

W3230 Digital Temperature Controller

Specifications

Parameter	Value
Temperature Range	-55 to 120°C
Resolution	0.1°C
Refresh Rate	~0.5s
Input Power	DC 5V/12V/24V or AC 110-220V
Sensor	1m NTC (10K Waterproof)
Output	10A Relay
Dimensions	79 x 43mm (Cutout: 76 x 39mm)

Operating Instructions

Connect the power supply and load. The display will show the current measured temperature. Press the **SET** button once; the display will flash. Use the **+** or **-** buttons to adjust the target temperature (hold to change rapidly). Press **SET** to confirm and return to the main screen. The controller will automatically manage the relay based on the settings.

Parameter Settings

Long press **SET** for 5 seconds to enter the main menu. Use **+** or **-** to cycle through parameters P0 to P8. Press **Restart** or wait 10 seconds without input to exit and save.

- **P0: Cooling/Heating Mode** - Selects between cooling or heating operation.
- **P1: Hysteresis Setting** - Range 0.1-30°C. Defines the temperature difference for relay switching.
- **P2: High Temperature Limit** - Maximum set point (up to 120°C).
- **P3: Low Temperature Limit** - Minimum set point (down to -55°C).
- **P4: Temperature Calibration** - Adjusts the displayed temperature reading.
- **P5: Delay Start** - 0-10 minutes. Adds a delay to protect equipment.
- **P6: Alarm Temperature** - Range -55 to 120°C.
- **P7: Data Lock** - Set to ON to prevent parameter changes.

P8: Factory Reset - With the device off, hold + and - simultaneously while powering on to reset.

I2V(Connecting Mode)







