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C16WiFi Basic WiFi
Thermostat For
Electric Floor Heating

Klima C16WiFi Basic WiFi Thermostat For Electric Floor Heating User Guide

Contents

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Klima C16WiFi Basic WiFi Thermostat For Electric Floor Heating

Product Usage Instructions

- Connect the thermostat according to the connection diagram.
- Put the frame on it and click the display back into place.
- The startup menu will be updated automatically after connection.
- Options in the menu include Clock, Current Temperature, and Heating
- Percentage, Current Period (Smart Mode), Key Lock, Frost Protection Mode, and Manual Mode.
- Follow the wiring diagram provided to connect the thermostat properly in the meter cupboard. Ensure the maximum load is around 90% of the 16A to extend the service life.
- Download the Warmme App via QR code or from the App Store/Google Play Store.
- Create or log in with an existing account on the App.
- Simultaneously press the Up and Down buttons on the thermostat.
- Click on Add device in the App.
- Complete the connection process by clicking Done after the App connects to the thermostat.
- Press Up or Down to set a temporary temperature that remains active until the next heating period.
- Select Smart Mode for energy-saving operation based on a schedule or Manual Mode for setting a specific temperature manually.
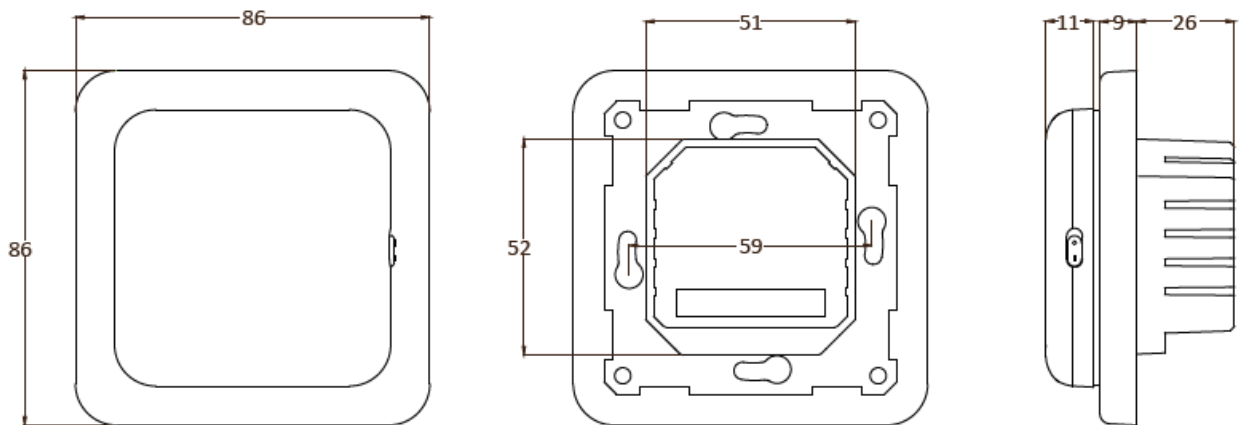
Introduction

- 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.

- These regulations describe the C16 Basic and the C16 WiFi version.
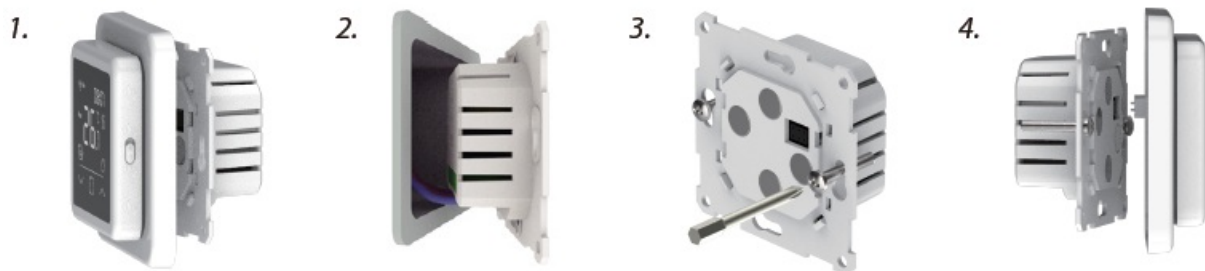
Technical Specifications

- **Voltage:** 230V – 50/60 Hz
- **Max. load:** Max. 16 Amp / 230V
- **Standby voltage:** C16 Basic: 1W / C16 WiFi: 2W
- **Temp. range:** +5/+40ºC
- **Housing:** IP21
- **Standard colour:** Polar white (RAL 9010)
- **Sensor:** Floor sensor and built-in Air sensor
- **Warranty:** 2 years manufacturer's warranty
- **Approvals:** FI / CE
- **Manufacturer:** MHGroup B.V., Netherlands

Dimension

Assembly

1. Press with your fingers at the top of the display and pull it towards you.
2. Connect the thermostat according to the connection diagram (point 4).
3. Mount the thermostat on the flush-mounting box.
4. Put the frame on it and click the display back into place.
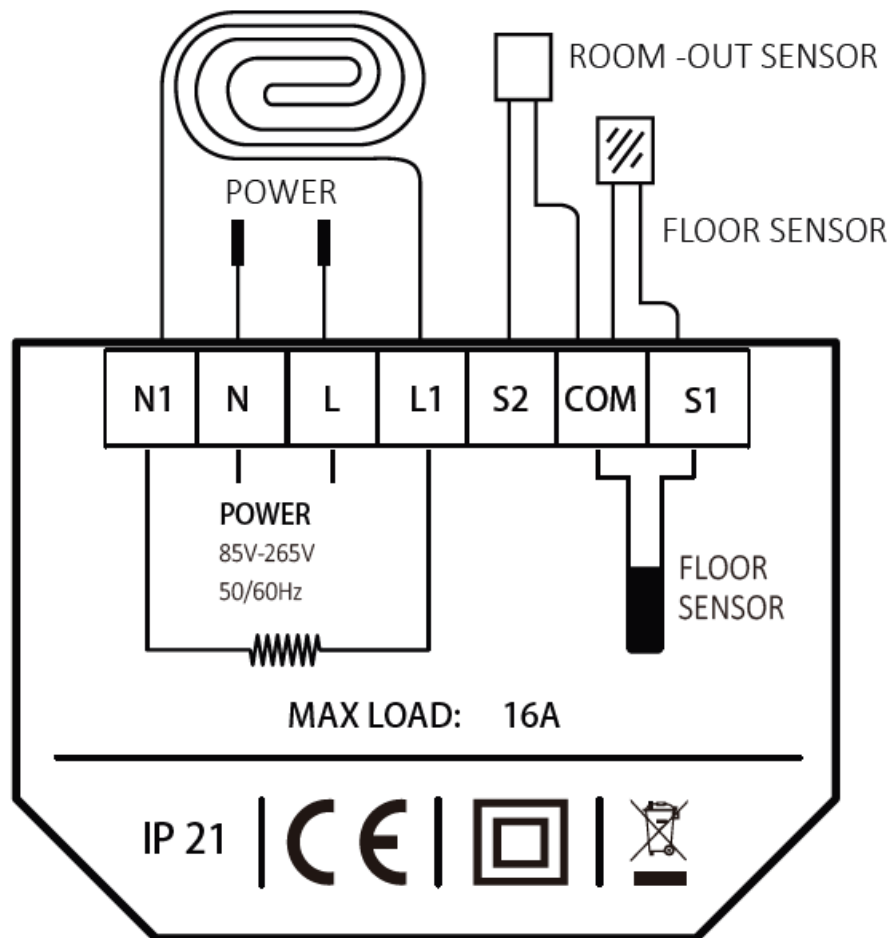

Wiring diagram

- 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.
- Recommendation: Keep the maximum load around 90% of the 16A to extend the service life.

FLOOR SENSOR: Floor sensor connection
ROOM OUT SENSOR: External room sensor connection

- **N1:** Heating cable connection wire*
- **L1:** Heating cable connection wire*
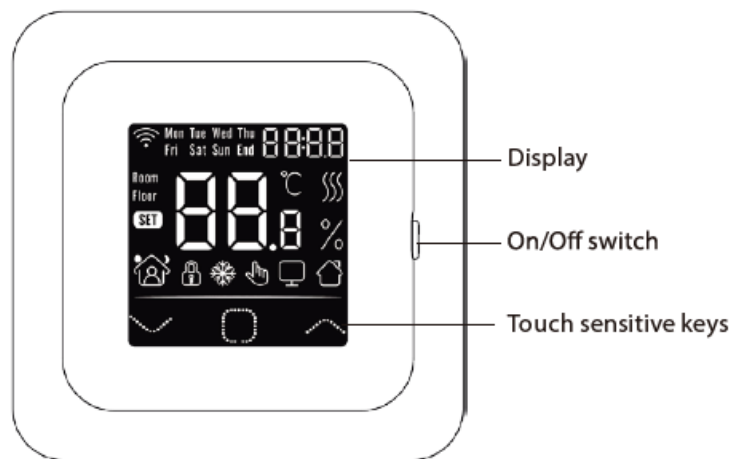- **N:** Power supply (Neutral)
- **L:** Power supply (Phase)

EARTH: Connect the earth of the heating cable and the earth of the power supply outside the thermostat using the supplied terminal block.
Order L1 or N1 does not apply.

Explanation of symbols

- When the thermostat is connected, turn the on/off switch down to turn the thermostat on.
- The thermostat is operated by means of the 3 touch-sensitive buttons on the bottom of the screen and has a series of fixed symbols in the display.

Confirm (touch-sensitive key)		Current temperature
Down (touch-sensitive key)		Heating
Up (touch-sensitive key)		Percentage
WiFi indicator		Current period (Smart Mode)
Hello		Key lock
Clock		Frost protection mode
Room temperature		Manual mode
Floor temperature		Office
Set up		House

Startup menu

- At the first startup, the following settings need to be entered.
- With the WiFi version it will be updated automatically after connection.

Clock (CLK)

Choose Day   Choose Hour   Choose Minutes

Sensor selection (5 options)

1. Floor sensor
2. Room sensor
3. Room sensor with a floor sensor limit
4. External room sensor
5. External room sensor with floor sensor limit

Limit the floor temperature

- For tiled floors up to 35 degrees. PLEASE NOTE: For wooden floors set to a maximum of 28 degrees!

Home or office situation (00 = Home, 01 = Office)

WiFi Connection

WiFi Connection (C16 Wifi version only)

- **Step 1:** Download the App via the QR code or by searching for "Warmme" in the App Store or Google Play Store.
- **Step 2:** Start the App and create or log in with an existing account.

- **Step 3:** On the thermostat, simultaneously press ▽ and △ for 5 seconds and check if the WiFi symbol on the thermostat is flashing.
- **Step 4:** Click on "Add device" at the bottom of the screen.
- **Step 5:** Fill in the WiFi network password on the smartphone and click "Confirm".
- **Step 6:** Click "Done" after the App has connected to the thermostat and the connection is complete.
- **Step 7:** You can check, adjust or set the current temperature, turn the thermostat on or off and perform other operations from the main screen on your smartphone.

You can use the App to give other people in your family access to or exclude multiple thermostats.

Google Assistant or 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. 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.

Function and operation

Temporary temperature

- On the main screen, press $\triangledown$ **or** $\triangle$ to set the temporary temperature. This temporary temperature is active until the start of the next heating period.

Mode
On the main screen, press ⬜ to select the following modes:

- **Smart mode:** This is the default mode. The thermostat operates on the basis of the set heating schedule in order to save energy.

- **Manual mode**: The Thermostat operates on the basis of the manually set temperature.

- **Frost protection mode:** The thermostat will operate with the low set temperature. The maximum is 15°C.

Key lock

- Lock all keys to prevent settings from being changed. On the main screen, press ⬜ and $\triangle$ simultaneously for 3 seconds to lock or unlock.

Menu
On the main screen ⬜ , press and hold for 3 seconds to activate the menu.

- CLK Set day and time (8.4.1)
- EVE Set schedule (8.4.2)
- READ Read consumption in % (8.4.3)
- SET Advanced settings (8.4.4)
- END Return to main screen

Clock (CLK)

- Day, hour, and minutes can be adjusted here via $\triangledown$ **or** $\triangle$ and confirmed with ⬜.

- With the WiFi version, it is automatically updated after connection.

Programming periods (EVE)

In MENU, press ∇ **or** $\triangle$ to select EVE. The standard program can be adjusted on the thermostat via ∇ **or** $\triangle$ Each choice can be confirmed with ☐.

- First choose the day via ∇ **or** $\triangle$ (This can be done per day or as a cluster monday to friday and saturday/sunday separately).
- Then came an adventure.

| Awake | Departure | Return | Sleep |

- The next step is to set the (start or end time).
- Then you can choose the desired temperature. The difference between the desired temperature and the lowering temperature may be approx. 3°C as main heating and max. 5°C as auxiliary heating.

Repeat this until all periods and days have been programmed. If you have a WiFi thermostat, you can do this easily via the App.

Standard program for home use

Home	Start period 1	End period 1	Start period 2	End period 2
Mon - Fri	06:00 20.0°C	08:30 15.0°C	17:00 20.0°C	23:00 15.0°C
Sat - Sun	06:00 20.0°C	08:30 20.0°C	17:00 20.0°C	23:00 15.0°C

Standard program for office use

Office	Start work day	End work day
Mon - Fri	07:00 20.0°C	18:00 15.0°C
Sat - Sun	07:00 20.0°C	18:00 15.0°C

Consumption (READ)

Displays the warm-up time (in percent) within a given period (1.30 or 365 days). In MENU, press ∇ **or** $\triangle$ to select READ.

- Press o to view the previous day's consumption. Press $\triangledown$ **or** $\triangle$ to display the consumption of 1 day, 30 days, or 365 days.

Example:

- The consumption is 20%, and the installed power is 300 watts
    - 20% x 300Watt = 60 Watt consumption per hour.
    - 60W x 24 hours = 1.440 watts of consumption per day.
- Press ☐ to return to the main menu.

Advanced Settings (SET)
LEASE NOTE: Settings in this menu may only be adjusted in consultation with the supplier/installer to prevent unwanted results.
In MENU, press V or A to select SET.

1. Sensor selection
2. Room temp. calibration
3. Floor temperature calibration
4. Floor temperature limit
5. Schedule selection
6. Used for heating or cooling
7. Intelligent function. This function ensures that the requested temperature has already been reached when the period starts.
8. Location: Select Home or Office
9. Reset to factory settings

Each setting can be adjusted via $\triangledown$ **or** $\triangle$ and confirmed with ☐.
Full schedule:

No.	Function	Default setting	Options
1.	Sensor selection	00: Floor sensor	00: Floor sensor 01: Room sensor 03: External room sensor
2.	Room temperature calibration	0.0oC	-5.0oC – 5.0oC
3.	Floor temperature calibration	0.0oC	-5.0oC – 5.0oC
4.		35.0oC	20.0oC – 50.0oC
5.	Schedule	00: 7 days	00: 7 days 01: Mon to Fri + Sat + Sun
6.	Used for	00: Heating	00: Heating 01: Cooling (only for water-based systems)
7.	Intelligent function	00: On	00: On
8.	Location	00: Home	00: Home
9.	Reset	00: No	00: No 01: Reset

Open window detection

- This function only works if the room sensor or the room sensor with floor sensor limit is connected and selected (see point 6).
- This function switches the thermostat off automatically for 15 minutes when it detects a rapid drop in temperature.

Error messages

- E1: Room sensor fault
- E2: Floor sensor fault
- E3: Sensor error, external sensor

FAQ

- **Q: How can I connect the thermostat to Google Assistant or Amazon Alexa?**
    - **A:** Connecting to Google Assistant or Amazon Alexa is explained in the Warmme App. Simply go to your App settings and follow the instructions to link your thermostat with your preferred voice assistant.

Documents / Resources

[Klima C16WiFi Basic WiFi Thermostat For Electric Floor Heating](#) [pdf] User Guide
C16WiFi Basic WiFi Thermostat For Electric Floor Heating, C16WiFi, Basic WiFi Thermostat For Electric Floor Heating, WiFi Thermostat For Electric Floor Heating, Electric Floor Heating, Floor HeatingHeating

References

- **[User Manual](#)**