
XMTEA Digital Display Electronic Temperature Controller

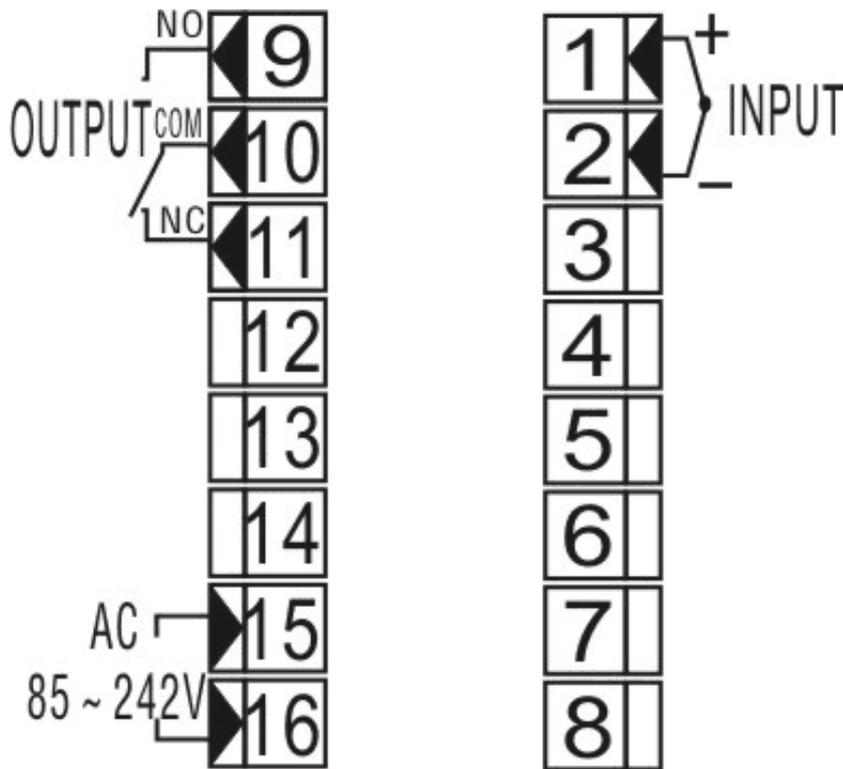


XMTEA-1001 series temperature controller applies special technique to resist interference and adopts digital display of measure temperature and method of ON/OFF control. It has high precision, good reliability, strong cushioning, easy installation and so on. This controller is widely used as temperature measurement and control automatically in light and heavy industry, such as metallurgy, chemical, electronic, machinery, textile, plastic, refrigeration, medical treatment, electric oven and so on.

A. Technical specification:

1. Input: J or K
2. Range: 0 ~ 400°C or 0~800°C
3. Accuracy: display less than $\pm 1.0\%F \cdot S \pm 1B$,
4. Contact capacity: 220VAC, 5A(dissipative load)
5. Power voltage: AC85~242V 50Hz/60Hz
6. Power consumption: <3W
7. Working environment: Temperature: 0~50°C; relative humidity: < 85%RH, without corrode gas.
8. Overall size and installation hole XMTEA 96×96×85mm 92×92mm

Connection Scheme(consult):



C.Method to use:

Connect the power and the sensor according to the connection scheme then it displays the actual measure temperature.

The terminals of '1', '2' are input of thermocouple signal (K), the terminals of '9', '10', '11' are relay control output. '11' is NC, '10' is COM, '9' is NO contact. The terminal of '15', '16' are power supply (AC85-242V).

When the temperature-setting is higher than the indicated value, the relay terminals NC and COM are connected, while COM and NO voltages are disconnected with green indicator bulb lighting up; the setting is lower than the actual indication, the COM-NC are disconnected and the COM-NO are connected with the red indicator bulb lighting up.

D.The maintenance and attention of controller.

- 1.The controller should be installed in the condition without corrode gas.
- 2.Thermocouple should be put in the place where it can measure real temperature inside the furnace and has good insulation.
- 3.Before powering on the controller, please check it carefully to see whether all connections are correct and whether thermocouple match with input type of the controller.
- 4.When heat initially, though the furnace has been turned off, but the temperature of furnace will keep going up owing to the heating inertia inside furnace. So it is better to set about 80% of the temperature you want to set normally before power on the controller every time. After the controller carry out "on-off control" for several times, then set temperature value you want to set normally , so as to avoid over

surging.

5.If the controller displays abnormally, check the sensor to see whether its connection is open circuit or short circuit, also check whether the working voltage of controller is normal.

E. Other explanation

Welcome to use our controller, we can supply various kinds of temperature controllers.

Note: Our company will continue to improve product technology, design specification. If change, please subject to the material object, without notice.