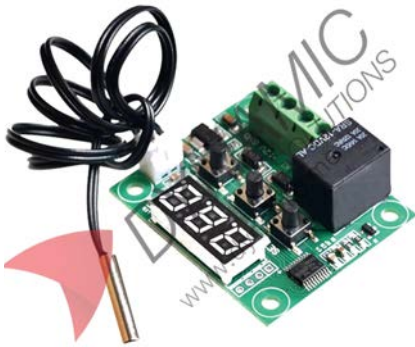


# Thermostat Temperature Control

## W1209 DC 12V



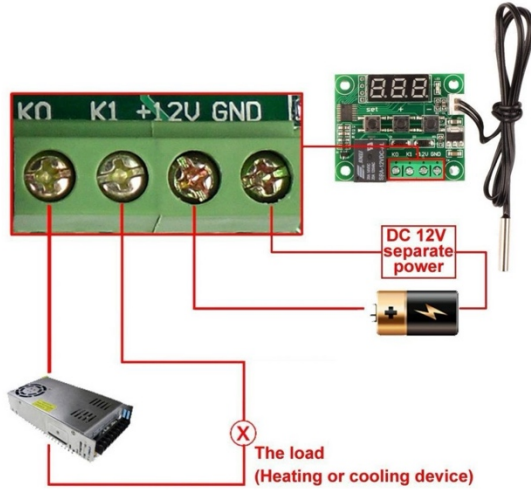
### **Features:**

The W1209 DC 12V Thermostat Module provides intelligent temperature control with real-time monitoring and digital adjustment features. It operates with a waterproof NTC 10K sensor and a high-capacity relay for switching loads up to 10A. The onboard display and buttons allow users to set modes, hysteresis, and alarm parameters through a simple menu interface. Applications include temperature regulation for aquariums, incubators, and HVAC systems.

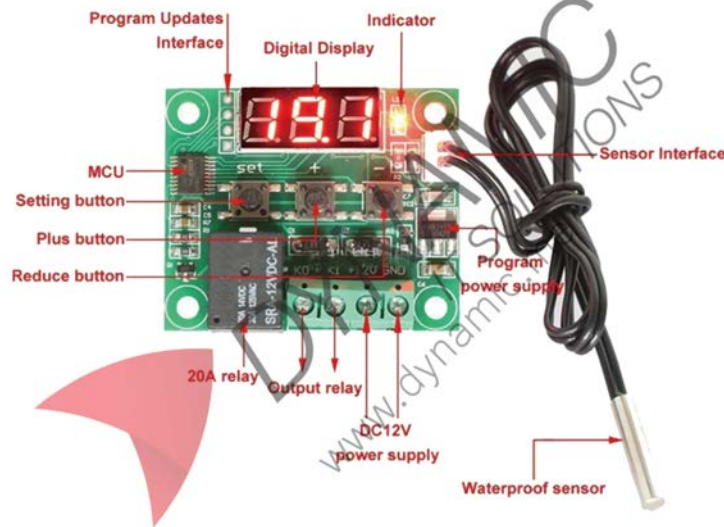
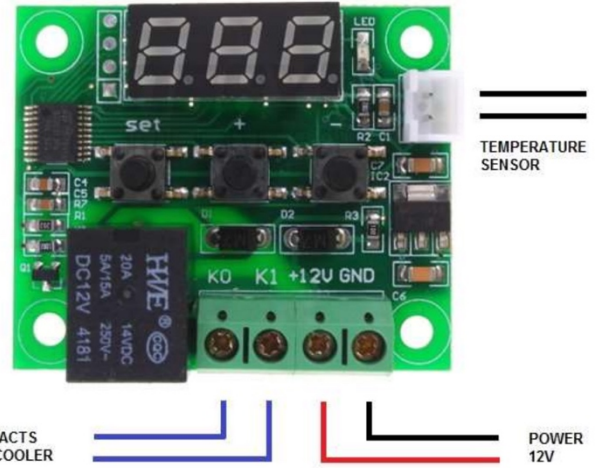
Specifications	
Model	W1209
Temperature Control Range	-50°C ~ 110°C
Resolution (-9.9 to 99.9°C)	0.1°C
Resolution (others)	1°C
Measurement Accuracy	0.1°C
Control Accuracy	0.1°C
Refresh Rate	0.5 seconds
Input Power	DC 12V
Sensor Type	NTC (10K 0.5%) Waterproof
Output	1 Channel Relay Output (10A)
Power Consumption	Static ≤35mA, Active ≤65mA
Operating Temperature	-10°C ~ 60°C
Humidity Range	20%–85%
Dimensions	48 × 40 × 14 mm
Settings	Adjustable via onboard menu (P0–P6)
Usage	Heating, Cooling, Temperature Automation

### **Pinouts:**

Pin Name	Type	Description
GND	Ground	Connect to system ground
+12V	Power	DC 12V power input
K0	Relay Output	Normally open relay terminal
K1	Relay Output	Common relay terminal



W1209  
Temperature  
Control  
Switch



### Settings:

Code	Description	Range	Default Value
P0	Heat (C/H)	C/H	C
P1	Backlash Set	0.1-15	2
P2	Upper Limit	110	110
P3	Lower Limit	-50	-50
P4	Correction	-7.0 ~ 7.0	0
P5	Delay Start Time	0-10 mins	0
P6	High Temperature Alarm	0-110	OFF