



LIVE LIFE SMARTER

Connected Home



Connected Home is an easy to integrate, combine and install home ecosystem. Its future-proof technology reduces costs, provides energy savings and requires very little customer support.

Technology with purpose

Our Connected Home ecosystem combines comfort with energy savings. The ecosystem is based on Zigbee 3.0, making it versatile, and easy to integrate and install. Installation is done wirelessly through hub pairing in just a few seconds and it allows for up to 40 IoT devices per hub. For comfort and convenience, everything is controlled at the touch of a button through our sleek, user-friendly app.

[siemens.com/connectedhome](https://www.siemens.com/connectedhome)

Highlights

- Zigbee 3.0 for reliable and secure communication
 - Wireless installation saves time and effort
 - Fast hub pairing within three clicks
 - Connects up to 40 devices
 - Keeps working even if internet connection drops
 - Full flexibility with separate heating controls for each room
 - Optimized energy consumption saves energy and money
 - Smartphone app enables a simple and customizable home automation
 - New window contact for energy savings and burglary protection
 - New smart plug connects conventional electrical appliances to Connected Home
 - New presence sensor for detection of slightest movements
 - New water sensor alerts you within seconds of detecting a leak and therefore helps to prevent water damage in your home
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All information at a glance – Product features

Technical Data

Features and functions

Thermostat



- Battery type: 2x AA (included)
- Battery lifetime: up to 1 year
- Wired and wireless version
- 1x on/off voltage free relay
- Relay switch capacity: max. 5 (2) A
- Wall mount or free standing with table stand
- Zigbee 3.0 communication protocol

- Room temperature control with either TPI or 2-position
- User interface to change setpoint and mode
- Limitation of the minimum/maximum setpoint setting
- Open window detection
- Valve exercising to prevent seizing
- Frost protection
- Remote firmware update

Radiator actuator



- Battery type: 2x AA (included)
- Battery lifetime: up to two years
- Fits to M30 x 1.5 valves
- RA, RAV, RAW adapters (included)
- Zigbee 3.0 communication protocol

- Auto adaption to valve
- Local temperature control loop
- User interface to change set point
- Window open function
- Boost mode
- Easy pairing
- Child safety lock

Receiver



- AC 230 V mains powered
- 2x on/off voltage free relays
- Relay switch capacity: max. 8 (2) A
- Wall mounting plate
- Zigbee 3.0 communication protocol

- Boiler and domestic hot water control
- Zigbee network repeater
- Remote firmware update
- Domestic hot water scheduling
- Boiler release based on heat demand from individual zones
- Easy pairing
- Manual overwrite of relay output

Hub



- AC 230 V mains powered (via adapter)
- On desk device design
- LED status indicator
- Ethernet and WLAN internet access
- Zigbee 3.0 communication protocol

- Up to 32 battery powered devices
- Up to 40 devices in total
- Remote firmware update
- Restart and binding button
- Compact design
- Easy pairing
- No internet continuous operation

Smartphone app



- Compatible with iOS and Android
- Compatible with major phone brands
- Continuous updates and improvements
- High contrast design
- Available in multiple languages

- Room scheduling
- Individual room control (zoning)
- Temperature history
- Scene and automation
- Messaging and push notifications
- Multi-user and multi-home control
- Room picture customization

Selection and order data

Product name	Article type	Order no.
Hub	GTW100ZB	S55772-T109
Receiver	RCR110.2ZB	S55772-T110
Radiator actuator	SSA911.02ZB	S55181-A105
Thermostat wired	RDZ100ZB	S55772-T113
Thermostat wireless	RDZ101ZB	S55772-T114

All information at a glance – Product features

Technical Data

Features and functions

Motion detector



- Battery type: 2x AAA (included)
- Battery lifetime: up to 2 years
- Wall mounting plate
- Installation height: 2.1 m
- Detection angle: 90°
- Detection range: 14 m x 10 m
- Zigbee 3.0 communication protocol

- Presence detection
- Trigger device for automated action
- App notifications
- History of previous detections
- Remote firmware update
- Easy pairing
- LED behavior customization
- Zigbee signal strength indication

Window contact



- Battery type: 2x AAA (included)
- Battery lifetime: up to 2 years
- 2 wall mounting plates included
- Digital magnet sensor
- Zigbee 3.0 communication protocol

- Open/close detection
- Trigger device for automated action
- App notifications
- History of previous detections
- Remote firmware update
- Easy pairing
- LED behavior customization
- Zigbee signal strength indication

Smart plug



- AC 230 V mains powered
- Compatible EU plug type E/F
- Max. load: 3680 W
- Max. load: 16 A
- Zigbee 3.0 communication protocol

- Turn on/off via app or physical button
- Turn on/off via automated action
- App notifications
- Schedule function
- Repeater of Zigbee network
- History of previous on/off actions
- Remote firmware update
- Easy pairing
- Zigbee signal strength indication

Water leak detector



- Battery type: 1x CR2032 (included)
- Battery lifetime: up to 2 years
- Sensing probe
- Alarm level: >60 dBA @ 0.3 m
- Zigbee 3.0 communication protocol

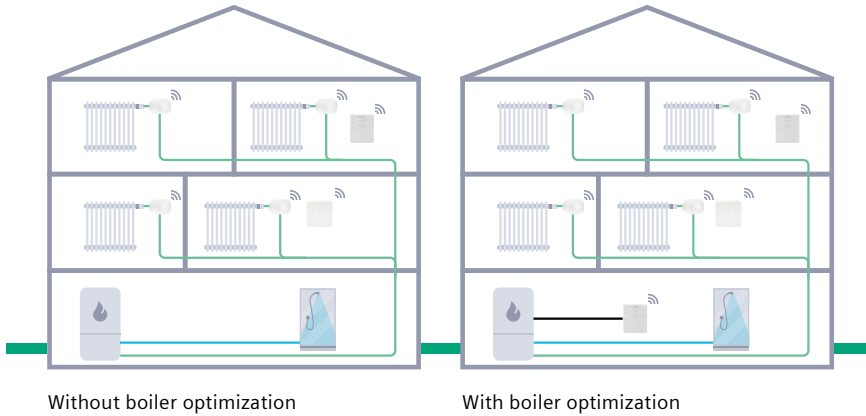
- Acoustic alarm when water detected
- Trigger device for automated action
- App notification
- History of previous detections
- Remote firmware update
- Easy pairing
- Zigbee signal strength indication

Selection and order data

Product name	Article type	Order no.
Motion detector	SCH010ZB	S55772-T115
Window contact	SCH020ZB	S55772-T116
Smart plug	SCH030ZB	S55772-T117
Water leak detector	SCH040ZB	S55772-T118

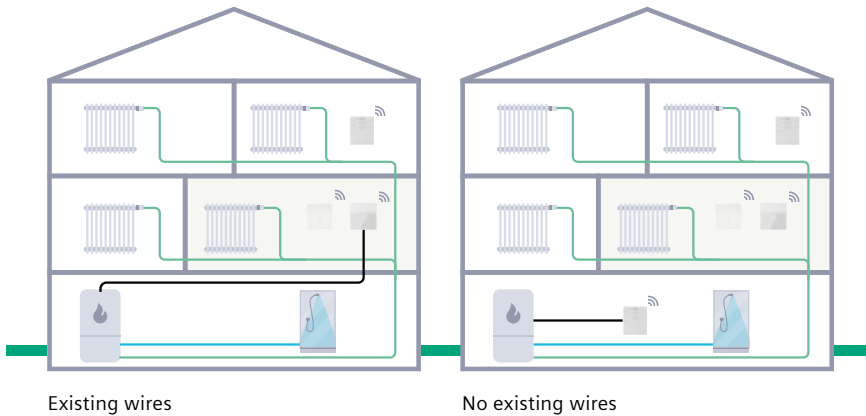
Heating application

Use cases



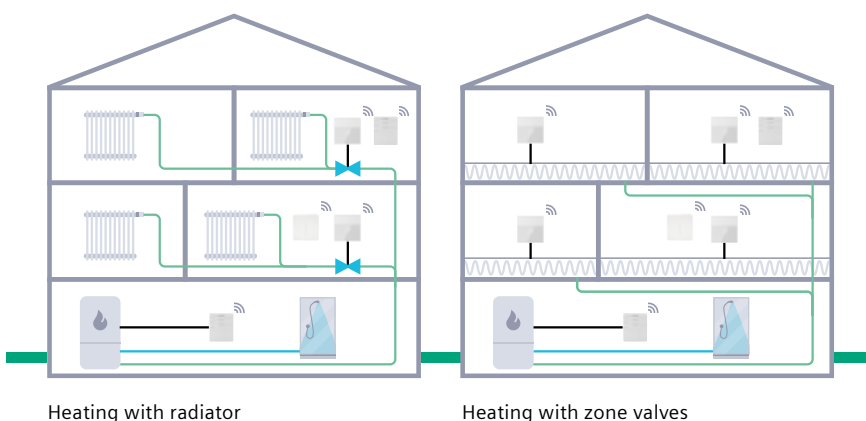
Use case 1 – Radiator control with and without boiler optimization

- Works for single family houses as well as apartments in buildings with no access to a central boiler
- Perfect for holiday houses and apartments
- Add extra repeaters if the house is big or multi floors
- Ideal for retrofit at low cost
- Use radiator actuators for schedule and individual room control



Use case 2 – Radiators with single thermostat controlling the boiler

- Works for single family houses as well as apartments with boiler access
- Perfect for upgrading existing old thermostat
- Add extra repeaters if the house is big or multi floors
- Ideal to add to a house with no thermostat
- Use thermostat to get temperature for reference room



Use case 3 – Radiator or underfloor heating with zone valves

- Works for single family houses as well as apartments with boiler access
- Add extra repeaters if the house is big or multi floors
- Ideal for homes with zone valves (1 per floor or 1 per room)
- Use thermostat to get temperature in each zone or room

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The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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