



CM-002N

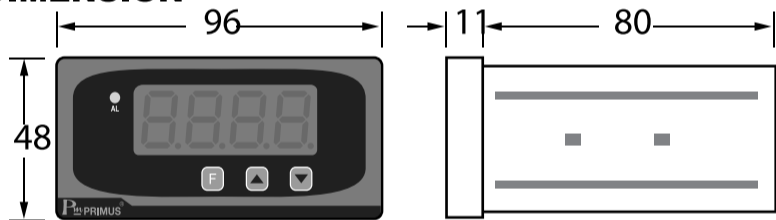


DCM-002N

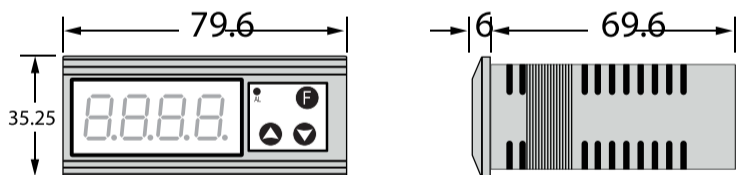
TECHNICAL SPECIFICATION

Model		CM-002N	DCM-002N
Power Supply		220 VAC +-10 % 50-60 Hz	
		110 VAC +-10 % 50-60 Hz	
		10 - 24 VAC/VDC	
Power Consumption		3 VA	2.5 VA
Display		7-Segment, 4 Digit	
		Size 0.56 Inch	Size 0.39 Inch
Input	AC	Current (Direct)	0 to 5 Amp
		Current With CT	0 to 9999 Amp
		CT Ratio	1 to 2000
		Input Impedance	< 1 Ohm
		Accuracy	0.5% of Full Scale
	DC	Range	0-75 mVDC
			0-150 mVDC
		Setting Scale	0-9999
		Input Impedance	< 1 MOhm
		Accuracy	± 0.5% of Full Scale
Output		1 Alarm 5A/250 VAC	1 Alarm 3A/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.	35.25 x 79.6 x 69.6 mm.
Weight		225 g.	150g.

DIMENSION

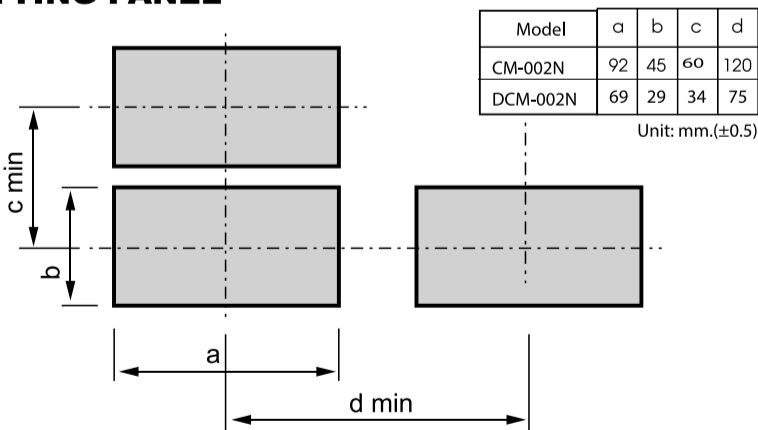


CM-002N

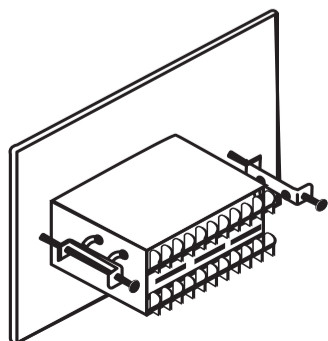


DCM-002N

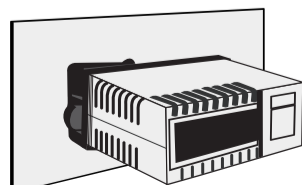
CUTTING PANEL



INSTALLATION



CM-002N



DCM-002N

DESCRIPTION

- AC current measurement and display meter TRUE RMS at 50-60 Hz frequency And direct current (DC)
- Measuring area 0 - 5 A (Direct), 0 - 9999 A (With CT 5A)
- Measuring area 0 - 75 mVDC / 0 - 150 mVDC for R-Shunt to measure DC power
- Display with 7-Segment 4 digits, 0.56 inches (for CM-002N) and size 0.39 inches (for DCM-002N)
- There is 1 Alarm Relay Output with 4 Alarm Function in the settings.
 - Absolute Value High Low Band Alarm
 - Absolute Value High Alarm
 - Absolute Value Low Alarm
 - Absolute Value High Low Range Alarm
- The CT Ratio can be set from 1 - 2,000 (10,000 / 5A).
- Available in 2 sizes, CM-002N (48 x 96 mm.) And DCM-002N (33.25 x 79.6 mm.)

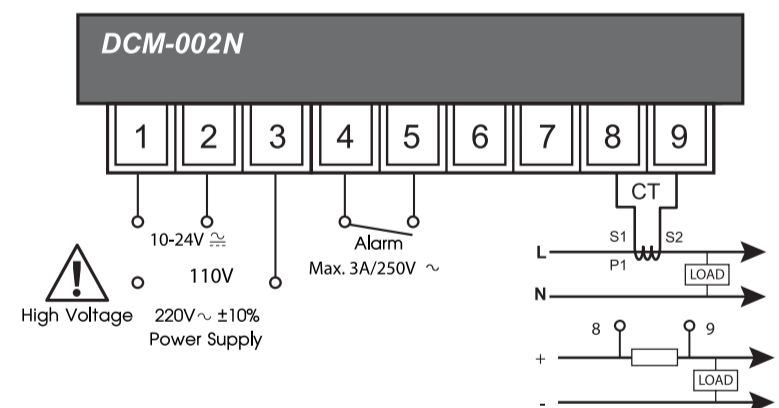
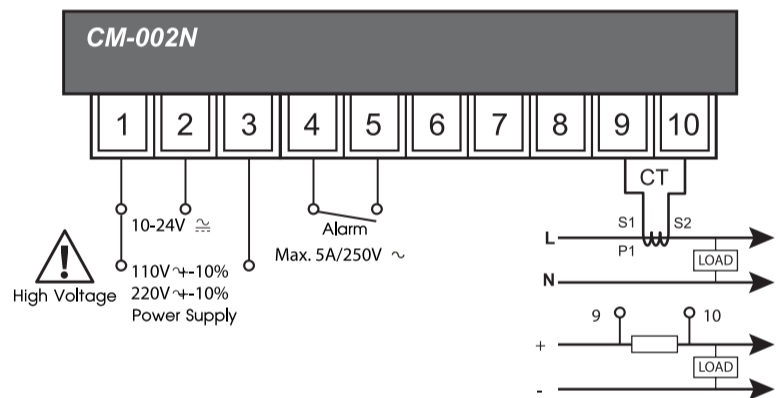
OPERATION

CM - 002N / DCM - 002N Is a device to measure and display alternating current (AC) values, which can be connected with CT measurement area 0-9999 A and can be directly connected to 0 - 5 A. For DC current models can be connected to R - Shunt to measure current in the system with a measurement area of 0 - 75 mV or 0 - 150 mV to choose in the same In addition, the program can scale, the input and display area, such as Input 0 - 75 mV can be programmed to receive 0 - 150 mV input and display the value from 0 - 9999. There is a Alarm 1 Alarm Relay Output with 4 Function in setting for Load editing as needed

APPLICATION

- Installed in the control cabinet
- To show the current value
- Food industry factory
- General industrial plants

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-002N -	INPUT	-	POWER SUPPLY
	1 AC Input	-	024 10-24 VAC/VDC
	2 DC Input	-	110 110 VAC
		-	220 220 VAC

DCM-002N -	INPUT	-	POWER SUPPLY
	1 AC Input	-	024 10-24 VAC/VDC
	2 DC Input	-	220 220 VAC

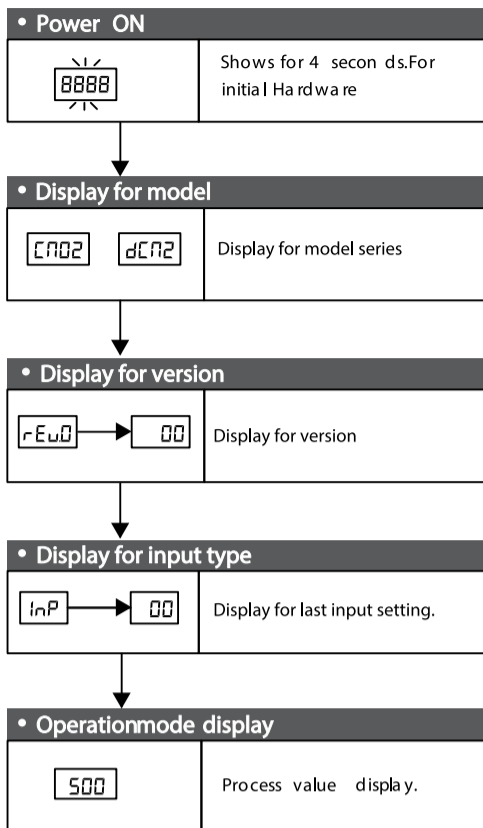
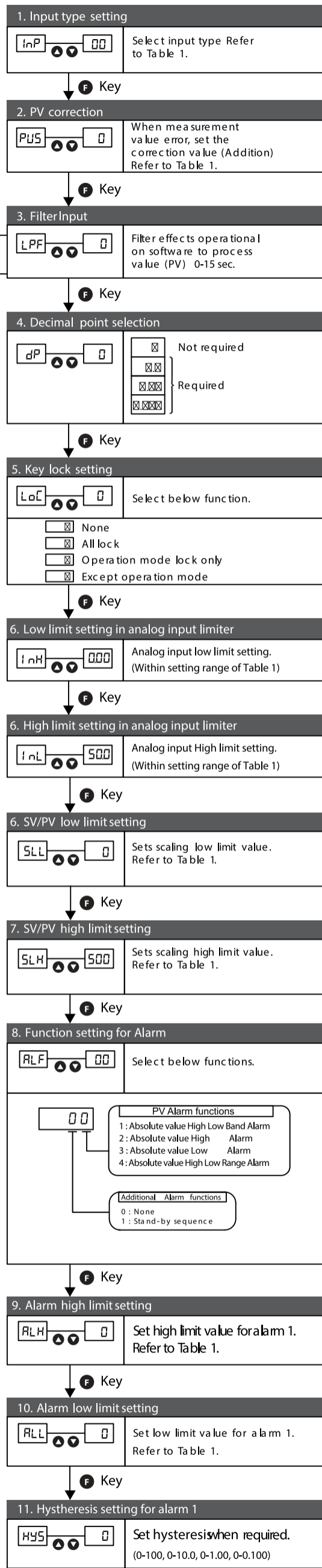


Table 1. Select input sensors and setting range.

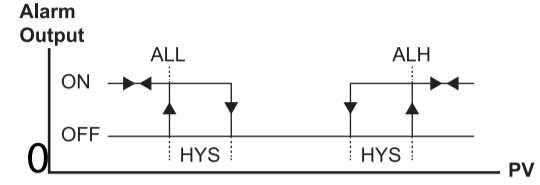
Symbol	Input Type	Setting Range/Display Range	
		Non-decimal point	Decimal point
00	0-75 mV		-199.9 ~ 999.9
01	0-150 mV	-1999 ~ 9999	-19.99 ~ 99.99
			-1.999 ~ 9.999



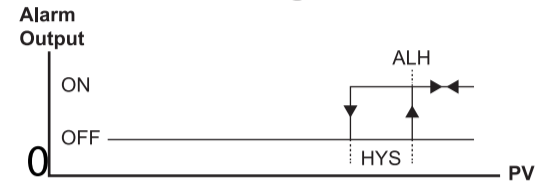
ALARM OUTPUT : Process value (PV) to be used as Alarm Output.

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.

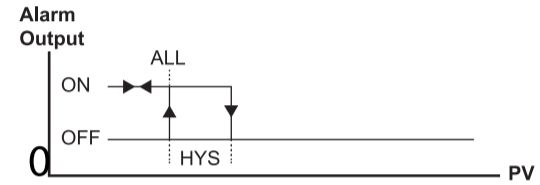
1. Absolute value High Low Band Alarm



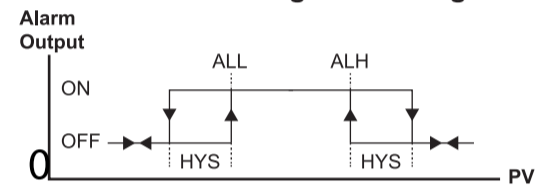
2. Absolute value High Alarm



3. Absolute value Low Alarm

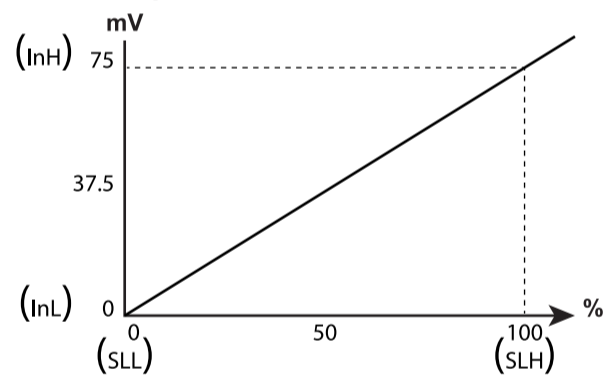


4. Absolute value High Low Range Alarm

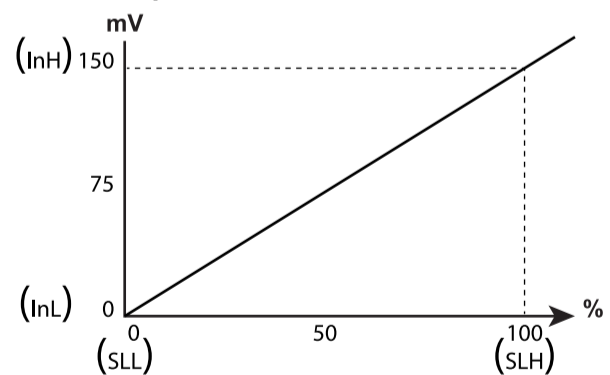


DISPLAY SCALING FOR ANALOG

1. Input 0-75 mV



2. Input 0-150 mV



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