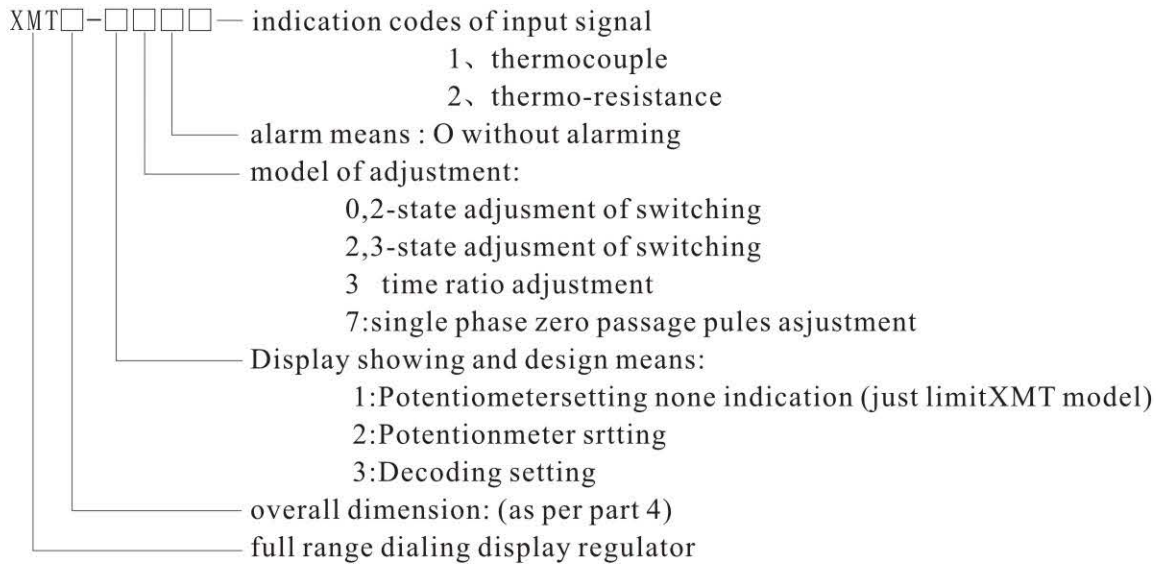


XM SERIES DIGITAL TEMPERATURE CONTROLLER USE HANDING
(Before use,please carefully read the manual for correct use,and please keep it well.)

1. GENERAL

XM series temperature apparatus meet the international standatd.It adopting big scale IC chip of industrial meter which make the accuracy,relability,anti-disturbance and so on property improved greatly and with complete fuction. It is widely applied to automatically control the temperature,flux,pressure,and liquid etc in the industries of machinery,petrol,chemical industry, ceramics,light industry,metallurgy,petrochemicals,heat treatment and so on.

2. MODEL OF METER



3、 MAIN TECHNICAL INDEX OF METER

- 1) display accuracy $\leq 1.0\%F.S$
- 2) setting accuracy $\leq 1.0\%F.S$
- 3) control accuracy $\leq 0.75\%F.S$
- 4) time ratio adjustment: ratio 3-6% zero period $30S \pm 10S$
- 5) output pulse single:extent $>3V$,breadth $>40\mu S$ zero passage pulse
- 6) PID adjustment:1)output 0-10mA or 4-20mA
 - 2) load: $800 \pm 80 \Omega$
 - 3) p: 3-6%
 - 4) I: 1500S
 - 5)D:30S
- 7) output contact capacity:AC 220(resistance)3A inductance 1A
- 8) worlingsource:AC220V $\pm 10\%$,50~60Hz.380 $\pm 10\%$ power consuming $\leq 3w$
- 9) operation temperature :-10~50°C, relative humidity $\leq 85\%$ in non corrosive gas circumstance.

4、 OVERALL DIMENSION

TYPE	Panel drame	Cover depth	Hole dimension
XMT	80X160	150	76 ⁺¹ X152 ⁺¹
XMTA	96X96	100	92 ⁺¹ X92 ⁺¹
XMTD	72X72	115	66 ⁺¹ X66 ⁺¹
XMTG	48X48	110	45.5 ⁺¹ X45.5 ⁺¹

5 USE AND ADJUSTMENT

- 1) XMT□ type 101,102,2001,2002,after switching on,we put the button on set and adjust the potentiometer,this time will digital display the valve of need temperature. after adjusted put the button to measure will display the fact temperature. when the fact valve lower than set valve the green lamp will tight. twhereas the lamp will go out.
- 2) XMT SERIES 3001 3002 use and adjustment same with part(1),but this type more easy.Use dialing switch in place of potentiometer and read the set valve directly from dialing Switch and no need use measure key or other setting.
- 3) Time ratio control: whell the temperature raise,the fact temperature will enter the time ratio control.During time ratio control the red lamp and green lamp will turnon,turn-off in sequence it will control all system better than 2 state adjustment of switching.

6 Noted points:

In order assthe meter accuracy and reliability for long time work must pay attention to follow items

- 1)Effective in the location without caustic gas and j oint connect well
- 2)ne mounting location of sensor can reflect the temperature of measured location(stove) temperature ascend and descend in timely and exactly.
- 3)The best connect way between thermocouple and meter used compensate lead and the j oint point temperature must lower than 100C,or directly connect the meter but the polarity connect must right.
- 4)It need adopt connect thermo-resistance and meter. If need extend the lead must use the same material,same length and resistance valve will not exceed 5 to ensure the accuracy.
- 5)When adjust the alarm set and windage adjust, must use screwdrive and take pains, chariness for fear sharer the potentiometer.
- 6)When place the order must oflbr the model,type, input signal,and display 1'an

7 Conneting diagram:

