

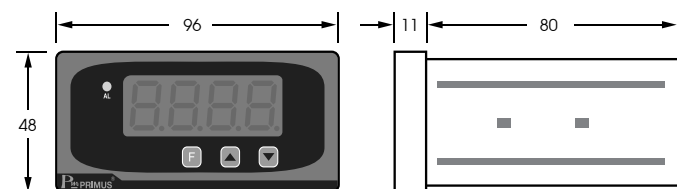
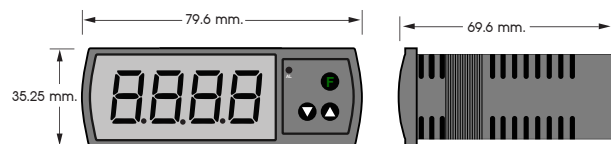

CM-002N-1

DCM-002N-1

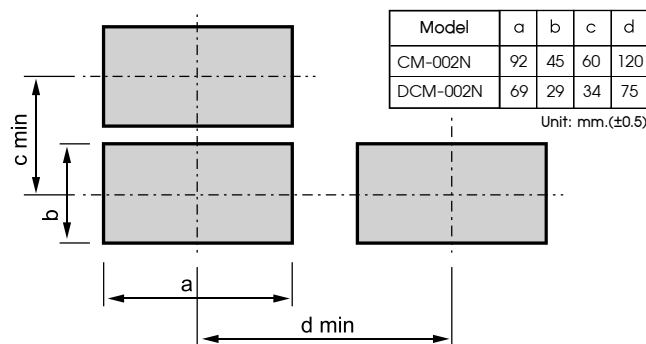
TECHNICAL SPECIFICATION

Model		CM-002N	DCM-002N
Power Supply		220 VAC $\pm 15\%$ 50/60Hz	24 VDC/VAC $\pm 15\%$
Power Consumption		3 VA	2.5 VA
Display		7-Segment, 4 Digit	7-Segment, 4 Digit
Input		Size 0.56 Inch	Size 0.39 Inch
Input	Current (Direct)	0 to 5 Amp	
	Current With CT	0 to 9999 Amp	
	CT Ratio	1 to 2000	
	Input Impedance	< 1 Ohm	
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.

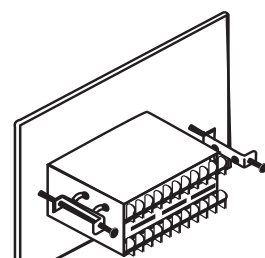
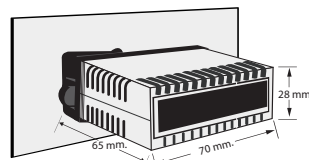
DIMENSION


CM-002N

DCM-002N

CUTTING PANEL



INSTALLATION


CM-002N

DCM-002N

DESCRIPTION

- Current meter for measuring and display the alternating current in True RMS at frequency 50-60 Hz.
- Measure range 0-5 A(Direct), 0-9999 A (With CT 5A).
- 7-Segment Display 4 Digits size 0.56 inches (for CM-002N) and 0.39 (for DCM-002N).
- 1 Alarm Relay Output by 4 Alarm Function for setting.

- Absolute Value High Low Band Alarm
- Absolute Value High Alarm
- Absolute Value Low Alarm
- Absolute Value High Low Range Alarm

- CT Ratio since 1 - 2,000 (10,000 / 5A).
- 2 size CM-002N (48 x 96 mm.) and DCM-002N (35.26 x 79.6 mm.)

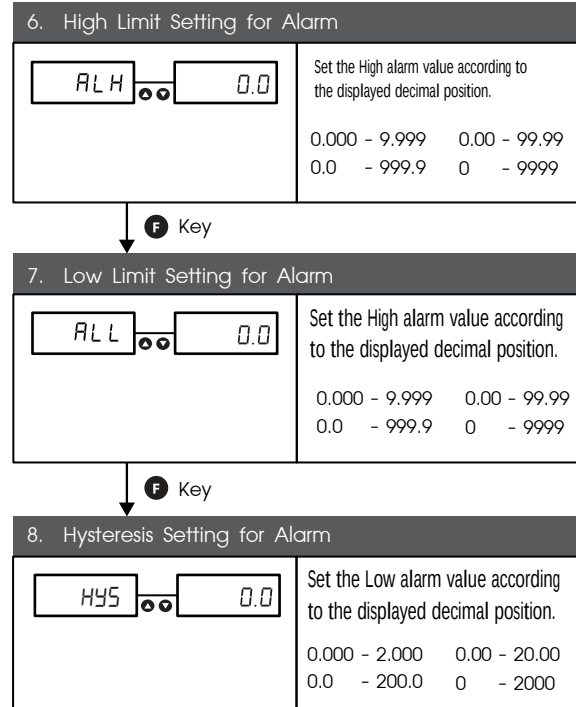
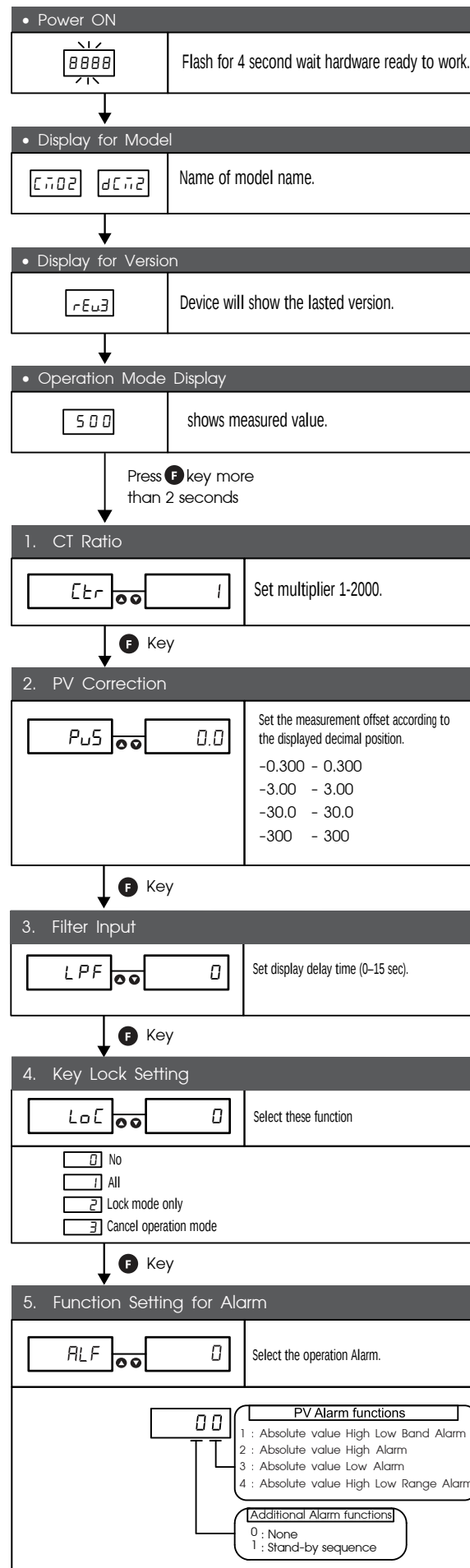
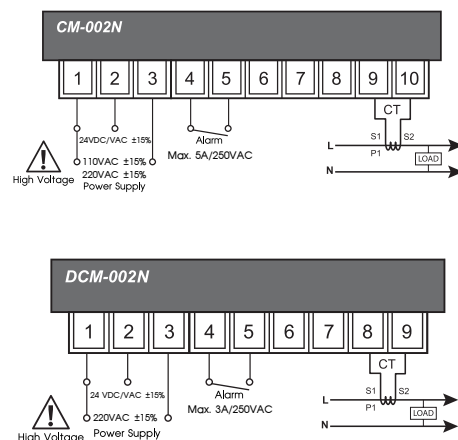
OPERATION

CM-002N/DCM-002N is a device for measuring the alternating current (AC) by connecting with CT. Measure range 0-9999 A and can connect direct 0-5 A. Direct current(DC) model can connect to shunt for measuring current in system. There are measure range 0-75 mV or 0-150mV in one device. It can program scale value in range input and display such as Input 0-75 mV can program to receive Input 0-150 mV and show value since 0-9999 via 1 Alarm Relay Output with 4 functions to setting for active or inactive load as request.

APPLICATION

- Install inside control cabinet
- Display current value
- Food Industrial
- Chemical products

WIRING DIAGRAM



DECIMAL POINT

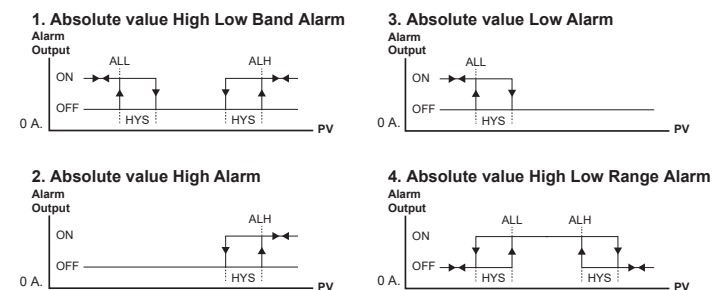
The display decimal point will vary according to the Current Ratio by CTR equal to 1 screen will show 3 digits such as 1.000 A
 CTR between 2 and 19 screen will show 2 digits such as 1.00 A
 CTR between 20 and 199 screen will show 1 digits such as 1.0 A
 CTR between 200 and 2000 No decimal on screen such as 1 A

SETTING

Example For CT 1000/5 and High Alarm at 5000 A, the settings can be made as follows:
 CTR = 200 and ALH = 5000.
 The display will not show any decimal point because CTR equals 200.

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



ORDERING CODE

CM-002N -	INPUT	POWER SUPPLY	DCM-002N -	INPUT	POWER SUPPLY
	1			1	
CODE POWER SUPPLY			CODE POWER SUPPLY		
024 24 VDC/VAC $\pm 15\%$			024 24 VDC/VAC $\pm 15\%$		
110 110 VAC $\pm 15\%$			110 110 VAC $\pm 15\%$		
220 220 VAC $\pm 15\%$			220 220 VAC $\pm 15\%$		



DCM-002N/CM-002N

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