



Description

- Digital Thermostat: CMA-002 is a digital control device to ventilation fan inside electrical cabinet, control cabinet.
- Internal temperature sensor.
- 1 relay output and 1 alarm relay output.
- ON and OFF relay points can be set freely.
- Delay time delay before relay output operate 0-999 seconds.
- Direct Control (Cooling) and Reverse Control (Heating) functions.
- 7 Segment 3 Digits 3 1 Row.

Specification

Power Supply	100-250VAC 50Hz
	24VAC/VDC
Power Consumption	2.5 VA
Measurement Range	-9.9 to 99.9 °C
Output	Contact 2A 250VAC, 2A 30VDC
Alarm Output	Contact 2A 250VAC, 2A 30VDC
Display	7-Segment 3 Digit, 1 Row
Function Control	Heat/Cool, ON/OFF Control
Temperature Operating	10-75 °C
Humidity Operating	0 - 75 %RH
Size (mm.)	40 x 90 x 62
Weight (kg.)	114.8

Operation

CMA-002 is ON/OFF temperature controller. It can select 2 control pattern are Direct Control (Cooling) and Reverse Control (Heating). CMA-002 has internal temperature sensor no need an external sensor. There are 1 relay output and 1 alarm relay output for notification signal. Display 7-Segment for 3 digits and LED shows operation status.

CMA-002 is an ON/OFF temperature controller with two control modes:

Relay Output: the device will command the fan inside the control cabinet. In case the measured temperature inside the cabinet is over the setpoint, it will command the fan to turn ON for cooling. This saves energy and extends the service life of the fan.

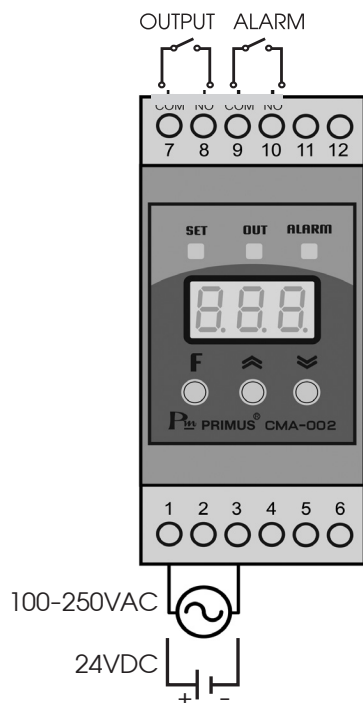
Alarm Output: It can operate 6 functions. In case the relay output operates and cannot make the temperature reach the requirement, it will use the Alarm Output.

ALARM OUTPUT

Input analog to be used as Alarm Output. PV abnormal : Input indicates "Over" or "Under", alarm output on. Stand-by sequence : After starting operation of step, alarm output does not turn on unless the power on alarm override value is clear or defrost alarm override value is clear

Setting Value (SP) deviation (Ex. Alarm Output)	Absolute value (Ex. Alarm Output)
1) Deviation high alarm limite	4) Absolute high alarm limite
2) Deviation low alarm limite	5) Absolute low alarm limite
3) Deviation high and low alarm limite	6) Absolute high and low alarm limite

Wiring Diagram



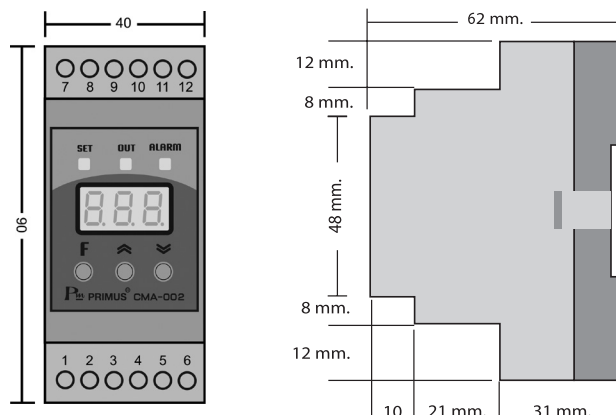
WARNING

- 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

CMA-002-		Power Supply
		Power Supply
NONE	220VAC	
24	24VAC/VDC	

Dimension



Installation

