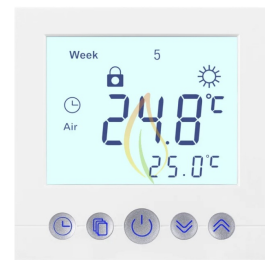


WEINMANN
C16 WiFi Built in Digital
Room Thermostat



WEINMANN C16 WiFi Built in Digital Room Thermostat Instruction Manual

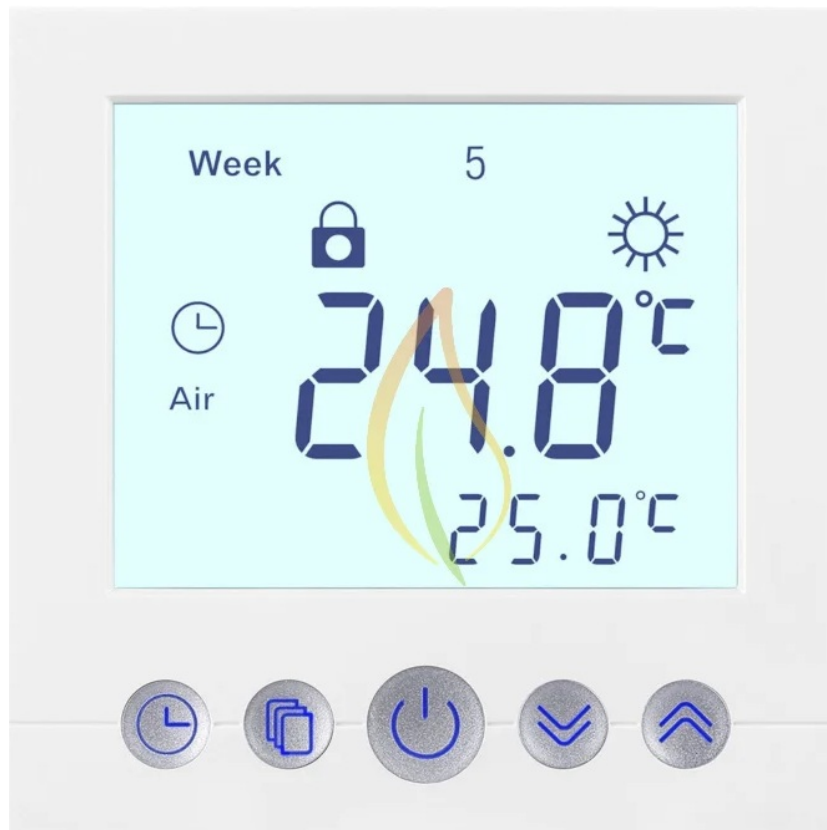
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WEINMANN C16 WiFi Built-in Digital Room Thermostat



Specifications

- Voltage: 86-51V
- Max. load: 11- 9A
- Standby voltage: 26V
- Temperature range: 86-52°C
- Housing: Standard DIN formats
- Standard colour: 59
- Sensor: Display, Touch-sensitive keys
- Warranty: Manufacturer approval

Product Usage Instructions

Assembly

1. Connect the thermostat according to the connection diagram provided.
2. Put the frame on it and click the display back into place.

Startup Menu

- The startup menu will be updated automatically after connection.
- Options available in the menu include Clock (CLK), Current temperature, Heating Percentage, Current period (Smart Mode), Key lock, Frost protection mode, and Manual mode.

Wiring Diagram

Keep the maximum load around 90% of the 16A to extend the service life. Follow the wiring diagram provided in

the manual for proper installation.

WiFi Connection (C16 WiFi version only)

1. Download the App via the QR code or by searching for Warmme in the App Store or Google Play store.
2. Create or log in with an existing account in the App.
3. Simultaneously press Up and Down on the thermostat.
4. Click on Add device in the App after connecting to the thermostat.
5. Click Done after the connection is complete.

Function and Operation

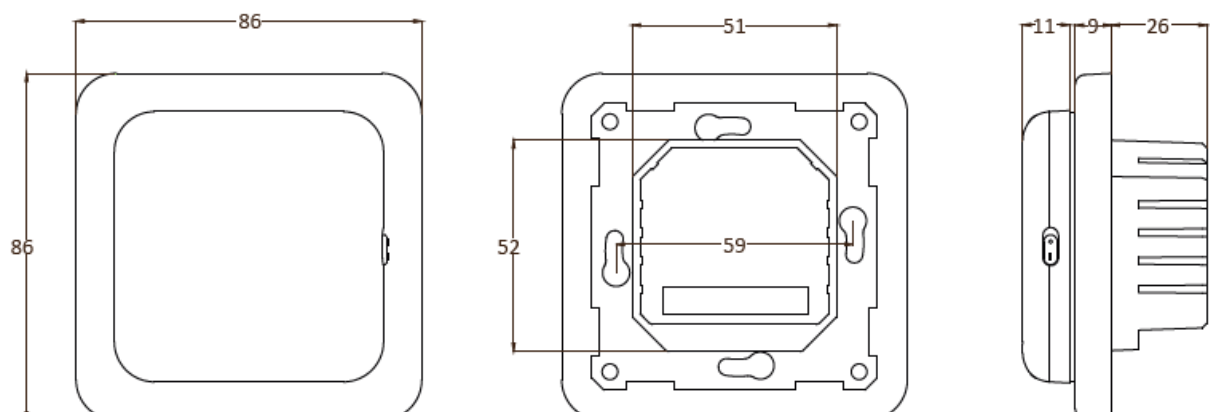
- **Temporary Temperature:** Press Up or Down on the main screen to set a temporary temperature until the next heating period.
- **Modes:** Press Set up on the main screen to select Smart mode or Manual mode.

Introduction

Study this manual carefully and keep it with the warranty documents. Connection must be carried regulations. Before mounting or dismounting in the meter cupboard. This thermostat can be deeply standard DIN formats. These regulations describe the C16 Basic and the C16 WiFi version.

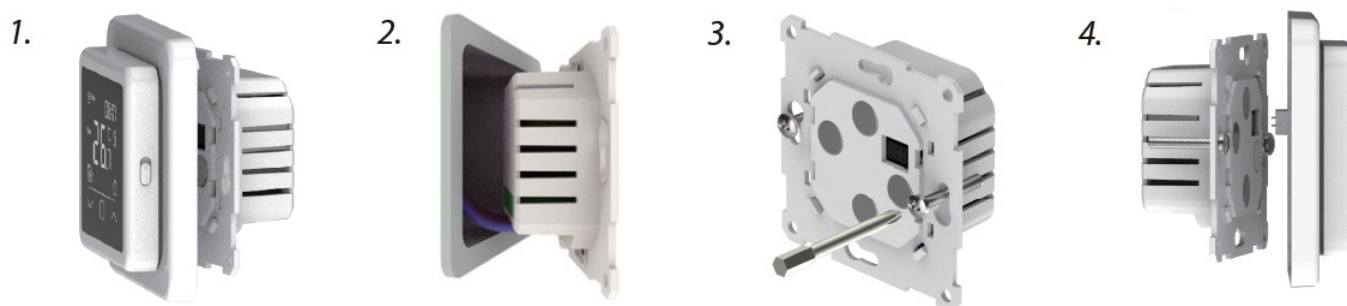
Technical specification

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



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.

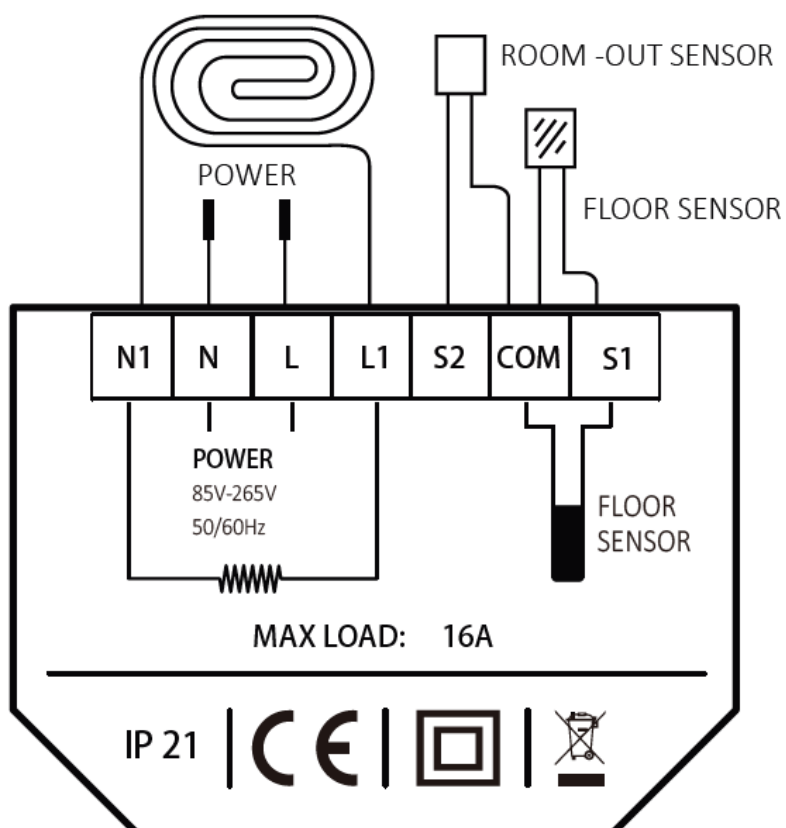


Wiring diagram

Connection must be carried out by a qualified fitter in by local regulations. Before mounting or dismantling 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

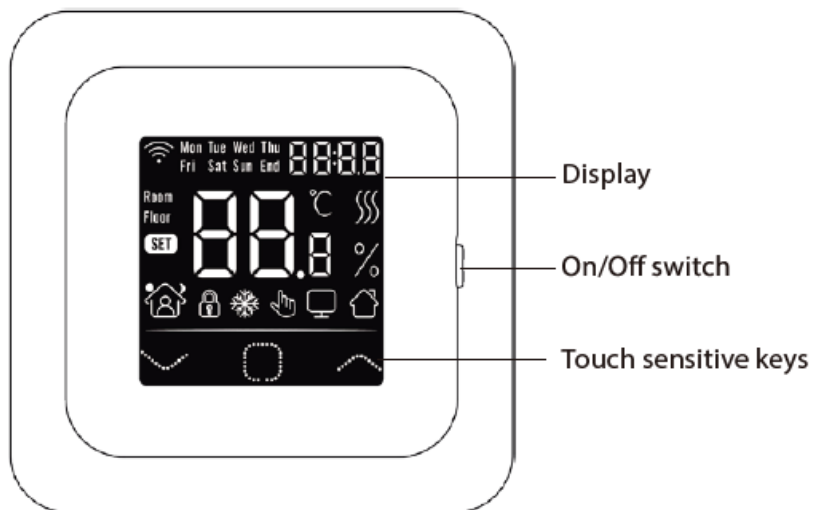
Connect the earth of the heating cable and the earth of the power supply outside the thermostat using the supplied terminal block.






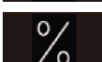












Order

L1 or N1 does not apply.

Explanation of symbols

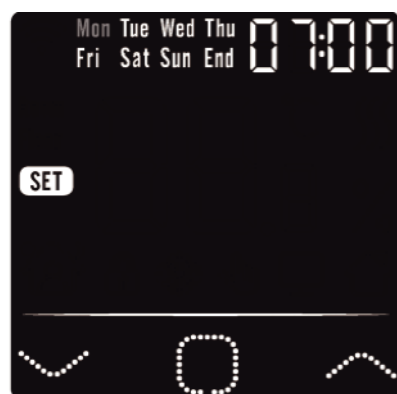
When the thermostat is connected, turn the on/off switch down to turn the thermostat on. The thermostat is operated using the 3 touch-sensitive buttons on the bottom of the screen and has a series of fixed symbols in the display.



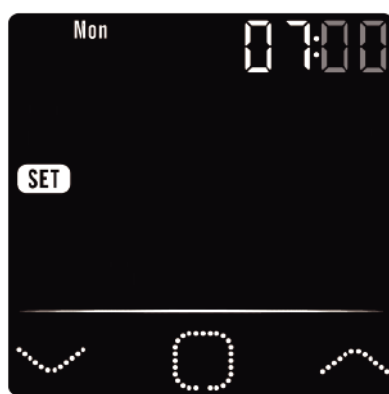
	Confirm (touch-sensitive key)		Current temperature
	Down (touch-sensitive key)		Heating
	Up (touch-sensitive key)		Percentage
	WiFi indicator		Current period (Smart Mode)
	Hello		Key lock
	Clock		Frost protection mode
	Room temperature		Manual mode
	Floor temperature		Office
	Set up		House

Startup menu

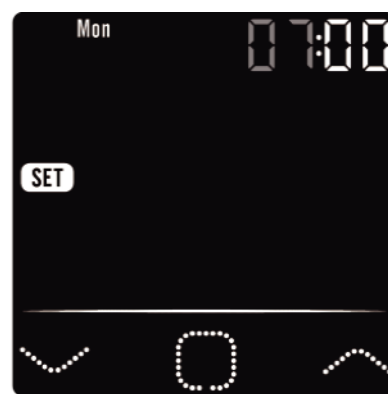
At the first startup, the following settings need to be entered. With the WiFi version it will be updated automatically after connection.



Choose Day

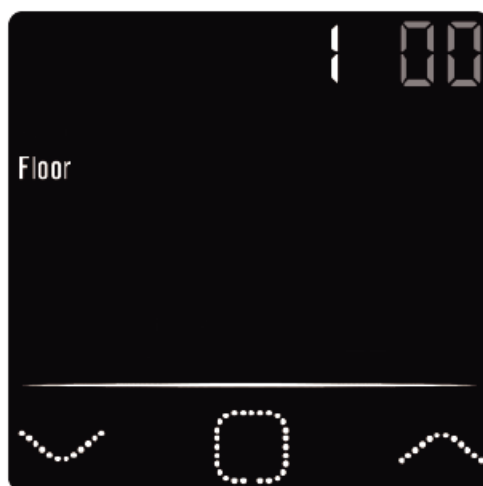


Choose Hour



Choose Minutes

Sensor selection



1. Floor sensor
2. Room sensor

3. Room sensor with a floor sensor limit
4. External room sensor
5. External room sensor with a 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 (C16 WiFi version only)





1. Download the App via the QR code or by searching for “Warmme” in the App Store or Google Play store.
2. Start the App and create or log in with an existing account.
3. On thermostat: Simultaneously press  and  hold for 5 seconds and check if the WiFi symbol on the thermostat is flashing.
4. Click on “Add device” at the bottom of the screen.
5. Fill in the WiFi network password on the smartphone and click “Confirm”.
6. Click “Done” after the App has connected to the thermostat and the connection is complete.
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  or  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 based on the set heating schedule to save energy.





Manual mode: The Thermostat operates based on 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  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  or  With the WiFi version it is automatically updated after connection.

Programming periods (EVE)

In MENU, press or select EVE. The standard program can be adjusted on the thermostat via   each, which can be confirmed with.

- First, choose the day via  or  (This can be done per day or as a cluster, Monday to Friday, and Saturday/Sunday separately).
- Then choose an event:



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  to select READ.

Press o to view the previous day's consumption. Press  or  to display the consumption of 1 day, 30 days, or 365 days.

Example



The consumption is 20%, and the installed power is 300 watts

- $20\% \times 300\text{Watt} = 60\text{ Watt}$ consumption per hour.
- $60\text{W} \times 24\text{ hours} = 1.440\text{watts}$ of consumption per day.
- Press  to return to the main menu.

Advanced Settings (SET)

PLEASE NOTE

Settings in this menu may only be adjusted in consultation with the supplier/installer to prevent unwanted results.

In MENU, press  or  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  or  and confirmed with  O.

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 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

FAQs

Q: How do I connect the external room sensor?

A: Connect the external room sensor following the instructions provided in the manual. Make sure to select the correct sensor option from the menu during installation.

Q: Can I control multiple thermostats with the App?

A: Yes, you can use the App to control multiple thermostats and give access to other family members for temperature adjustments.

Documents / Resources

	<p>WEINMANN C16 WiFi Built in Digital Room Thermostat [pdf] Instruction Manual C16WiFi, Basic, C16 WiFi Built in Digital Room Thermostat, Built in Digital Room Thermostat, Digital Room Thermostat, Room Thermostat, Thermostat</p>
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References

- [User Manual](#)

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