

VISLONE Touchscreen Programmable Thermostat

VISLONE Touchscreen Programmable Thermostat User Manual

Model: Touchscreen Programmable Thermostat

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VISLONE Touchscreen Programmable Thermostat. Designed for electric floor heating systems, this thermostat offers precise temperature control, energy-saving programming, and multiple safety features to enhance your comfort and convenience.

2. PRODUCT FEATURES

- **Flexible Installation, Strong Compatibility:** Standard 83 x 83mm cover frame design supports independent installation or embedding into multi-slot frames. Compact 50 x 50mm size available for wall-mounted water and floor heating panels, allowing easy replacement of traditional switches.
- **Multi-functional:** Supports switching between manual, automatic, and holiday modes. Control modes include room temperature, floor temperature, or a combination of both, catering to diverse user needs.
- **Energy Saving and Efficient:** Built-in automatic programming function with 5+2 days, 6+1 days, or 7 days schedule settings. Up to six time periods per day on weekdays and two on weekends ensure optimal temperature and reduce energy consumption.
- **Multiple Safety Protection Measures:** Features internal and external temperature calibration, low temperature protection, temperature hysteresis adjustment, and child lock functions for stable operation and family safety.
- **Wide Sensor Adaptability:** Supports switching between °C and °F units. Compatible with NTC sensor types of 10K, 12K, 15K, and 47K, ensuring accuracy and reliability in various application scenarios.

Child lock

To avoid the danger caused by children accidentally touching the switch
Add a layer of security to your family.
Simultaneously press and hold the "+" and "-" keys for 3 seconds to unlock the child lock



Figure 1: Smart Room Thermostat Features Overview

3. SPECIFICATIONS

Item	Room Thermostat
Main Material	ABS
Color	White
Power Supply	AC110-240V, 50/60Hz
Standby Power Consumption	<0.5W
Load Current	≤ 16A
Display Temperature Range	-30~45°C
Preset Temperature Range (RO/BO)	5-40 °C
Preset Temperature Range (FL)	5-45 °C
Display Accuracy	0.1 °C

Floor Over Temperature Protection Setting Range	5-65 °C
Product Size	8.3*8.3*4.4cm / 3.27*3.27*1.73inch
Item Weight	9 ounces
Package List	1* Room Thermostat, 1* Connecting Cable, 2* Screws, 1* Instruction Manual



Figure 2: Thermostat Dimensions



Figure 3: Package Contents

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your thermostat. Please follow these steps carefully. It is recommended that installation be performed by a qualified electrician.

4.1 Disassembly

1. Use a screwdriver to gently pry open the display part from the side groove of the thermostat.
2. Carefully remove the screen display and the outer casing.
3. Separate the mounting plate from the main unit.

4.2 Wiring Connections

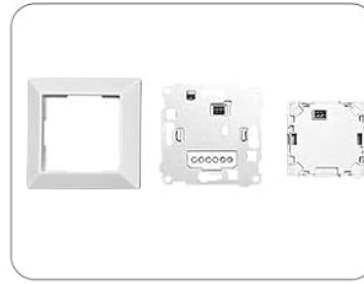
Refer to the wiring diagram and video for correct connections.

- **Power Supply:** Connect the power cord to the "N" (Neutral) and "L" (Live) interfaces. Ensure wires are securely fastened by tightening the corresponding screws.
- **Heating Device:** Connect the connection line of the device to be heated to the "N↓" and "L↓" interfaces. Securely tighten the screws.
- **NTC Sensor:** Connect the NTC sensor connection line to the "NTC" interface. Tighten the screws to fix the sensor wires.

Wiring Instructions



1. Use a screwdriver to pry open the display section from the side groove upwards



2. Remove the screen display and casing



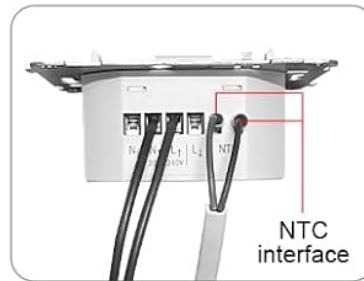
4. Connect the interfaces on the diagram in sequence



3. Remove the power connection cable



5. Remove the sensor connection wire



6. Connect the "NTC" interface in sequence



8. Connect the power supply



7. Reinstall the casing and screen display in sequence

Figure 4: Detailed Wiring Instructions

4.3 Reassembly

1. Reinstall the mounting plate and outer casing.
2. Align the display interface and carefully reinsert the display part into the housing. Press down slightly until

you hear a "click" sound, indicating it is securely in place.

4.4 Installation Video Guide

Video 1: Official video guide demonstrating the installation and basic operation of the VISLONE Touchscreen Programmable Thermostat, including disassembly, wiring connections for power and heating elements, sensor connection, reassembly, and initial power-on.

5. OPERATING INSTRUCTIONS


5.1 Power On/Off

After connecting the power supply, press and hold the power button () for 3 seconds to turn the thermostat on. To turn it off, press and hold the power button for another 3 seconds.

5.2 Understanding the LCD Display

The LCD screen provides all necessary information regarding the thermostat's status and settings. Familiarize yourself with the icons:

LCD Display Screen








	Advanced settings icon		Control mode icon
COM	Comfort mode icon	EOM	Economic Model Icon
	Child lock icon	DAY 8	Week icon
	Preset temperature icon	88.8 °C	Set temperature
	Cycle icon	8	Periodic mode time period icon
88:88	Time icon	88.8 °C	Real time temperature icon
	Heating icon		

Figure 5: LCD Display Screen Icons Explained

5.3 Mode Selection

The thermostat supports various operating modes:

- **Manual Mode:** Allows you to set a constant temperature that the thermostat will maintain.
- **Automatic Mode:** Follows the programmed 7-day schedule.
- **Holiday Mode:** Maintains a specific temperature for a set duration, ideal for when you are away.

Use the 'M' button to cycle through the available modes.

5.4 Temperature Setting

Use the '+' and '-' buttons to adjust the desired temperature. In automatic mode, these buttons can temporarily override the schedule until the next programmed period.

5.5 Child Lock Function

To prevent accidental changes by children, activate the child lock:

- To activate: Simultaneously press and hold the '+' and '-' keys for 3 seconds. A lock icon will appear on the display.
- To deactivate: Simultaneously press and hold the '+' and '-' keys for 3 seconds again. The lock icon will disappear.

Smart Room Thermostat



Accurate temperature measurement



Three modes



Child lock



Durable material



Compact in size



Easy to install

Figure 6: Child Lock Feature

5.6 Programming Schedules

The thermostat allows for flexible 7-day programming. Consult the full instruction manual (included in the package) for detailed steps on setting up 5+2, 6+1, or 7-day schedules with multiple time periods.

6. APPLICATIONS

The VISLONE Touchscreen Programmable Thermostat is versatile and can be used with various electric heating systems:

- Graphene floor heating
- Electric heaters
- Heating cables
- Electrothermal membranes
- Electric heated 'kang' beds
- Wall warm painting systems

Widely Used





Graphene floor



Electric heater



Heating cable



Electrothermal membrane



Electric heated kang



Wall Warm Painting

Figure 7: Wide Range of Applications

7. MAINTENANCE

To ensure the longevity and optimal performance of your thermostat:

- Regularly wipe the screen and casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Ensure the thermostat is not exposed to direct sunlight or drafts, which can affect temperature readings.
- Do not attempt to open or repair the unit yourself. Refer to qualified personnel for any issues beyond basic operation.

8. TROUBLESHOOTING

If you encounter issues with your thermostat, consider the following common solutions:

- **No Display/Power:** Check the power supply connection and ensure the circuit breaker is not tripped. Verify the thermostat is properly turned on (press and hold power button for 3 seconds).
- **Incorrect Temperature Reading:** Ensure the NTC sensor is correctly connected and not damaged. Avoid placing the thermostat near heat sources or drafts.
- **Heating Not Activating:** Check wiring connections for the heating device. Ensure the thermostat is in an active heating mode (Manual or Automatic with a set temperature higher than ambient).
- **Child Lock Engaged:** If buttons are unresponsive, check for the child lock icon. Deactivate by pressing and holding '+' and '-' for 3 seconds.

For persistent issues, please contact customer support.

9. WARRANTY AND SUPPORT

Your VISLONE Touchscreen Programmable Thermostat comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact VISLONE customer service through the retailer where the product was purchased or visit the official VISLONE website for contact information.