Smart control – efficient heating

Our programmable DE wireless thermostat series fulfils all the requirements for the operation of your electric heating system in compliance with the Ecodesign Directive.

The DE series stands out for its ease of installation and being extremely easy to use. Costly renovation work for laying cables are avoided, thus saving time and money. The thermostat features weekly and daily programs.

In addition, five operational modes are available (comfort temperature, night reduction, party function, frost protection, and an off switch).

In conjunction with the DE0002O router and the accompanying app control system or the DE0002O1 opening detector, additional components can easily be integrated, thereby reducing your operating costs.

Accessories & Special Applications

Comfort:

- Up to 10 years battery life with normal use
- Quick and simple control using the central dial
- Option: Smartphone & tablet control
- Weekly, frost protection and party programs
- Programming interval in 30-minute increments
- Fully automatic summer/winter time adjustment
- Power consumption display (kWh) for the assigned heaters
- Fixed wall mounting or as a standalone model using the supplied base attachment
- Memory function when replacing batteries

Wireless thermostat

Technical Data:

Wireless transmission:	Bidirectional
Protocol:	X3D
Frequency:	868 MHz
Temperature setting range:	+5 °C... +30 °C
Operating temperatures:	+0 °C... +40 °C
IP rating:	IP30
Colour:	White, similar to RAL 9010
App control:	Yes

DE00000

DE00001

Article number	Size (cm)	Model	Programmable	Display colours	Battery lifetime
DE00000	13.5 x 8.1 x 2.2	Wireless thermostat premium	yes	green, orange, red	8-10 years
DE00001	8.1 x 8.1 x 2.2	Wireless thermostat basic	no	blue	8-10 years

Wireless receiver

Technical Data:

|	
Wireless transmission:	Bidirectional
Protocol:	X3D
Frequency:	868 MHz
Range:	Up to 300 m in unobstructed terrain
Standby consumption:	approx. 0.45 W
Power supply:	1/N/PE 230 V
Colour:	White, similar to RAL 9010
App control:	Yes

DE00010   DE00011   DE00012

Article number	Model	Format (cm)	Switching capacity (A)	Connection type
DE00010	Surface-mounted receiver	12.0 x 5.4 x 2.5	16	Terminal strip
DE00011	Plug socket receiver	14.0 x 7.2 x 7.3	16	Plug-in terminal
DE00012	Flush-mounted receiver	5.0 x 4.7 x 3.3	10	Terminal strip
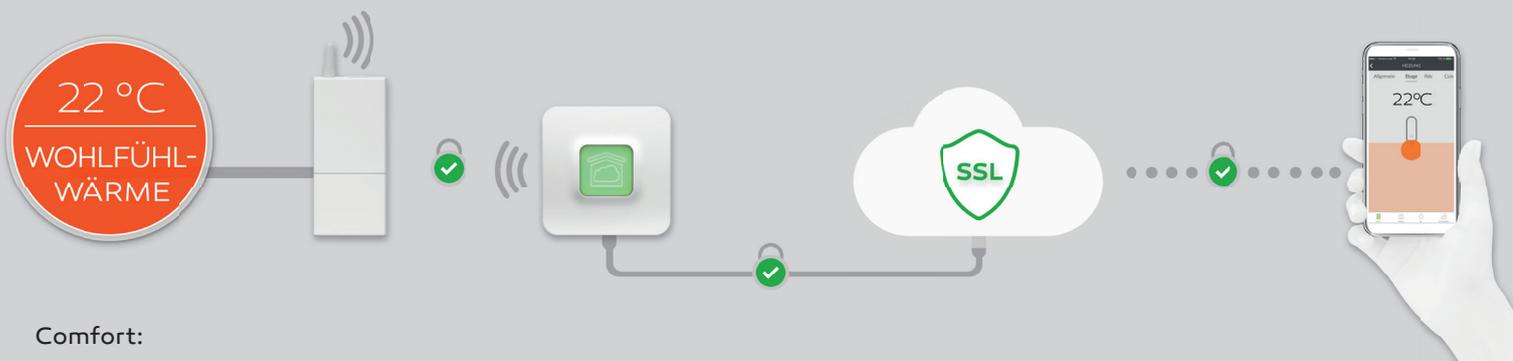
Comfort:

- The model DE router enables local or remote control of the heating system, roller blinds, lighting, alarm system and other devices using a smartphone or tablet.
- Adjust the temperature of the living areas
- Create scenarios to simplify everyday life (e.g.: I leave home: set the heater to reduced night-time mode)
- Detailed consumption display (electricity)
- Personalised design of the library, icons and interior photos

- Overview of the current room temperatures
- Manage of up to 10 locations (apartments, second homes, businesses etc.)

Router

Technical Data:

Wireless transmission:	Bidirectional
Protocol:	X3D
LAN port:	Yes
Range:	Up to 300 m in unobstructed terrain
Operating temperatures:	+0 °C... +40 °C
IP rating:	IP30
Power supply:	1/N/PE 230 V
Colour:	White, similar to RAL 9010
App control:	Yes

Article number	Model	Format (cm)
DE00020	Router model DE	10.0 x 10.0 x 3.0

Sensors and actuators

DE00021

DE00022

DE00030 / DE00031
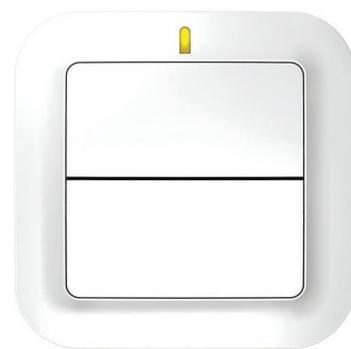
DE00040

Article number	Model	Format (cm)
DE00021	Opening detector	10.0 x 10.0 x 3.0
DE00022	Floor sensor for underfloor heating	3.8 x 0.6
DE00030	Wireless receiver for lighting with dimmer function	4.1 x 4.1 x 1.5
DE00031	Wireless receiver for lighting, ON/OFF	4.1 x 4.1 x 1.5
DE00040	Wireless light switch	8.0 x 8.0 x 1.1

Notes

welltherm®

WT-PI-ZB11/2021 EN