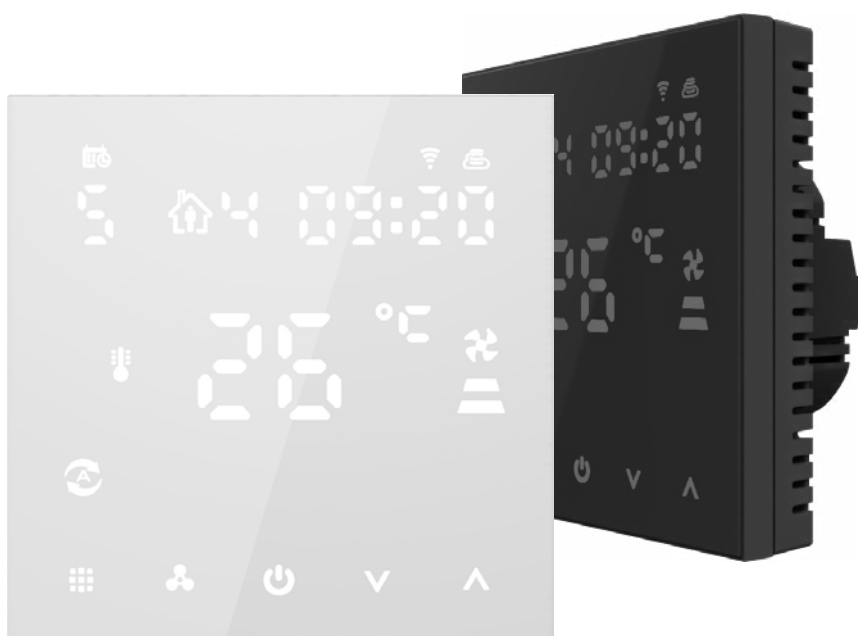


HY607LIC



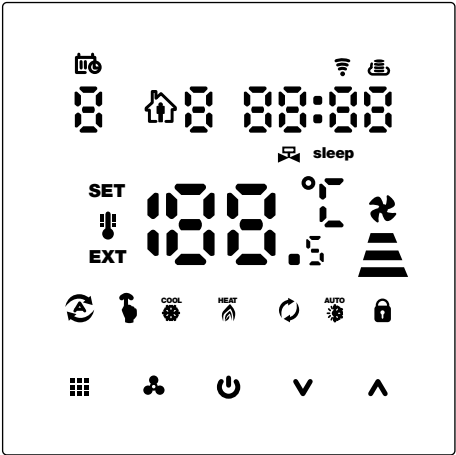
Electronic room thermostat
with touch LED display 24 V DC

EN **OPERATING MANUAL** HY607LIC – Wi-Fi 24 V
installation, operation



Technical specifications

Voltage	24 V
Valve output	on/off type, max. current 3 A
Fan output	0–10 V DC, max. current 10 mA
Displayed temperature range	0–50 °C
Accuracy	±0.5 °C
Operating temperature	0–60 °C
Temperature setting range	5–50 °C
Dimensions	86 × 86 mm
Sensor	NTC (10 k) 1 %
Wi-Fi frequency range	2.4 GHz




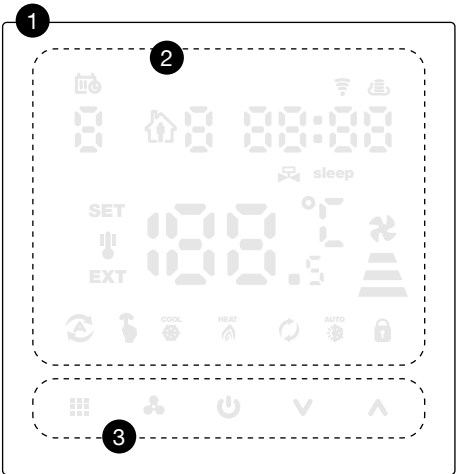
Thermostat description

- 1 **LED display**
- 2 **Information area** – the symbols in this section only indicate the current status or settings of the thermostat. They cannot be controlled by touch.
- 3 **Control area** – this section contains 5 touch-sensitive buttons that allow you to operate the thermostat.


If the thermostat is inactive for 10 seconds, the buttons will turn off. To wake up the thermostat, simply touch any button in the control area.

Turning on the thermostat





When power is supplied to the thermostat, the display lights up and the device resumes its last used mode. To turn it on, touch any button in the control area to wake up the thermostat, then press the power button .



Smart Life app

Install the **Smart Life**  app on your mobile device from Google Play or the App Store. The access **password** for setup or for making any changes in the Smart Life app is: **123456**






Wi-Fi activation for pairing with the app

To activate Wi-Fi pairing, press and hold the button combination  and . In pairing mode, both symbols   will start flashing, indicating that the thermostat is ready to connect to a Wi-Fi network. The supported Wi-Fi frequency band is 2.4 GHz.

Thermostat control



















For more convenient thermostat control, we recommend using the mobile app. It provides an easy and clear interface for managing the thermostat. Once the initial setup is complete within your local Wi-Fi network, you can easily connect to the thermostat at any time.

Control buttons








	Power – turns the thermostat on/off; in settings, also used to go back (while saving changes)
	Mode selection/special functions – short press to switch between manual mode and weekly program, press and hold (3–5 s) for special functions
	Fan speed selection – short press to set the fan speed; in settings, also functions as the confirm button
	Decrease – short press to lower the value
	Increase – short press to raise the value

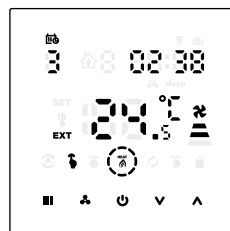
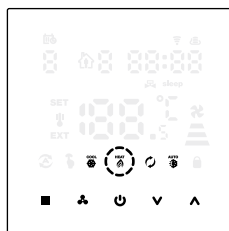
Explanation of symbols

The symbols in the information area of the thermostat indicate the current status and operation of the device.








	Heating mode
	Cooling mode
	Ventilation mode – in this mode, the fans operate independently of temperature. The valve remains closed.
	Automatic mode – heating and cooling, 4-pipe system
	Manual mode
	Program mode – temperatures are controlled by the weekly schedule
	Temporary manual mode
	Fan speed – high, medium, low
	Set temperature
	Temperature from internal (built-in) sensor
	Temperature from external sensor
	Time and day of the week
	Weekly program
	Open valve – if the difference between the set and measured temperature is greater than 1 °C, the valve opens. Once the temperature matches, the valve closes.
	Sleep mode
	Lock
	Cloud – if flashing, it means the device needs to be switched to Wi-Fi pairing mode
	Wi-Fi

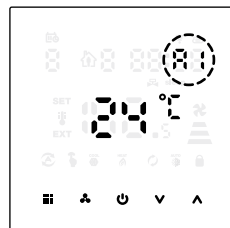
Initial settings check

1) Setting the operating mode to heating – if the thermostat is not set to heating mode, it must be reconfigured. With the thermostat fully on, press and hold  for 3–5 seconds. The display will show  and 01, Confirm with . Now use the  and  buttons to select . Confirm the selection with .














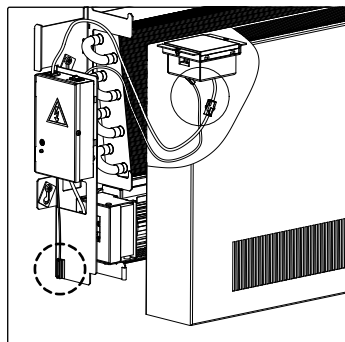
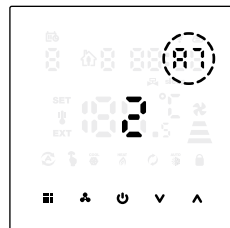
2) Temperature calibration option – if you suspect a discrepancy between the actual room temperature and the temperature displayed by the thermostat, you can calibrate it:













A) via the thermostat – turn off the thermostat using . Then turn it back on  (only the control buttons at the bottom of the thermostat light up) and press  for 3–5 seconds to access the settings menu. **A1** will appear at the top of the display. Use ,  and  to navigate through settings A1–AE (see table on page 7). Temperature calibration is adjusted in mode **A1**. Enter a compensation value between ± 9 °C based on the difference between actual and displayed temperature (e.g. if the thermostat shows 2 °C more than a reference thermometer, set the calibration to -2 °C). Confirm and exit by pressing  or wait 10 seconds to exit automatically.

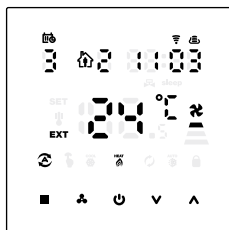


B) via the Smart Life app – open the Smart Life app, select the appropriate thermostat device, and go to the settings. Choose “Temperature Calibration” or “Temperature Correction”. Enter a compensation value within ± 9 °C based on the temperature difference (e.g. if the thermostat shows 2 °C more than a reference thermometer, set the correction to -2 °C). Save the setting. From now on, the thermostat will display the corrected temperature.

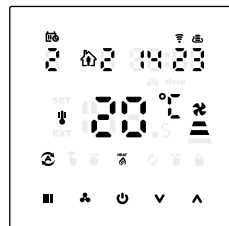
3) Checking the convector type (2-pipe system) – by default, the setting in position **A7** should display **2**. If not, turn off the thermostat with . Then turn it back on (only the control buttons at the bottom of the thermostat will be lit)  and press  for 3–5 seconds to enter the settings menu. The display will show A1 at the top. Use the ,  and  buttons to navigate through settings A1–AE (see the table on page 7). Use  and  to reach **A7**, where you can check or modify the convector type. Use  and  to select option **2** – 2-pipe system. To confirm the changes and exit, press  or wait 10 seconds to exit automatically.



4) Checking the external sensor setting – the wall-mounted unit is equipped with an external sensor for accurate temperature measurement, which is not affected by internal temperature (unlike the built-in sensor). The sensor is located at the bottom of the casing. To check proper setup: Turn off the thermostat with . Turn it back on  (only control buttons light up), and press  3–5 for 3–5 seconds to enter the settings menu. A1 will appear at the top of the display. Use the ,  and  buttons to navigate through settings A1–AE (see the table on page 7). Use ,  and  to navigate to setting **A8**. Use  and  to select **N2** – external sensor. Confirm and exit by pressing  or wait 10 seconds to exit automatically.



5) Final visual check of settings – after completing all installation and commissioning steps, a final visual check is necessary. Make sure the thermostat hasn't been accidentally switched to a different operating mode, such as Sleep Mode or another advanced mode that could affect proper operation. If the thermostat is shown in a non-standard mode, refer to the Advanced Settings or Functions section for instructions on how to change or disable the mode.











Functions

Operating mode (heating, cooling, ventilation)	When the thermostat is on, press and hold for 3–5 seconds. The display will show 01 and the manual mode . Confirm with . Now use and to select the desired mode: Cooling mode , Heating mode , Ventilation mode , Auto mode (heating and cooling, 4-pipe system). Confirm the selection with .
Manual/ Weekly mode	With the full display on, a short press of toggles between manual mode and weekly mode .
Fan speed	When the thermostat is fully on, press to select fan speed – high , medium , low or auto mode . Blinking fan speed indicators mean automatic fan speed is active (based on the difference between the set and measured temperature).
Wi-Fi pairing	With the thermostat fully on, press and hold for 3–5 seconds to start Wi-Fi pairing with a smart mobile phone.
Time setting	With the thermostat fully on, press and hold for 3–5 seconds, then use to move from setting 01 to 02. A clock icon will appear in the top corner. Confirm with . Now set minutes using and press to continue. Use the same method to set the hour and the day of the week (1–7). Finish by pressing or wait 10 seconds to exit automatically.
Sleep mode	With the thermostat fully on, press and hold for a few seconds. sleep will start blinking – press to confirm or to cancel. Sleep mode is used to save energy at night when the user is asleep and heating is not needed at the set temperature. In this mode, the desired temperature gradually decreases. Sleep mode is not available when ventilation or auto mode is active.
Thermostat lock	With the thermostat fully on, press and hold for 3–5 seconds to lock the device. A lock icon will appear on the display. You can choose the type of lock in setting A2, see advanced settings, table on page 7.
Thermostat unlock	To unlock, enter PIN 123 . Press for 3–5 seconds. The top of the display will show 000 . Use and Confirm each digit and move to the next with . In the mobile app, PIN is not required for unlocking.
On/Off timer	This function is available only in the mobile app. You'll find it in the thermostat's settings under "Cloud timing." It allows you to program automatic switching on and off of the thermostat within defined time intervals.

Weekly mode settings







The thermostat supports setting different times and temperatures, allowing weekly scheduling in 5+2, 6+1, or 7-day mode. You can select the type of weekly mode through advanced settings under the symbol **A6**.

Program mode type


With the thermostat fully on, press and hold  for 3–5 seconds, then use  to select 03 with the  symbol on the display, and confirm with . Now set the start time and temperature for the first time block using  and  and confirm with . First, set the hour, then minutes, and finally the desired temperature. Confirm by pressing . Continue in the same way to set all 4 time blocks. For more convenient weekly scheduling, use the mobile app.

Time block		Time (default)	Temperature (default)
Monday–Sunday	01	06:00	20 °C
	02	08:00	15 °C
	03	17:30	22 °C
	04	22:00	15 °C

Advanced settings

To access the thermostat's advanced settings, turn off the thermostat . Then wake it up to the state where only the control buttons at the bottom light up, and hold  for 3–5 seconds. Use  to navigate through the advanced settings options as shown in the table below (A1–AE). Use  and  to change the settings. To confirm changes and exit, press  or wait 10 seconds to exit automatically.



Symbol	Item	Parameters	Default
A1	Temperature offset calibration	±9 °C	-1 °C
A2	Lock	0 – partial lock (only thermostat on/off and temperature setting allowed) 1 – full lock	0
A3	Minimum temperature setting	5–15 °C	5 °C
A4	Maximum temperature setting	16–50 °C	35 °C
A5	Fan energy-saving control	0 – valve off, fan off 1 – valve off, fan always on	0
A6	Weekly program format	0=5+2 (weekdays + weekend) 1=6+1 (Monday–Saturday + Sunday) 2=7 (same every day)	0
A7	Select valve output	2=2-pipe system 4=4-pipe system	4
A8	Select sensor	N1 – internal sensor N2 – external sensor N3 – dual sensor – when N3 is selected, in heating mode the valve is usually open and the fan turns on when the external temperature is ≥ X °C. When the temperature drops 2° below X °C, the fan turns off.	N1
A9	Set temperature X °C for external sensor N3	20–60 °C	38 °C
AA	Display brightness in standby mode	0 – off, 1 – dim light, 2 – brighter light (display brightness in standby)	2
AB	Low fan speed	5–45 % [0,5–4,5 V]	40
AC	Medium fan speed	46–75 % [4,6–7,5 V]	70
AD	High fan speed	76–100 % [7,6–10 V] [Display limit 100, shows 99]	95
AE	Factory reset	Hold the button  until the whole display lights up and the thermostat resets to factory settings.	Ao

Installation notes

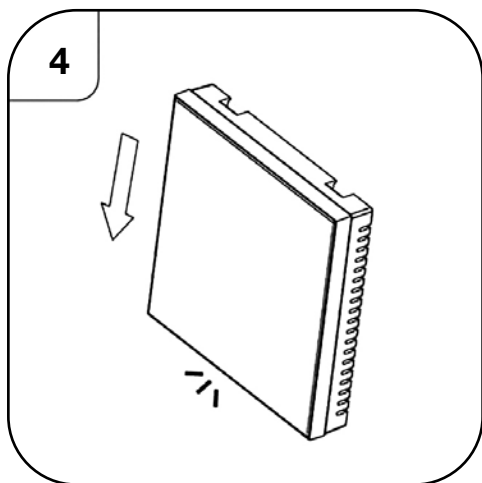
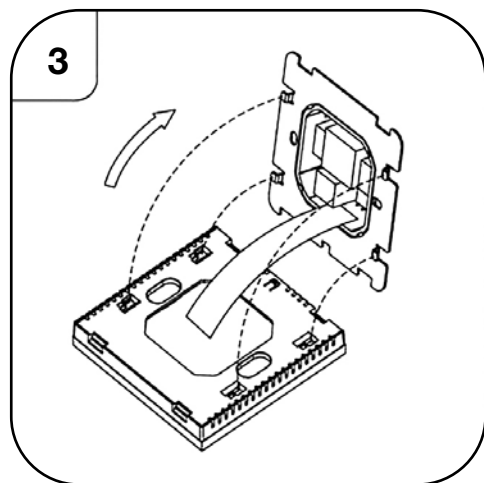
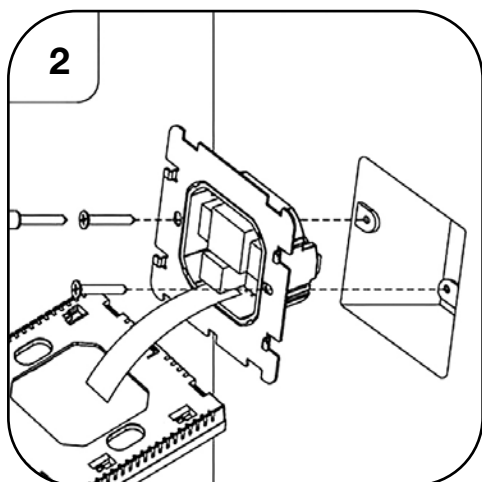
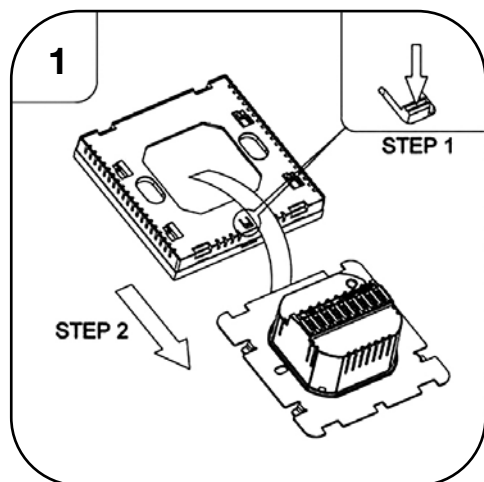
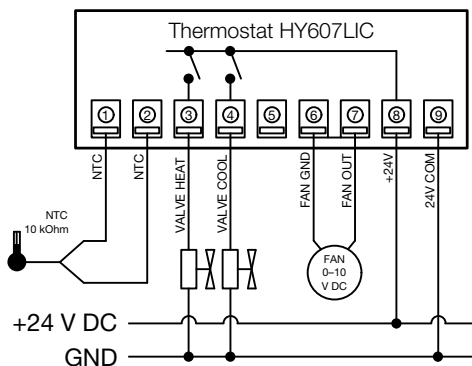
- 1. To prevent large fluctuations on the thermostat display, a special adjustment has been made in the software. Therefore, it is normal for the thermostat not to immediately display sudden temperature changes.
- 2. The thermostat should be installed 1.5 meters above the ground.
- 3. When installing the thermostat, make sure not to place it in corners, near doors, windows, behind doors, or in unheated areas such as exterior walls. Avoid placing the thermostat near air ducts, radiators, chimneys, or heating pipes.
- 4. Ensure correct connection of the power cables and make sure the power cord is well insulated during installation.
- 5. Do not open the front cover or make any unauthorised modifications to the internal electronics.
- 6. The HY607LIC thermostat is designed for installation in a standard wall box with dimensions 75 × 75 × 35 mm. Follow the instructions for opening the back cover, mounting to the wall, and connecting the wiring.
- 7. Before installation, make sure the thermostat is disconnected from the power supply. The maximum voltage of the thermostat must comply with the specifications in the manual.

Error messages

E1	Internal sensor alarm	Check if the NTC sensor is damaged.
E2	External sensor alarm	Check if the NTC sensor is disconnected or damaged.

Wiring diagram

This manual is intended for model
HY607LIC Wi-Fi 24 V. Follow all safety
instructions during installation and operation.





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