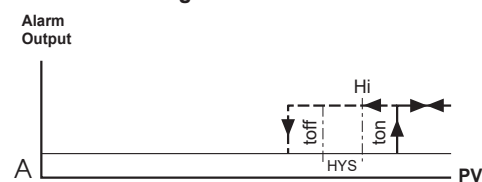
■ ALARM OUTPUT : Process value (PV) to be used as Alarm Output

Stand-by sequence : After starting operation of step, alarm output does not turn on unless the process value reach the value of OFF position of alarm output.

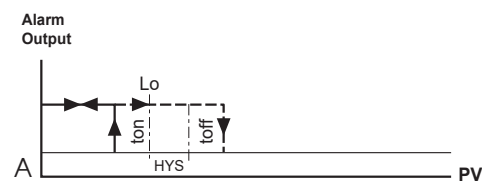
1. Absolute value High Low Band Alarm



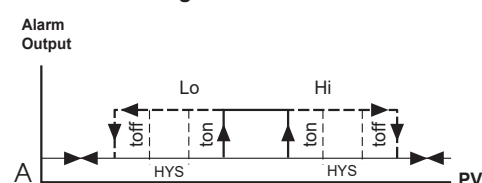
2. Absolute value High Alarm



3. Absolute value Low Alarm



4. Absolute value High Low Band Alarm



CM-004N-A