

SIEMENS

Ingenuity for life



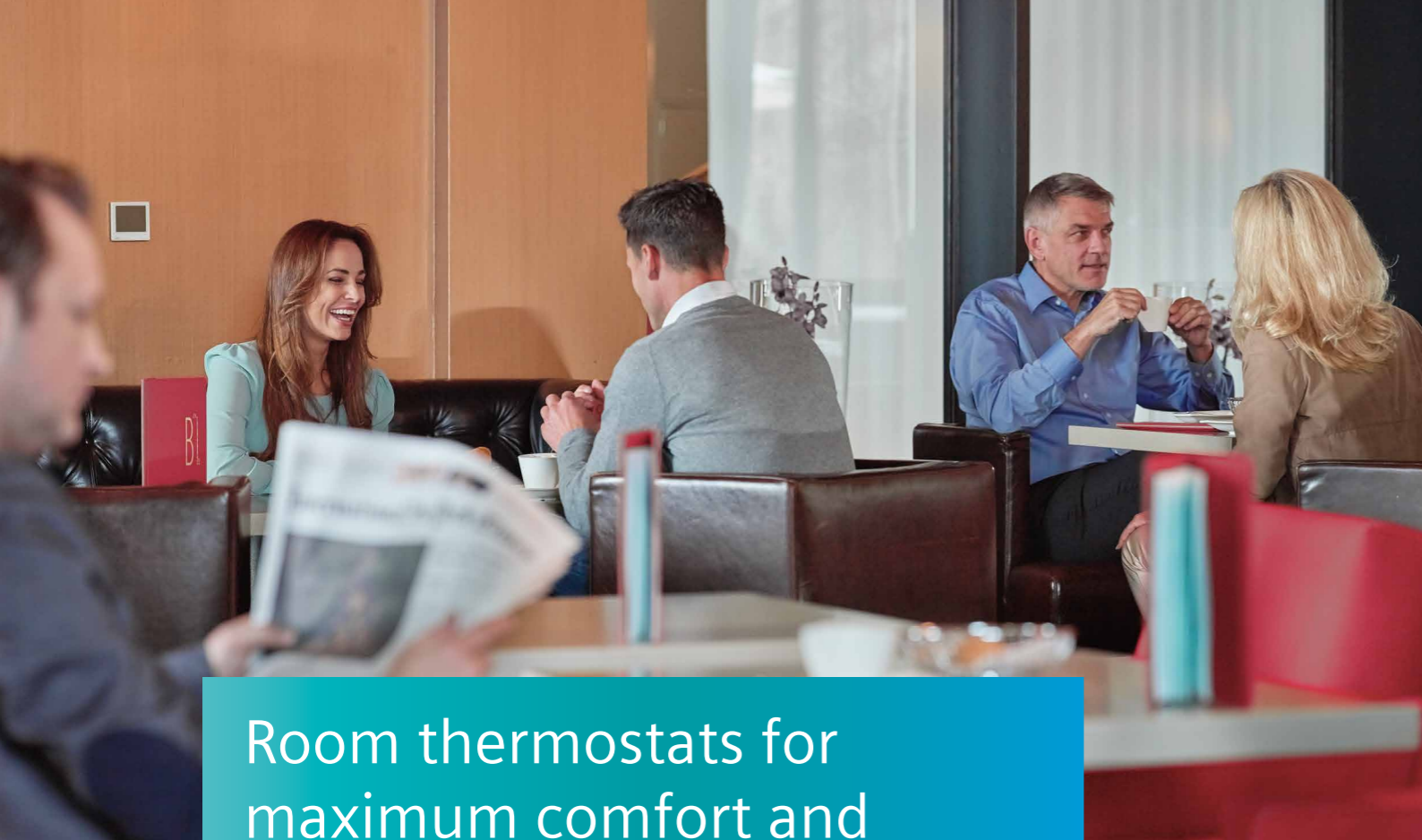
The worldwide
standard for
home and
building control



Save energy while maintaining a constant room climate

Room thermostats that maximize control
accuracy for heating, ventilation and air
conditioning (HVAC) applications.

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Room thermostats for maximum comfort and energy efficiency

Siemens has a complete thermostat portfolio, ranging from simple mechanical and digital room thermostats for basic room climate control to advanced KNX communicating thermostats for integration into building automation systems. The thermostat portfolio is enhanced with a Smart Thermostat for heating applications.

Special emphasis is placed on fast installation, intuitive operation and accurate control. The stand-alone room thermostats cover all room HVAC applications: heating and/or cooling, fan coils and variable air volume.

The KNX communicating thermostats offer powerful yet cost-effective room automation. These communicating thermostats are offered for stand-alone room climate control and for more sophisticated room automation in projects with Siemens' Desigo controllers.

The option to integrate Siemens' thermostats into building management systems – Desigo™ CC, Desigo Control Point or Synco IC – enables remote operation and service.

Smart Thermostat

It's the unique combination of benefits for both professional installers and end customers that makes the Siemens Smart Thermostat so different.

Easy and intuitive
The display has been reduced to the essentials for the easiest possible use; and an intuitive mobile app allows control and monitoring from anywhere, anytime.

Built-in sensors
Six built-in sensors detect temperature, presence or absence, humidity and hazardous gases. Another sensor adjusts the display based on ambient light.

It's also possible to connect external sensors to measure outside temperature, humidity and window contact.

Autonomous control
For the best climate possible, the Smart Thermostat learns and uses the thermal behavior of the room. The patented self-learning algorithm ensures the best temperature control, and Optimum Start Control defines the ideal moment to start heating. These unique functions save energy and maintain comfort with minimal user intervention.

Proven green technology
The Smart Thermostat satisfies high energy-efficiency standards, and the special Green Leaf feature saves even more energy.

Easy commissioning
To minimize effort, the Smart Thermostat can be installed during construction with no Internet connection required. The final commissioning steps are performed by the residents after they move in.

Automatic firmware updates ensure that the latest features are always available.

[siemens.com/smart-thermostat](https://www.siemens.com/smart-thermostat)

Highlights

- No Internet connection required for installation
- Navigation wizard for fast commissioning
- Easy and highly intuitive user interface
- Satisfies high energy-efficiency standards
- Always up-to-date with free software upgrades



Applications at a glance



Energy-efficient room temperature control

For typical applications with radiators and underfloor heating systems, Siemens offers room thermostats with optimized PID control and self-learning programs. In addition, special variants support applications for domestic hot water and electrical heating systems – with control of up to 16 A. Multifunctional inputs allow activation of functions like dew point monitoring, window contact and remote changeover, if desired. Variants with a KNX communication interface make it possible to control the primary system with even greater energy efficiency. Configurable time programs (day/week/vacation) prevent unnecessary energy consumption when rooms are not in use. The Smart Thermostat RDS110 features a sophisticated bundle of smart features. Quickly and easily installed even with no Internet connection, the thermostat can be intuitively controlled on the go using a remote app. Built-in sensors, a Green Leaf function, and a higher energy-efficiency class also increase your building's value and decrease energy costs.



Fan coil systems

Fan coil systems are especially appropriate for individual room control in hotels and offices. The wall- or flush-mounted room thermostats control 2/4-pipe fan coil applications directly, even with add-on functions like electrical heating or underfloor heating. Thanks to configurable parameters, the room thermostats can also control different types of drives (On/Off, PWM, 3-point and DC) and fans (1/3-step and DC signals). Integrated functions like time programs, presence detectors and supply-air temperature limitation automatically optimize energy demand – without sacrificing room comfort. Thanks to their energy efficiency applications, RDG room thermostats with KNX communication interfaces meet efficiency class AA according to eu.bac.



Heat pump

From manual operation to automatic control, room thermostats for heat pump applications address the heat pump directly; in other words, they can control and release the pump according to the desired room temperature. This prevents overheating from sun exposure or energy from an external source. In applications with reversing valves, the room thermostats control compressors in heating or cooling mode with automatic or manual changeover. The configurable parameter for the minimum on and off times prevents damage to the compressor that would result in a shorter service life.

When building technology creates perfect places –
that's Ingenuity for life.

Never too cold. Never too warm.
Always safe. Always secure.

With our knowledge and technology, our products,
our solutions and our services, we turn places into
perfect places.

We create perfect places for their users' needs –
for every stage of life.

#CreatingPerfectPlaces
[siemens.com/perfect-places](https://www.siemens.com/perfect-places)

Published by
Siemens Switzerland Ltd 2019

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(Status 05/2019)

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