1 GENERAL SYSTEM INFORMATION

This device is part of the Innovega® room heating solution and communicates via its own radio protocol. It can be comfortably and individually configured via smartphone via the associated app. The functional scope of the system in combination with other components can be found in the respective user manual.

Scope of delivery

Amount	description
1	thermostat
1	magnetic mounting bracket
2	batteries
1	user manual
2	screws
2	dowels

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Changes in the sense of technical progress can be made without prior notice.

Version 1.0

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2 INSTRUCTIONS FOR USE

Read these instructions carefully before using your Innovega® devices. Keep the instructions for future reference! If the device is used by others, please hand over this manual as well.

Used symbols		
	Attention! This indicates a danger.	
Ĵ	Note: This section contains additional important information!	

3 HAZARD NOTICE

Do not open the device. It contains no user-serviceable parts. If a fault occurs, have the device checked by a specialist.
For reasons of safety and approval (CE), the unauthorized conversion and / or modification of the device is not permitted.
Operate the device only in a dry and dust-free environment, do not expose it to moisture, vibration, constant solar or other heat radiation, cold and no mechanical stress.
The device is not a toy! Do not allow children to play with it. Do not leave the packaging material careless. Plastic films / bags, Styrofoam parts etc. can be dangerous for children.

	In case of property damage or personal injury caused by improper handling or non-observance of the hazard warnings, we assume no liability. In such cases, any warranty claim expires! For further damages we do not accept liability!
0	The device is only suitable for use in home-like environments.
	Any other use than that described in this manual is not intended and leads to warranty and disclaimer.

4 FUNCTION AND DEVICE OVERVIEW

With the wireless thermostat, you can regulate your infrared heating in conjunction with radio receivers temperature controlled and adapted to your individual needs. In addition, time-controlled heating is possible with a smartphone app for Android and iOS. Matching receivers and apps can be found in Chapter 12 "Compatibility". The wall thermostat cyclically measures the temperature in the room and switches the heater or even several heaters so that the room temperature can be regulated exactly.

You can assign the thermostat directly to one or more radio receivers. A maximum of 4 radio receivers can be connected. This makes it easy to control several heaters in a room. Thanks to the battery operation, the wall-mounted thermostat offers a high level of flexibility and choice of installation site. The mounting is very easy by screwing the magnetic mounting plate on different surfaces such as masonry, furniture, tiles or glass.

Device overview front view:

Electronic unit (thermostat) with display



Magnetic mounting bracket





B Pushbutton or rotary control



Device overview Rear view:

Electronic unit (thermostat)





K Battery compartments

Connectors for

magnetic mounting notches



M Link-up button



Reset button



Display Overview:



P Actual temperature



0 Target temperature

Bluetooth[®]







Number of connected receivers

10

5 FIRST USE

5.1. Connecting thermostat and receiver

For the radio thermostat to control your heating system, it first must be connected to the receivers of the heating systems to be controlled. Before initial use, insert 2x 1.5 V LR03 / Micro / AAA batteries into the battery compartments on the back of the thermostat.

If you want to connect the radio thermostat to a receiver, proceed as follows:

• Bring the thermostat as close to the receiver as possible (5 to 15cm).



- Press the link-up button on the back of the thermostat.
- The connection process is started. The LED flashes yellow during this process.

Successful connection is signaled by a green flashing of the device LED. If the connection process was unsuccessful, the device LED flashes red. Start the process again.



A maximum of 4 different receivers can be linked to a thermostat.

5.2. Mounting

To mount the wall-mounted thermostat to the wall using screws, proceed as follows:



Please read this section completely before beginning mounting.

Select a suitable mounting location.



Make sure that there are no cables in the wall at the selected position!

- Hold the mounting bracket up to the desired mounting position. Make sure the arrows on the front of the mounting bracket are facing up.
- Draw 2 of the holes using the mounting bracket (diagonally opposite) with a pin on the wall.
- · Drill the marked holes.



For stone, brick or concrete walls, use a suitable 5 mm drill bit for the dowels. For wooden walls you can use a 1.5 mm drill bit to facilitate screwing in the screws. Mount the mounting bracket by screwing in the provided dowels and screws.



Place the thermostat with the back on the mounting bracket and make sure that the thermostat engages snugly in the magnetic mounting bracket.



At the thermostat only all receivers can be deleted at once. It is not possible to delete individual receivers.

To delete all receivers connected to the thermostat, proceed as follows:

- To disconnect the receiver from the thermostat, press and hold the system button on the receiver for 3 seconds.
- Disconnect the thermostat from the magnetic mounting bracket.
- · Press the recessed reset button on the back of the thermostat.



By deleting the receiver on the thermostat they can no longer be controlled. To re-control a receiver, it must be reconnected to the thermostat.

6 OPERATING MODES AND CONFIGURATION

After linking and installing, you can change settings in the configuration menu to customize the device to your personal needs.

The thermostat offers 3 different operating modes:

- · manual operation,
- · the automatic mode (AUTO) and
- the off state.

6.1. Manual mode

In manual mode, the temperature is controlled according to the temperature set on the knob. This temperature is shown on the right side of the display and remains stored until the next manual change.

6.2. Automatic mode "AUTO"

In automatic mode, the temperature control is carried out according to a weekly program that can be configured via the smartphone app.



Please note that the factory setting of the weekly program is as follows: Monday to Friday, 0-24 oʻclock, $19^{\circ}C$

To switch from manual mode to automatic mode, keep the knob pressed for between 1 and 3 seconds. The display shows "AUTO" as confirmation for switching to automatic mode.

> To switch from automatic mode back to manual mode, simply turn the rotary knob. The "AUTO" symbol disappears to confirm. Alternatively, you can hold down the knob for between 1 and 3 seconds.

To edit the weekly program for the automatic mode, please proceed as follows:

- Download and install the free smartphone app "Heat Control" from the GoolgePlay Store or the Apple App Store on your smartphone.
- Activate Bluetooth on your smartphone and make sure that your smartphone can be found via Bluetooth.



Π

You may need to enable the Bluetooth visibility of your smartphone or allow geolocation on Google Android smartphones. · Start the app "Heat Control" on your smartphone.



Note that to enable the Bluetooth connection the thermostat must be in automatic mode.

- You will be prompted by the app, keep the knob on the thermostat pressed. Keep it pressed (for at least 3 seconds) until the Bluetooth symbol starts to flash.
- The thermostat now connects to your smartphone via Bluetooth, the Bluetooth symbol is permanently displayed.
- The app displays the current weekly program of the thermostat. You can now adapt this to your wishes.



 All changes are stored directly on the thermostat when the Bluetooth connection is maintained. You can stop the app after making any changes.

6.3. Turning the thermostat OFF

A short press (less than 1 second) on the knob turns off the thermostat directly. Press the rotary knob again briefly to switch the thermostat back to manual or automatic mode.



When switched off, there is no control of the heaters.

7 CHANGING BATTERIES

To change the batteries of the wall-mounted thermostat, proceed as follows:

- · Disconnect the thermostat from the magnetic mounting bracket.
- · On the back of the thermostat are the two battery compartments.
- Insert two new 1.5 V LR03 / Micro / AAA batteries into the battery compartments with the correct polarity as indicated.
- · Replace the thermostat correctly in the magnetic mounting bracket.



Batteries must never be charged. Do not throw batteries into the fire! Do not expose batteries to excessive heat. Do not short-circuit batteries. There is a danger of explosion!



Used batteries are not to be disposed in household waste! Dispose of them at your local battery collection point!

8 TROUBLESHOOTING

8.1. Connection error

If at least one receiver does not acknowledge a command, the error code _E" lights up in the display at the end of the faulty transmission. The reason for the faulty transmission may be a weak battery or a radio interference (see _12 General information on radio operation"). The faulty transmission can have the following causes:

- · receiver out of reach,
- · batteries of the thermostat are weak,
- · receiver is without power supply or
- · receiver defective.

In this case, replace the batteries on the thermostat as a precautionary measure and check the receivers for accessibility. If the thermostat can reset the connection after the problem has been remedied, the error code "E" disappears from the display. If this does not happen, delete all receivers from the thermostat and reconnect them if necessary.

8.2. Failure of the power supply

In the event of a power failure (such as removal of batteries), the thermostat will lose the current time and date. When power is restored, the thermostat starts in manual mode. When switching to automatic mode, a "P" appears instead of the setpoint temperature. Reconnecting with the smartphone app is necessary to update the time and date on the thermostat.

8.3. Flashing sequences and error codes

Flashing sequences are indicated by the LEDs on the back of the thermostat.

Flashing sequence	Meaning	Solution
LED flashes yellow	Connection procedure to receiver is active.	Wait for connection process to complete.
LED flashes green	Connection process completed successfully.	
LED flashes red	Connection process unsuccessful.	Start the connection process again.

Error codes are shown in the display on the right side instead of the target temperature.

Error code	Meaning	Solution
E	Connection error to one or more recipients.	Check the connection between the thermostat and the receiver(s) as described on page 21.
Ρ	Time and date after battery failure wrong.	Connect the thermostat (as described on page 21) with the smartphone app to update the time and date.

9 MAINTENANCE AND CLEANING



Clean the device with a soft, clean, dry, lint-free cloth. To remove excess dirt, wipe the cloth lightly with lukewarm water. Do not use solvent-based cleaning agents, as this can damage the plastic housing and the lettering.

10 GENERAL INFORMATION ON RADIO OPERATION

The radio transmission is on a non-exclusive transmission path, which is why disturbances can not be ruled out. Further disturbances can be caused by switching operations, electric motors or defective electrical appliances.



10.1. Duty Cycle

The duty cycle describes a legally regulated limitation of the transmission time of devices in the 868 MHz range. The aim of this scheme is to ensure the operation of all devices operating in the 868 MHz range. In this frequency range, the maximum transmission time of each device is 1% of an hour (ie 36 seconds in one hour). In normal operation, the duty cycle is usually not achieved. However, this may be the case in individual cases during initial installation of a system by increased and intensive connecting processes.

Innovega[®] GmbH hereby declares that this device complies with the basic requirements and other relevant provisions of Directive 1999/5 / EC.

11 TECHNICAL DATA

Device short name:	TH07
Supply voltage:	
Power consumption:	
Battery life:	1 year (typ.)
Type of protection:	IP20
Ambient temperature:	0 to 40°C
Dimensions (W x H x D):	80 x 80 x 14 mm (without button)
Mass:	
Radio frequency:	
Recipient category:	SRD
Type. Radio Free Field Range:	
Mode of action:	Тур 1
Pollution degree:	2

Disposal notes



Do not dispose of this device with domestic waste. Electronic devices must be disposed of in accordance with the WEEE Directive through local electronic waste collection points.

Compliance Notice

C	E

The CE mark is a free trade mark that is addressed exclusively to the authorities and does not contain any assurance of properties.



For technical questions about the device, please contact your dealer.

12 COMPATIBILITY

The radio thermostat TH07 is compatible with the following receivers:

- Receiver switch socket RL07
- Built-in receiver

The radio thermostat TH07 can be controlled by the following app: "Heat Control" by Innovega GmbH, for free in the Google Play Store and in the Apple App Store

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