9351 – Wi-Fi thermostat for gas boilers

1- Safety warning

Warning: failure to follow the safety instructions below could result in fire, electric shock, other injury, or damage to your thermostat or other property. Read all safety instructions below before using your thermostat.

- Avoid high humidity or extreme temperatures;
- Avoid prolonged exposure to sunlight or intense UV light;
- Do not drop or subject the unit to strong vibrations;
- Do not disassemble or attempt to repair the unit;
- Have installation performed only by qualified personnel.
- Disconnect the power supply when installing this product;
- Do not bring it into contact with flammable liquids, gases, or other explosive substances.
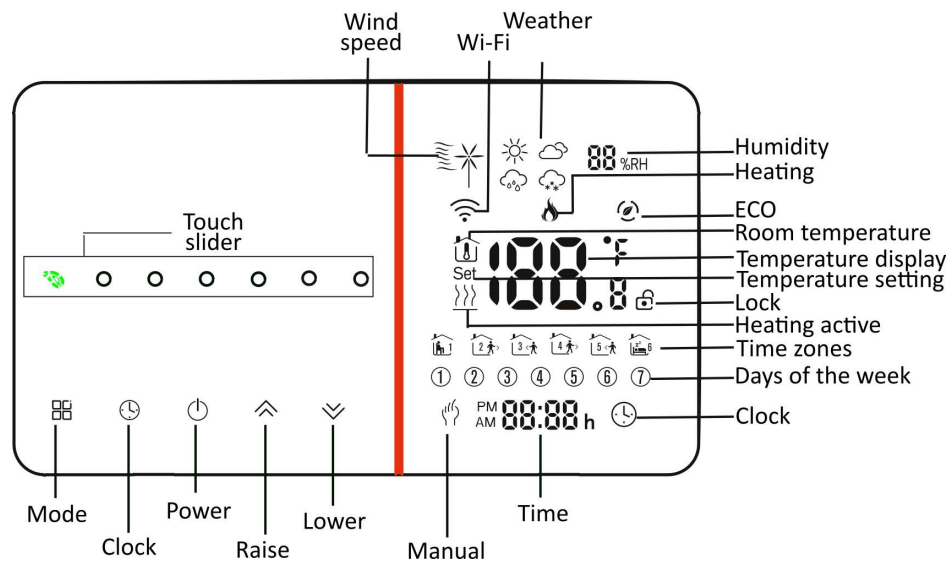
2 – Welcome

We introduce your Wi-Fi thermostat for gas heating.

This thermostat allows you to optimally manage your home heating. You can control it with weekly schedules or instant-action commands, and you can do so from either the touch interface or your smartphone. The thermostat can connect to your home Wi-Fi network, allowing you to control it from anywhere.

This guide provides a product overview and installation and setup instructions.
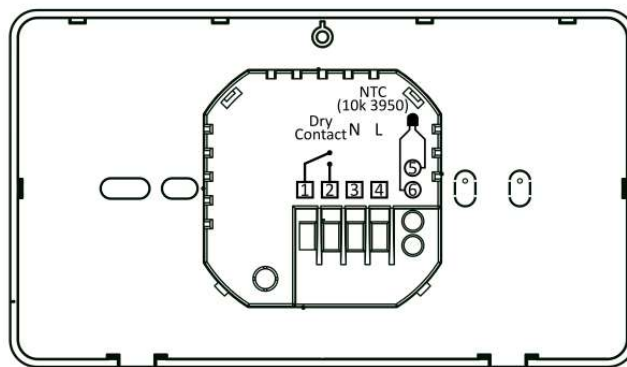
3 - A detailed look at your device

The controls on your thermostat 9351

- **Wind Speed:** A qualitative indication of the wind speed outside, obtained through cloud connectivity, as available in the app.
- **Wi-Fi:** The indicator that lets you know when the thermostat is ready to connect to a Wi-Fi network.
- **Weather:** A qualitative indication of the current weather conditions, obtained through cloud connectivity, as available in the app.
- **Humidity:** The relative humidity outside, obtained through cloud connectivity, as available in the app.
- **Heating:** This indicator lights up when the thermostat closes the contact to activate heating.
- **ECO:** The indicator that confirms the activation of ECO mode.
- **Room Temperature:** This indicator confirms that the temperature shown on the display is the internal temperature measured by the thermostat.
- **Temperature Display:** The display that shows the measured temperature or the set temperature.
- **Temperature Setting:** This indicator confirms that the temperature shown on the display is the set temperature.
- **Lock:** When this indicator is on, the thermostat has been locked by the app.
- **Heating active:** When this indicator is on, the thermostat has closed the contact that controls the boiler.
- **Time zones:** This indicator is active when the thermostat is operating in chronothermostat mode and, with the number 1 to 6, shows you which time zone you are currently in.
- **Days of the week:** From 1 to 7, it shows you which day of the week you are currently in.
- **Clock:** Along with the time zone indicator, this indicator shows whether chronothermostat mode is active. This indicator is also active when you set the time and time zones directly from the thermostat, rather than from the app.
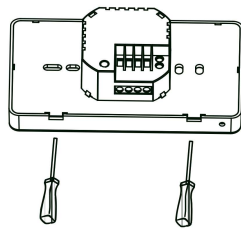
- **Time:** Displays the current time, automatically synced when the thermostat is connected to the cloud.
- **Manual:** When this indicator is on, the thermostat is in manual mode and will not follow the set schedule.
- **Raise/Lower:** Tap these controls to raise or lower the set temperature in 0.5°C increments. When the thermostat is in manual mode, this command takes effect immediately.
- **Power:** This command turns the thermostat on or off.
- **Clock:** Pressing this command turns on the thermostat's display and shows the current time, along with other information about the thermostat's current configuration. Double-tapping the button allows you to begin setting the time, starting with the minutes, which you can increase or decrease with the Raise/Lower buttons. Subsequent presses advance the time to the hours, then the time slots for each day of the week.
- **Mode:** This button allows you to switch from chronothermostat mode to manual mode.
- **Touch Slider:** By sliding your finger on this slider, you can quickly raise or lower the set temperature by 5 degrees in 1-degree increments. When the thermostat is in manual mode, this command takes effect immediately.
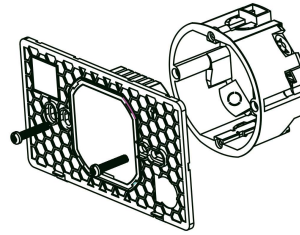

The back of the 9351

- **Dry contact:** the dry contact to which you connect your boiler control, these are terminals 1 and 2.
- **L-N:** the terminals to which you connect the phase and neutral wires for the thermostat's power supply. These are terminals 3 and 4.
- **NTC:** if desired, you can connect an external thermistor (10kW, B value: 3950) to terminals 5 and 6 to use an external temperature probe in addition to the one already present in the thermostat. Using an external probe allows you to place it some distance from the thermostat and measure the temperature in a location other than where the thermostat is mounted.

4 – Start up

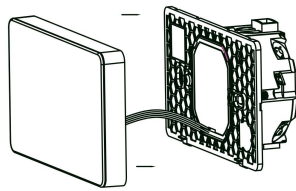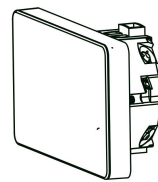A.   B.

Thermostat Installation:

Disconnect the power from the home wiring. **Risk of electric shock:** Installation should only be performed by qualified personnel.

- Figure A: Use a screwdriver to pry up the tabs at the bottom of the thermostat to separate the front panel.
- Figure B: Connect the power cables to terminals L and N and the boiler control cables to terminals 1 and 2. Screw the thermostat base to the wall box.

C.   D.

- Figure C: Reattach the front panel.
- Figure D: The thermostat is installed.
- Restore power to the system.

Connecting your thermostat to the cloud and smart functions:

- With the thermostat off (turn it on or off using the "Power" button), press the "Lower" button for 5 seconds: the Wi-Fi indicator will start flashing rapidly, indicating that it is waiting for the Wi-Fi network parameters to be configured.
- To connect the thermostat to your home Wi-Fi network, download the Smart Life app from the Google Play Store or the Apple App Store. Tap the + sign in the top right corner and select "Add Manually." Scroll down until you find the "Small Appliance" category and select "Thermostat (Wi-Fi)." Now enter the network information the 9351 should connect to, making sure the network name and password are correct and that it is a 2.4GHz network. The app will ask you to verify that the LED indicator is flashing rapidly, and once you confirm, the network addition will begin. The process takes about 2 minutes, after which you'll see your

new module successfully added to the app. You can then change the name and begin setting it up.

- By accessing the thermostat card from the app, you can view and configure its data. Tapping the pencil icon in the top right will open the menu where you can change the name, share it with others who you want to control it, check the connection with Alexa or Google Home, and view the network connection settings.
- The main screen will allow you to read the measured temperature, under the thermometer symbol inside the house and to set the following parameters:
  - Schedule programming: 6 daily time slots are available, which can be further customized for the 5 working days, Saturday, and Sunday.
  - Manual control: to bypass the schedule programming and immediately change the set temperature.
  - Eco mode: maintains the temperature at a set threshold.
  - Lock: locks the thermostat, so that both the touch controls on the device and other controls on the app interface are blocked. When the display is turned on, the padlock symbol will be active on the 9351.
  - Power off: allows you to turn off the thermostat, so that it is no longer active.

- Thermostat settings from the touch panel: you can set some thermostat parameters directly from the touch panel: by pressing the mode button and the clock button together for 5 seconds you can access the following functions:

Code	Function	Settings	Default
1	Temperature compensation	-9°C – 9°C – Allows you to correct any deviation between the measured temperature and the ambient temperature	-3
2	Deviation range	1 – 5°C – The permissible deviation range from the set temperature	1
3	Key lock	0 / 1 – 0: All buttons are locked except the power button 1: All buttons are locked	1
4	Sensor type	In: Internal sensor Ou: External sensor AL: Both sensors – internal for temperature regulation, external for temperature limit	AL
5	Minimum settable temperature	5 – 15 °C	5
6	Maximum settable temperature	15 – 45 °C	35
7	Displayed temperatura	0: Both the set temperature and the internal temperature are displayed 1: Only the set temperature is displayed	0
8	Low temperature protection setting	0 – 10 °C – The minimum temperature below which the thermostat will automatically switch on to protect the house from excessive cold	0
9	High temperature protection setting	25 – 70 °C - The minimum temperature below which the thermostat will switch off automatically regardless of the setting	45
A	Eco Mode	0: OFF / 1: ON	0
B	Eco Mode Temperature	0 – 30°C	20
C	Display brightness	3 – 99	3

- If you change your Wi-Fi password or change your router, repeat the process described in the first point to connect to the new Wi-Fi network.

6 – Technical Features
Power supply: 95-240 Vac, 50-60 Hz
Measurement error: ±1°C
Temperature control range: 5-45°C
Operating temperature: 0-45°C – 95% relative humidity (non-condensing);
Protection class: IP20
Maximum relay current: 5A
Temperature sensor: NTC 10kW, Parameter B: 3950
Power consumption: <1.5W
Installation: 503 box, round box, diameter 60mm
Wireless network: IEEE 802.11 b/g/n 2.4G Wi-Fi network
Dimensions: front - 131 x 75 x 13.6 mm / back - 50.1 x 50.1 x 23.9 mm

7 – Troubleshooting
- The thermostat won't connect to Wi-Fi:
  - Make sure you've reset it, as described in the Getting Started section;
  - Make sure your router is set to use 2.4GHz Wi-Fi;
  - Make sure your phone is connected to 2.4GHz Wi-Fi;
  - Keep your phone, router, and thermostat close to each other while connecting.

- The thermostat sometimes appears offline in the app:
  - It could be due to the router: different router models allow different numbers of Wi-Fi devices to connect simultaneously. Check that your router hasn't reached the maximum number of devices that can be connected at the same time.