



DESCRIPTION

- CM-006N is a digital indicator.
- Receive Input Thermocouple Type K, J or PT100 in one device. User can choose by setting from Keypad Switch.
- Display result by 7-Segment 4 digits clear vision.
- Can set decimal point 1 decimal point.
- High precision measuring and easy to use.
- Suit for measure or check temperature in oven, freezer, chill room, heater and cooler etc.
- Alarm Function setting by Keypad Switch can choose several type such as High Alarm, Low Alarm and High-Low Alarm.
- Option is Output Control choose when purchase.

APPLICATION

- Option is Output Control choose when purchase.



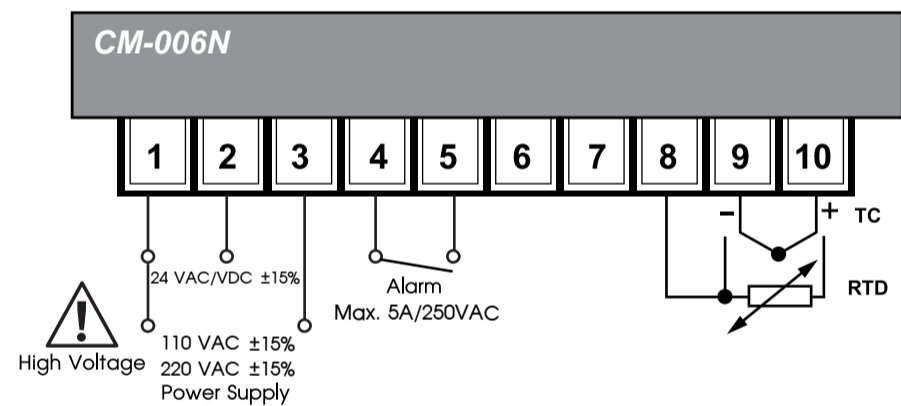
TECHNICAL SPECIFICATION

| | | |
|-------------------|-------------------------|------------------------------------|
| Power Supply | | 220 VAC $\pm 15\%$ 50/60 Hz |
| | | 110 VAC $\pm 15\%$ 50/60 Hz |
| | | 24 VAC/VDC $\pm 15\%$ |
| 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 Ohm |
| | Accuracy | $\pm 0.5\%$ 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. |

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 °C | -199.9 ~ 999.9 °C |
| | | -328 ~ 2501 °F | -199.9 ~ 999.9 °F |
| 01 | Thermocouple Type J | -200 ~ 1200 °C | -199.9 ~ 999.9 °C |
| | | -328 ~ 2192 °F | -199.9 ~ 999.9 °F |
| 02 | PT100 | -200 ~ 850 °C | -199.9 ~ 850.0 °C |
| | | -328 ~ 1562 °F | -199.9 ~ 999.9 °F |

WIRING DIAGRAM


WARNING

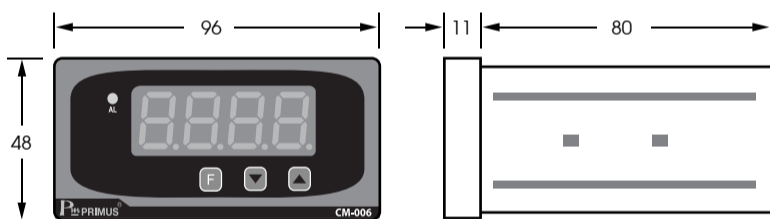
- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

ORDERING CODE

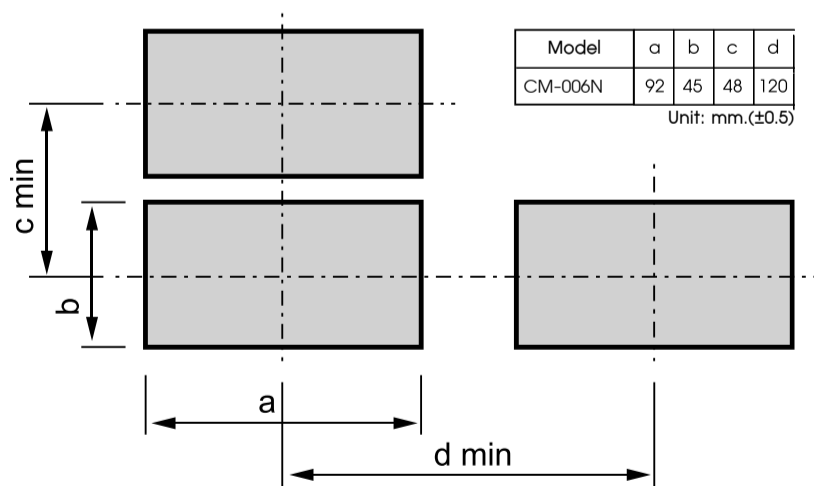
 CM-006N -

| Code | power supply |
|------|-----------------------|
| 024 | 24 VAC/VDC $\pm 15\%$ |
| 110 | 110 VAC $\pm 15\%$ |
| 220 | 220 VAC $\pm 15\%$ |

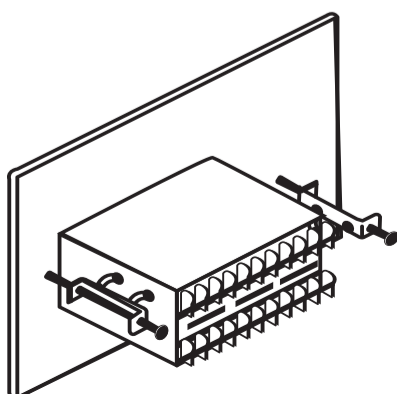
DIMENSION Unit : mm.(± 0.5)

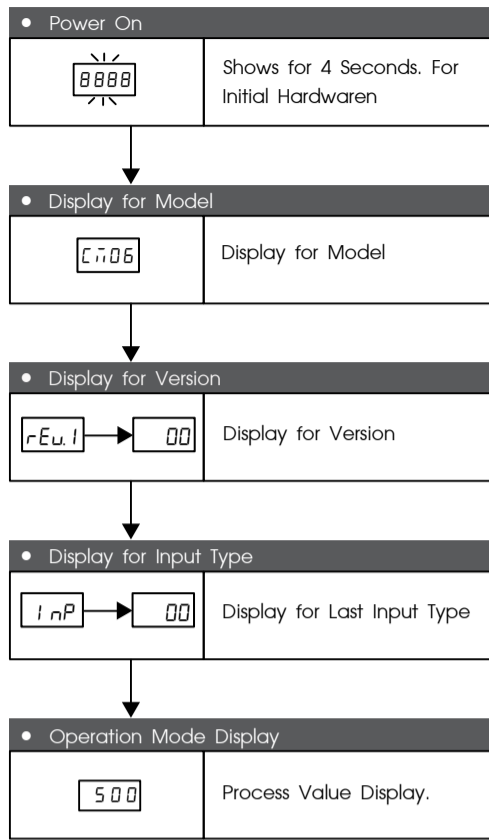


CUTTING PANEL

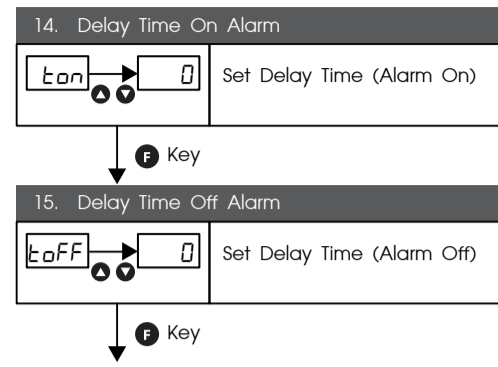
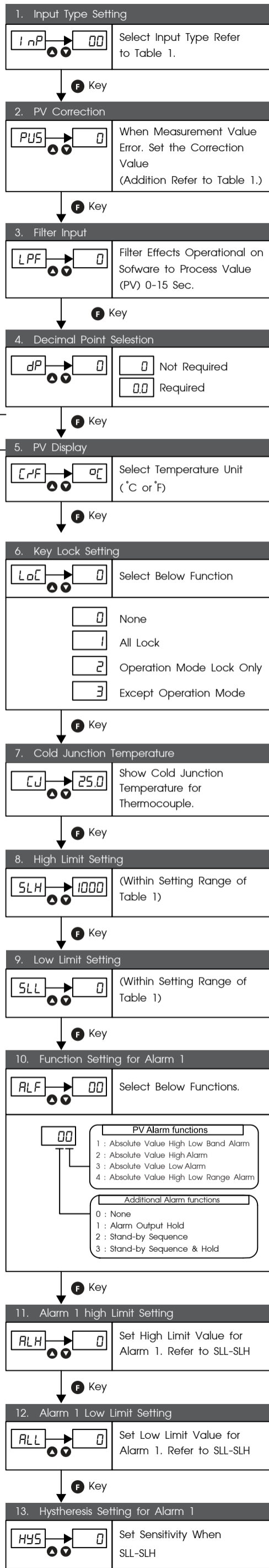


INSTALLATION





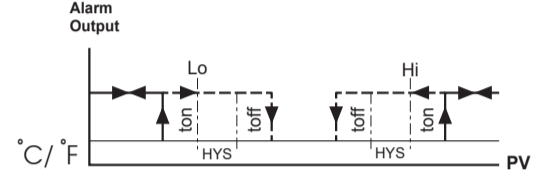
Press **F** key more than 2 seconds



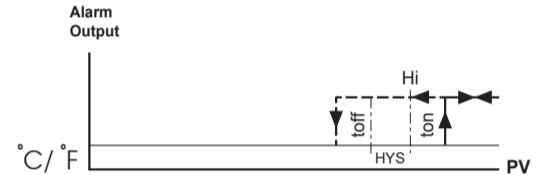
ALARM OUTPUT : Process value (PV) to be used as Alarm Output

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.

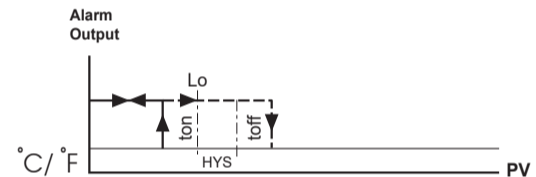
1. Absolute value High Low Band Alarm



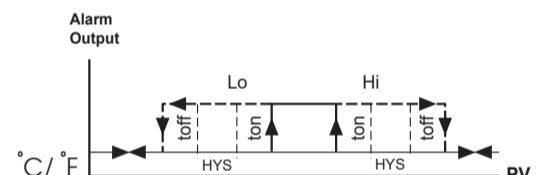
2. Absolute value High Alarm



3. Absolute value Low Alarm



4. Absolute value High Low Range Alarm



CM-006N-A

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