

**SIEMENS**



# Room thermostats – for energy-efficient temperature control

Broad portfolio of room thermostats for heating, ventilation, and cooling applications

Answers for infrastructure.



## Room thermostats – choosing from a wide variety

With the comprehensive portfolio of room thermostats from Siemens, you can satisfy all customer requirements. From fan coils, variable air volume systems, chilled ceilings to radiators and heat pumps, the product range includes perfectly matched room thermostats for every application. Time programs enable individual rooms to be heated or cooled at predefined times and preset temperatures. This means that energy isn't wasted in rooms that are not in use. All thermostats are easy to install and to adjust. Help your customers enjoy a comfortable room climate – while saving energy, lowering costs, and reducing CO<sub>2</sub> emissions.

## Everything needed for efficient temperature control

### Satisfying every need – with one product portfolio

With room thermostats from Siemens, you are optimally prepared to meet any requirements. The extensive product portfolio comprises simple as well as complex, communicating devices. The thermostats can be either stand-alone or networked with others to create tailored solutions for demanding applications. Your major benefit: You can cover a wide range of different heating, ventilation, and cooling applications while addressing individual customer needs – be it in homes, commercial buildings, hotels, or office buildings.

### Efficient temperature control

Our room thermostats excel in high energy efficiency. Time programs adjust the room temperature to the desired comfort level at predefined times. What's more, the thermostats provide a wide choice of easy-to-set energy saving functions that help reduce energy consumption, like self-learning PID control, setpoint limitation, vacation function, or fan control. They can also be connected to external sensors or contact switches such as window contacts.

All of these functions offer energy savings of up to 30% – a convincing argument for your customers. And the fact that the room thermostats can also be used on applications with renewable energy sources, such as solar collectors and heat pumps, makes them a future-proof choice.

### Enhancing comfort all the way

Easy-to-understand symbols, a backlit display with large lettering as well as large buttons and setting knobs are just a few of the features that ensure straightforward operation. The product range also includes wireless devices that allow remote control.

The room thermostats are easy to install. And thanks to the uniform product concept, you also benefit from fast and simple commissioning. Siemens' patented control technology ensures constant room temperatures.

### Protecting the investment of your customers

The use of high-quality materials, careful manufacturing, and comprehensive quality management ensure that room thermostats from Siemens deliver the highest reliability and a long life. Also, conformance to international norms and standards is guaranteed.

### Relying on an experienced partner

Siemens has been developing room thermostats for more than 70 years. So benefit from our in-depth application know-how and decades of experience.

### Highlights

- Wide range of room thermostats to meet every requirement
- Energy-efficient and cost-saving room temperature control
- Simple operation and high control accuracy for optimal comfort and ease of use
- Fast and easy installation and commissioning
- Investment protection thanks to high-quality products conforming to norms and standards
- Benefit from long-term experience and in-depth know-how of Siemens





A room should only be heated or cooled when used. With room thermostats from Siemens, the room temperature can be easily set to a comfortable level – according to a time program. This saves your customers energy and money.



Our portfolio of room thermostats comprises products for every type of application and every customer need.



## Perfect room temperature at all times

### Intelligent temperature settings

A comfortable room environment means having the right temperature at the right time. This is why room thermostats from Siemens feature settable time programs. They enable users to heat or cool rooms only when needed, which is both cost- and energy-efficient. Also, the time programs offer a choice of settings. If a room is used differently every day, the heating and cooling phases can be set individually for each weekday. If room usage is always the same, the weekday/weekend program is the perfect choice.

### Consistent product concept

Fan coils, variable air volume systems, chilled ceilings, radiators, or heat pumps – Siemens offers the ideal room thermostat for any type of application. All thermostats are based on the same product concept. This means for you: Fast, cost-efficient installation and commissioning. What's more, communicating thermostats can be seamlessly integrated into existing systems via KNX.

### Saving energy and costs

External sensors and switches can be quickly connected to the room thermostats. This ensures significant energy savings for your customers. For example, room thermostats connected to a key card contact automatically lower the temperature to energy-saving mode the moment the user leaves the room. With window contacts, the setpoint is automatically adjusted when someone opens a window. It is also possible to connect manual switches or a telephone modem. And with the help of changeover sensors, some models can be automatically switched from heating to cooling, and vice versa.

### Straightforward and ergonomic operating concept

Room thermostats from Siemens are extremely user-friendly. Intuitive operation is ensured whether the thermostats have a touchscreen, large buttons, or a rotary knob. The menu is always self-explanatory. A large backlit display further facilitates operation.

### Highlights

- Energy and cost savings thanks to time programs, absence function or sensors
- Maximum convenience through individual setting options
- Extensive range of thermostats to meet every requirement
- Fast and cost-efficient installation and commissioning
- Seamless integration into existing systems via KNX
- High level of user friendliness thanks to self-explanatory menu

With our extensive portfolio of room thermostats, you can offer customers an excellent answer for an optimal room climate. All models are easy to use, provide a variety of time setting functions, and come in an elegant design.

### Perfect for heating and/or cooling

For living spaces and work areas, you can offer your customers all types of thermostats for heating and/or cooling. They are ideally suited for switching and controlling hot water, electrical heaters, radiators, floor heating systems, and chilled ceilings in small zones. Whether ergonomic buttons, intuitive touchscreens, or large control knobs – all models are intuitive to operate. They allow users to set the exact room temperatures and times for heating and energy-saving phases. Wireless models provide additional flexibility.

### Ideal for heat pumps

Renewable energy becomes increasingly important. With heat pumps, you can extract energy either from the air, water or ground and supply it to buildings. With our thermostats for use with heat pumps, you can offer your customers a smart solution to save energy and reduce CO<sub>2</sub> emissions.

## Room thermostats for individual comfort

Connection options for external sensors and switches, such as key cards, enhance flexibility and energy efficiency.

### Controlling fan coils

Our thermostats for controlling fan coils are the perfect choice for small zones in commercial buildings, single- or multi-family houses, and hotel rooms. They are highly energy-efficient, user-friendly, and automatically adapt the fan speed. This means for your customers that they can save energy and thus money.

### Constant control for enhanced comfort

Whatever the type of application, our thermostats set the temperature right down to the degree and minute. What's more, thanks to Siemens' patented control technology, a perfectly even temperature is ensured throughout the room or the entire building – so your customers can enjoy the highest possible levels of well-being. And your benefit? You can equip buildings with different heating and cooling systems using the same design throughout, plus standardized operation.

### Highlights

- Heating and/or cooling – offer your customers ideal solutions whatever their needs
- Thermostats for heat pumps – help your customers save energy and reduce CO<sub>2</sub> emissions
- Thermostats for VAV/CAV applications – can be used with external sensors and switches
- Thermostats for fan coils – highly energy-efficient and user-friendly
- Enhanced comfort thanks to constant room temperature

Offer your customers thermostats for heating and/or cooling. ...



... heat pump, ...



... VAV/CAV, ...



... and fan coil applications.











Siemens Switzerland Ltd  
Industry Sector  
Building Technologies Division  
International Headquarters  
Gubelstrasse 22  
6301 Zug  
Switzerland  
Tel +41 41 724 24 24

Siemens Building Technologies  
Industry Sector  
Brunel House  
Sir William Siemens Square, Frimley  
Camberley  
Surrey, GU16 8QD  
United Kingdom  
Tel +44 1276 696000

Siemens Ltd  
Industry Sector  
Building Technologies Division  
22/F, Two Landmark East  
100 How Ming Street, Kwun Tong  
Kowloon, Hong Kong  
Tel +852 2870 7888

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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### Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly

growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

**“We are the preferred partner for energy-efficient, safe, and secure buildings and infrastructure.”**