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Smart Infrastructure intelligently connects energy systems, buildings and industries, enhancing the way we live and work to significantly improve efficiency and sustainability.

We work together with customers and partners to create an ecosystem that both intuitively responds to the needs of people and helps customers achieve their business goals.

It helps our customers to thrive, communities to progress and supports sustainable development to protect our planet for the next generation.

Creating environments that care.
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WIDE VARIETY AND HIGH ENERGY EFFICIENCY

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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With Siemens room thermostats you have the room in your hands.

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.

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 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 Optic or Synco IC – enables remote operation and service.

RDG200 thermostat range

RDG200 thermostat range is communicating wall mounted room thermostats with built-in temperature and humidity sensors, configurable multiple inputs/outputs, and flexible power supply. The RDG200 has been designed for commercial buildings such as hotels, offices, educational buildings, and public places.

One touch Green-Leaf function for highest energy efficiency and comfort

As an all in one device, the RDG200 is the best companion for highest energy efficiency and optimum comfort in the room. It provides energy-saving strategies such as occupancy-based savings via presence detection, efficient use of sunlight and at the same time, it takes care of a healthy and productive indoor climate.

The RDG200 offers room occupants the possibility to put energy efficiency in their hands: Tapping the Green-Leaf button returns room control to energy-optimized operation without loss of comfort.

Modern and slim design

With its slim design it fits in all type of interiors and its easy to clean. Additionally, it is easy to install with the separate mounting plate.

A large screen, understandable icons and a customizable interface fits everyone's need.

Versatile control application coverage

Covers most room HVAC applications:

- Fan Coil (radiator, floor heating, electric heater)
- Universal (chilled/heated ceiling)
- Heat pump (heating/cooling)

Extensive features

- Built-in temperature and humidity sensor for controlling and monitoring your room
- Large choice of output control: On/Off, 3 positions, DC 0...10 V
- Supports KNX protocol, suitable for Synco and Desigo

Highlights

- Fast commissioning
- Modern and slim design
- Preloaded applications
- Standalone and system integrated
- Wide applications and versatile outputs



Very fast commissioning with the free PCT Go application

Installation and commissioning can be done within minutes thanks to the easy to wire mounting plate and several commissioning options like system tools, DIP switches and the smartphone PCT Go app. Based on near-field communication technology (NFC), the PCT Go app provides copy-paste functions from several devices, import and export settings via email or messaging apps and setting-up the devices unpowered while still in the packaging.

System integration into Desigo, Synco and KNX

The RDG200 thermostat is the ideal solution for cost-competitive projects: it complements Desigo room automation in a scalable offering and can be easily integrated into Desigo, Synco and KNX.

Dedicated features for the commercial buildings

With all its preloaded applications and variety of functions, the RDG200 has a wide range of dedicated features for hotels, office buildings, educational buildings, and public buildings. For example in hotels, the RDG200 can greatly improve the guest experience thanks to its simple, intuitive one-touch operation and universal language with only icons.

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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 (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. The RDG200 is a thermostat with a wide range of applications. Quickly and easy commissioned with NFC technology, the thermostat offers a great solution for all types of interiors. Built-in sensors, a Green Leaf function, and a higher energy-efficiency class also increases your building's value and decreases energy costs.

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.

