

35mm Din Rail NO NC 0-60°C Industrial Temperature Regulator Automatically Adjusts Heating System Temperature Regulator Thermostat



Thermal Control



Heating Control



Thermostat Industrial Temperature Regulator
Automatically Adjusts The Heating System
Temperature Regulator

- Wide setting range
- Flat design saves space

- Rail clamping

- Slim form factor

Application :

Suitable for all kinds: cabinets, electric control cabinets, complete sets of cabinets, electrical boxes, network boxes, monitoring boxes, etc. : internal thermostat.

7T.81-240

series heating thermostat regulator. Used with various heaters, automatically shut down when the set temperature is reached Heating equipment to make the internal temperature of the cabinet reach the ideal value, to prevent the formation of water droplets or the temperature is lower than a small value. Protect the equipment and components inside the chassis from rust and corrosion.

7T.81-230 series can be used with various fans / fans: if the temperature is exceeded, the thermostat will automatically. Turn on the cooling fan or other cooling devices to prevent the temperature from being too high to damage the internal equipment of the chassis

7T.81-240 (Red Color) and 7T.81-230 (Blue Color)

7T.81-240:

Thermostat (normally closed); contact breaker for regulating heaters.
(thermostat will stop working when temperature rises to set point)

7T.81-230: Thermostat (normally open); contact maker for regulating of filter fans and heat exchangers or for switching signal devised when temperature limit has been exceeded.
(thermostat will stop working when temperature down to set point)



Conversion Temperature Difference	$\pm 3-5^{\circ}\text{C}$
Temperature Sensor	bimetal
Contact Information	Instantaneous
Contact Resistance	$\leq 50\text{m}\Omega$
Electrical life	$> 100,000$ cycles
Load capacity	10(2)A 250VAC, 15(2)A 120VAC, 30W DC24V~72V
Terminal	4P European screw terminal Suitable for rigid single-strand wire 2.5mm ² , multi-strand flexible wire 1.5mm ² (use bundle end)
Mounting Method	35mm DIN rail EN60715
Shell Material	Engineering plastic ABS gray, in line with UL94-V0 flame retardant grade
Ambient Temperature	$-45^{\circ}\text{C}\sim+80^{\circ}\text{C}$ (no condensation, no icing)
Ambient Humidity	$\leq 90\%\text{RH}$ (no condensation, no icing)
Protection Class	IP20

Note: For unconventional changeover contacts (bidirectional contacts), the two circuits are isolated and independent of each other.



NC

Heating Control

When The Ambient Temperature Is Lower Than The Set Value, The Contact Is Closed



NO

Cooling Control

When The Ambient Temperature Is Lower Than The Set Value, The Contact Is Disconnected



Industrial Climate Constant Temperature Control Cold And Heat Controllable And Adjustable



**Heat Dissipation
Control**



Heating Control

Wide Range And More Durable

Temperature Difference $\pm 3-5^{\circ}\text{C}$



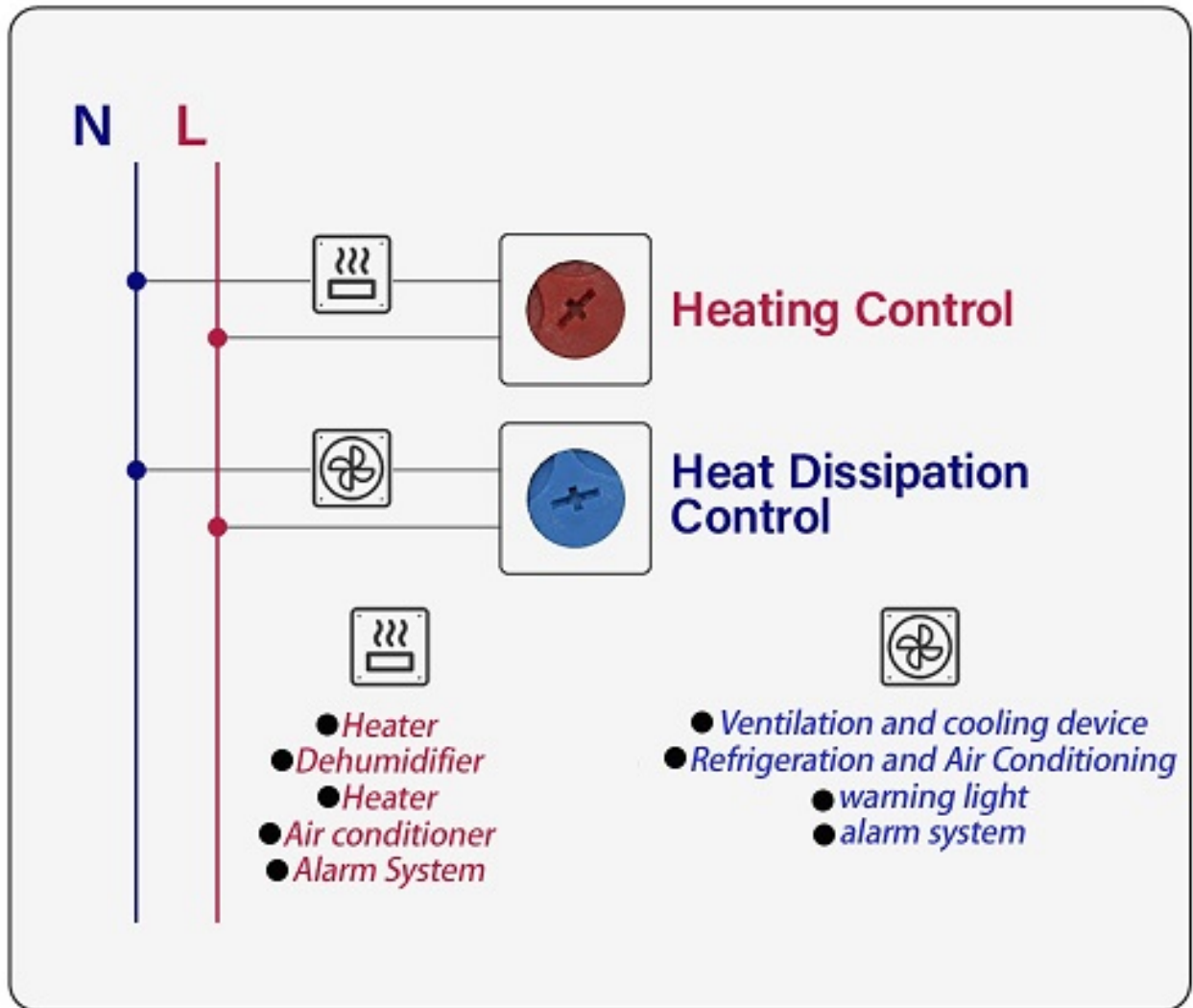
For example:
Set temperature 25°C
Starting temperature: $20 \sim 22^{\circ}\text{C}$
Power off temperature: $28 \sim 30^{\circ}\text{C}$

The Thermostat Avoids Frequent Start And Stop To Prolong Its Service Life

Avoid Frequent Start And Stop Of Heaters Or Other Loads To Prolong Service Life.

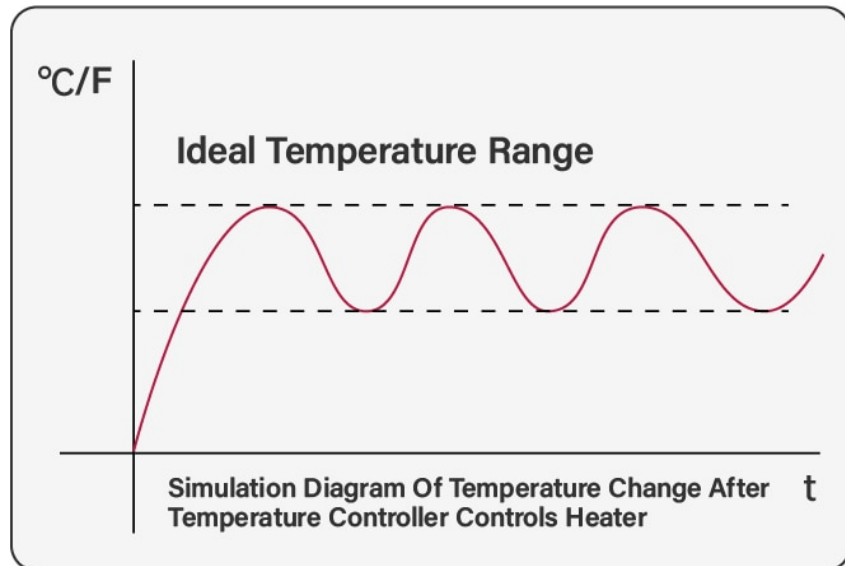
Note: The above data is tested at 20°C , and there may be errors in different environments.

Wiring



Why Temperature Control?

Supercooling And Overheating Are Easy To Cause Equipment Damage



Controlled By The Temperature Controller, The Environment In The Cabinet Fluctuates Within A Comfortable Range To Ensure The Normal Operation Of Equipment Components And Avoid Damage Caused By Equipment Supercooling And Overheating. Effectively Save Energy And Prolong The Service Life Of The Equipment!