

INSTRUCTION MANUAL FOR DIGITAL THERMOSTAT

MODEL: TS-5000

Nr.	Code	Description	Setting	Information	Preset
1	LK1	Electronic lock (Lock 1)	0~200	Setting code to change setting for SC and C-F (code 116)	0
2	SC	Calibration	-9.9~+9.9		0.0
3	C-F	Change the °C and °F	0~1		°C
4	Lk2	Electronic lock (Lock 2)	0~200	Setting code to change setting for P, I, D and AT (code 181)	0
5	P	Proportion area	0~999	Manual setting for P	80
6	I	Calculus time	0~999	Manual setting for I	80
7	d	Differential time	0~999	Manual setting for D	20
8	At	Auto Tune function (self setting)	0~1	ON= Auto Tune Function for PID OFF= Manual Function for PID	OFF

The sensor is NTC 5K

TEMPERATURE SETTING

Press the ▲ or ▼ key enter the temperature setting, press the ▲ key to increase and press the ▼ key to decrease the temperature. Press the SET key to save the value and get out of the temperature setting. If not touched the key within 8 seconds the temperature setting is saved automatically and also returns to measure.

OTHER SETTINGS

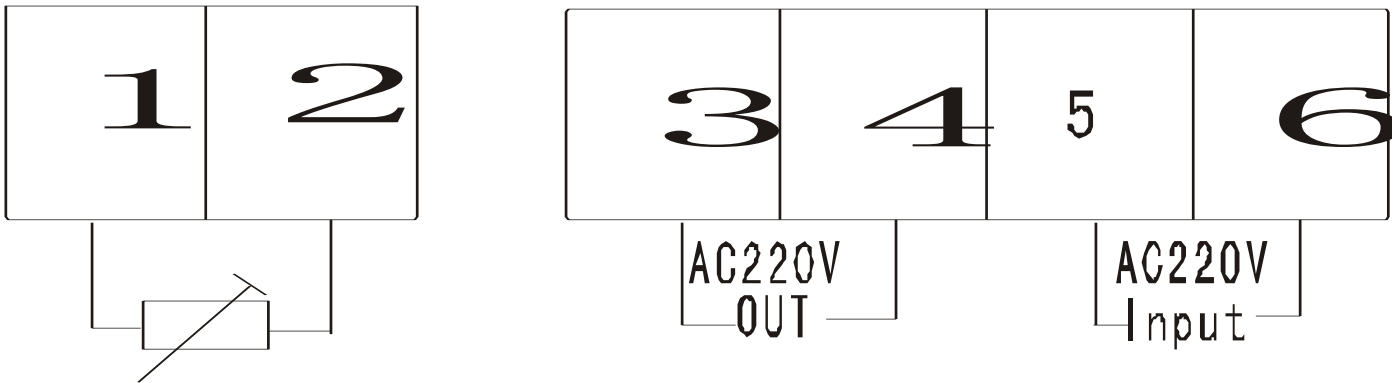
When press the SET key the display shows LK1. This is the lock1 function. Enter number 116 and press SET again. Now you can change the SC and C-F function. Press SET again to leave the programming. Press the SET key for a longer time until the display shows LK2. This is the lock2 function. Enter number 181 and press SET again. Now you can change “P”, “I”, “D”, “AT”. Press SET again to leave programming.

P, I, D AND AT:

These functions can be used for more experienced users. Auto Tune is the automatic setting system to set the P, I and D values for the best results for your situation. The green led on the display will blink when the AT is working. After setting the best values it will install itself the new found P,I and D values.

HOW TO CONNECT?

Connect this thermostat as on the drawing below. It is important that this product is connected by somebody with knowledge about electricity. In case you don't have please ask a certified person!



- 1 & 2: connection of the NTC sensor
- 3 & 4: connection to the HEATER (**maximum 400Watt/220-240VAC**)
- 5 & 6: connection of the POWERSUPPLY (220-240VAC)

After connection of all wires please close the cover with the supplied screw. Also use the strain relieve to hold the input cable and when the cable to the cable also comes out of the case this also have to be hold by the same strain relieve.

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