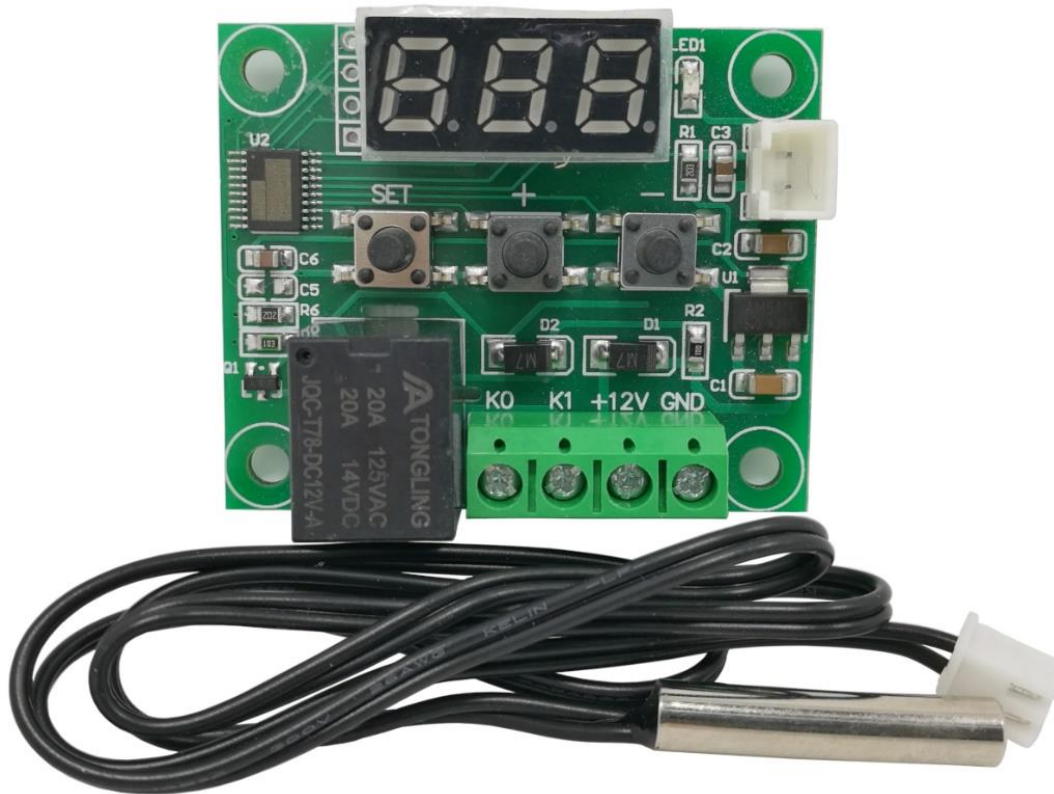


W1209 DIGITAL TEMPERATURE CONTROLLER / THERMOSTAT SWITCH

The W1209 is an highly functional thermostat controller. With the W1209 Digital Temperature Controller you can intelligently control power to most types of electrical device based on the temperature sensed by the included high accuracy temperature sensor. No programming skills are required. 3 mini switches allow for configuring the parameters, on & off trigger temperatures. The relay can switch up to a maximum of 240V AC at 5A or 14V DC at 10A. The 3 digit segment displays the current temperature in degrees centigrade and the current relay state is displayed by an LED.



SPECIFICATION:

Temperature Control Range: -50 ~ 110 C

Resolution at -9.9 to 99.9: 0.1 C

Resolution at all other temperatures: 1 C

Measurement Accuracy: 0.1 C

Control Accuracy: 0.1 C

Refresh Rate: 0.5 Seconds

Input Power (DC): 12V

Measuring Inputs: NTC (10K 0.5%)

Waterproof Sensor: 0.5M

Output: 1 Channel Relay Output, Capacity: 10A

Power Consumption:

Static Current: <=35mA

Current: <=65mA

Environmental Requirements Temperature: -10 ~ 60 C

Humidity: 20-85%

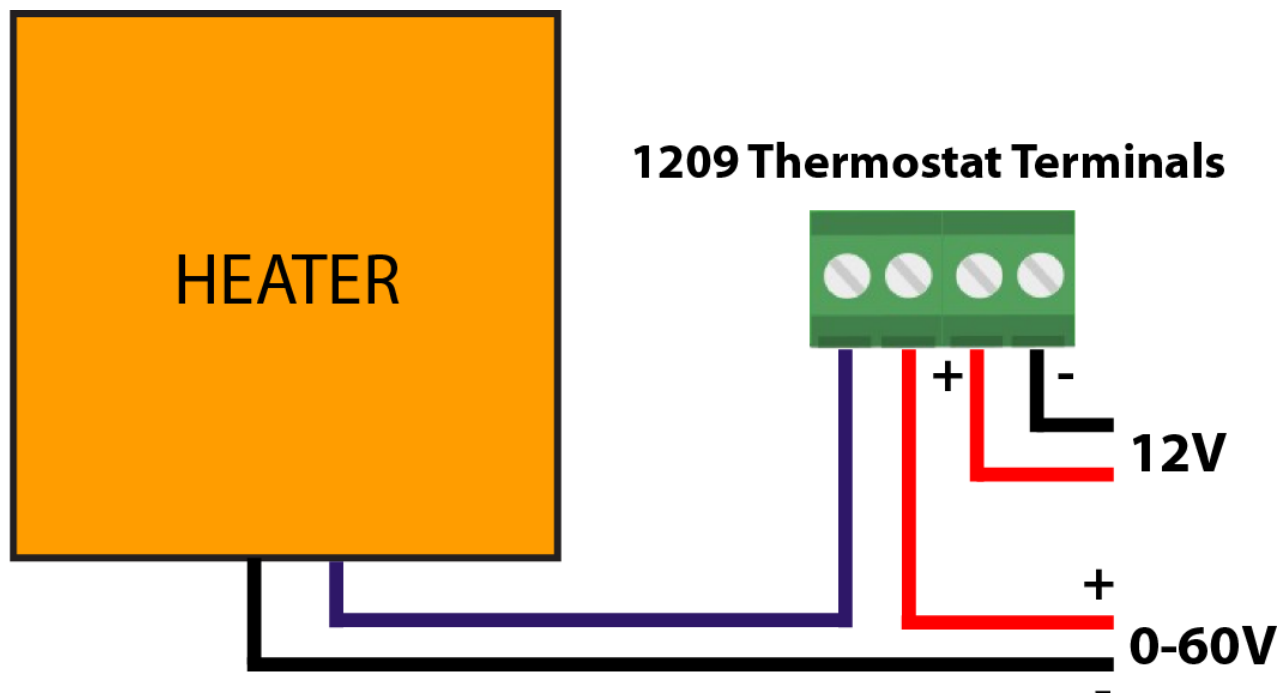
Setting the temperature: Shortly press **Set** and the display will flash. Use + and – to set the target temperature. The temperature will be saved after two seconds.

Long press set to enter the menu, the display will show P0. Use + and – to cycle to the menus. Press set to enter a menu option. Use + and – to change the values. Press set again to save the setting and return to the menu.

Reset the Controller: Hold both + and – a while to reset to factory settings. After 5 seconds the Controller will return to thermostat function.

Code	Description	Range	Default Value
P0	H(eat) or C(ool) Selectes if we control a heater or cooler.	H or C	C
P1	Hysteresis °C Amount of temperature change before relay is enabled	0.1 - 15	2
P2	Upper Limit °C Max temperature allowed to set	110	110
P3	Lower Limit °C Min temperature allowed to set	-50	-50
P4	Correction °C Set the offset to compensate for temperature error	-7 -7	
P5	Delay Start Time (minutes) Number of minutes before relay is activated after target temperature has been reached.	0 - 10	0
P6	High Temperature Alarm °C Relay will be disabled after temperature has reached this number	0 – 110	OFF

SAMPLE INSTALLATION:



More Information and wiring diagrams about the 1209 Thermostat can be found online.