F32 WiFi

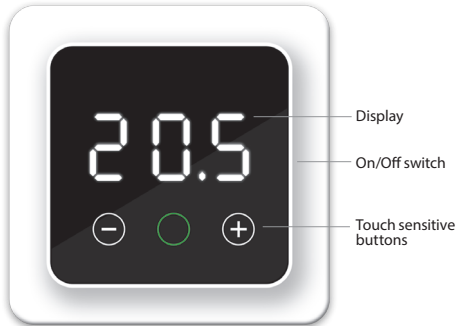**Smart WiFi thermostat for electric underfloor heating**
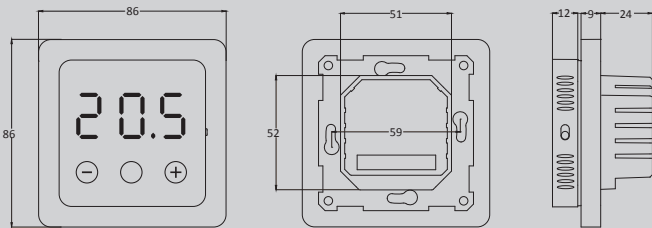

Display
On/Off switch
Touch sensitive buttons

1. Introduction

Study this manual carefully and keep it with the warranty documents. Connection must be carried out by a qualified fitter in accordance with local regulations. Before mounting or dismounting the thermostat, always switch off the electricity in the meter cupboard. This thermostat can be mounted in a single flush-mounting box 50 mm deep in accordance with standard DIN formats.

2. Technical specifications

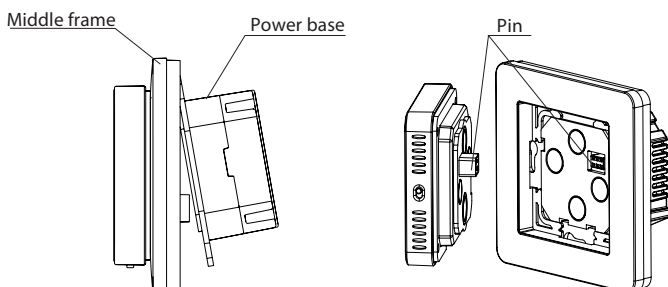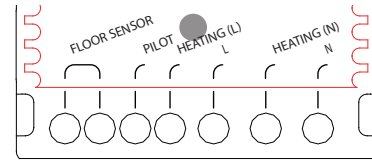|	
Voltage	230V - 50/60 Hz
Max. Load	max. 16 Amp. / 230V (when connected to 16A load, power cable of load must be 2.5mm^2)
Standby voltage	1W
Temp. range	+5/+40°C
Frequency	4 Ghz
Housing	IP21
Standard colour	Polar white (RAL 9010) or Graphite Black (RAL9011)
Sensor	Floor and build in air sensor
Warranty	2 years manufacturer's warranty
Approvals	FI / CE
Manufacturer	MAGNUM Heating Group B.V. NL

3. Assembly/Dismounting

WARNING: Always cut off the power connection before installation or disassemble.

Disassemble: Hold the middle frame with one hand, slightly pull the power base outward with the other hand, then you can take off the power base easily without any tooling.

Installation: Align the pin connector, carefully push. The display will be magnetically attached to the power base.

Middle frame   Power base   Pin

4. Connection diagram

FLOOR SENSOR   PILOT   HEATING (L)   L   HEATING (N)   N

⚠ **This product must be secured with a 16A mians circuit breaker in the electrical cabinet!**

FLOOR SENSOR	Floor sensor connection
PILOT WIRE	Connection for home automation (Hotel)
HEATING L *	Heating cable connection wire
L	Power Supply (Phase)
HEATING N *	Heating cable connection wire
N	Power supply (Neutral)
EARTH	Connect the earth of the heating cable and the earth of the power supply outside the thermostat using the supplied terminal block.

* Order HEATING L or N does not apply.

5. Operation

If the thermostat is connected, turn the on/off switch down to turn the thermostat on. The thermostat can be operated from the base using the 3 touch-sensitive buttons on the bottom of the screen. The middle button can display the following colours:

Green On :	Thermostat in operation
	Blinking: confirm choice
Red On :	Heating
	Blinking + text: Error message (point 9).
Blue	WiFi function (point 7)

6. Basic functions

Below are functions that you can control via the thermostat itself. To be able to use all functions you need to download the App and connect this thermostat to a WiFi network (See point 7).

6.1 Temporary temperature
On the main screen, press + or - to select a temporary temperature and confirm with O. This temporary temperature is active until the start of the next heating period.

6.2 Key lock
LOC Lock the keys to prevent settings from being changed. Press "-" for 5 seconds to lock, "+" for 5 seconds for unlock

6.3 Selecting a program
Press O and then scroll with + or - to select the following programs:

AUt Auto mode:
The thermostat operates on the basis of the set programme to save energy. This program can only be adjusted via the App up to 3 periods per day. The default program is shown in point 9.

MA Manual mode:
Thermostat operates on the basis of the manually set temperature.

HOL Holiday mode:
Select the number of days of absence and then set the temperature. At the end of this set period, the controller will return to the automatic program.

FSP Frost protection mode:
Select this function and then set the minimum temperature (fixed at 7°C) to keep the floor frost-free in the event of prolonged absence.

SLO Slow start:
Used with new floors due to the natural drying time. The thermostat will increase the temperature step by step during 21 days to a maximum of 23°C and will return to the automatic program at the end of this period.

7. WiFi Connection for extended functions

To be able to use all functions you can download the App and connect this thermostat to a WiFi network. With this App you can, among other things:

- Always access the thermostat with your mobile via 4G or WiFi wherever you are.
- Adjust the program to your personal preference.
- Select mode or read consumption.
- Give other people within your family easy access.
- Advanced settings: These settings may only be adjusted in consultation with the supplier in order to avoid unwanted results!

Factory settings:
Flooring : Other (Tile floor)
Temperature via : Floor sensor
Intelligent function : On
Open windowfunction : On

STEP 1
Scan the QR code with your smartphone or search in the Apple App Store or Google Play Store for: **Heat Link**. Download the App and start it up. Then create an account and complete this procedure

STEP 2
On the thermostat: Press and hold the centre button for 5 seconds until "APP" appears in the display.

APP Fast blinking = Standard method (See 7.1)
Slow blinking = Access Point mode (See 7.2)

NB: You can switch between these 2 modes by pressing the middle button and release after 5 seconds.

STEP 3

7.1 Default method Wi-Fi connection

On your Smartphone:
- In the App: Choose "Add device "
- Choose the F32 thermostat in the menu
- Press "connect "
- Choose the WiFi network (does not work on 5 Ghz WiFi networks!)Enter the WiFi network password and confirm
- The thermostat will now connect to the WiFi network. This will take a maximum of 1 minute.

WUF If this code appears and the middle button is coloured blue, the connection is successful.

7.2 Alternative method (Access Point)

If the above method does not work, then Access Point is an alternative method (does not work on 5 Ghz WiFi networks).

On the thermostat:
Press and hold the centre button for 5 seconds until "APP" appears in the display and flashes slowly.

On your Smartphone (Bluetooth: On)
- In App: Choose "Add device".
- Choose the F32 thermostat from the menu
- Choose "Other" (top right of screen) and select AP mode: AP Mode.
- Enter the password of the WiFi network and confirm.
- The app will now ask you to connect to SmartLife-XXXX.
- The thermostat will then connect to your home network itself. This will take up to 1 minute.

WUF If this code appears and the middle button is coloured blue, the connection is successful.

8. Google assistant en Amazon Alexa

Via a Google or Amazon supported speaker you can set the temperature of your thermostat higher or lower or ask what the current temperature is. This can be done for every thermostat added in the App.

Connecting to Google Assistant or Amazon Alexa is explained in the App.

In the App, go to your "Profile", choose "More Services" from the menu and follow the steps. You will also be prompted to install a service skill. Search for the skill: ""**Heat Link**"" and follow the steps.

9. Default program

The thermostat operates in Auto Mode according to the set programme in order to save energy. This programme can only be adjusted via the App (up to 3 periods per day). The schedule for this default programme is set at the factory as follows:

	Period 1		Period 2	
	Start	**End**	**Start**	**End**
Mo - Fr	08:30 23.0ºC	10:00 18.0ºC	16:30 23.0ºC	22:00 18.0ºC
Sa - Su	08:30 23.0ºC	10:00 18.0ºC	16:30 23.0ºC	22:00 18.0ºC

10. Error messages

In the event of a malfunction, the following codes may appear on the display. In this case, the middle button will flash quickly and light up red.

WUF Meaning: WiFi Connection disconnected.
Solution: Check whether the router is working. Reconnect to the home network or to a new router.

FSE Meaning: Floor sensor defective / not connected.
Test: Check if the sensor is connected and measure it with a multimeter.

OWW Meaning: Open window detected.
Cause: Strong drop in temperature.
Test: Close window or door. Thermostat will return to the selected program after 15 minutes.