

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 CO2 emissions.

# Room thermostats for individual comfort

### Covering VAV/CAV applications

With our thermostat portfolio, you are best prepared to meet customer requirements for demanding applications – like switching and controlling variable or constant air volume or ventilation systems. Our VAV/CAV thermostats are of modern design. A button lock ensures that settings cannot be accidentally changed. Remote control provides for convenient operation, for example, from a hotel bed.

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 CO2 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.



Our extensive portfolio of room thermostats covers all possible application areas. This means that you can always offer your customers an ideal solution – whatever their requirements.



## Room thermostats for an optimal climate

### The right thermostat for any requirement

The portfolio of room thermostats covers a comprehensive range of HVAC applications – be it in homes, hotels, offices, or public buildings: From simple electro-mechanical ON/OFF and wireless thermostats to room thermostats with a continuous output signal to advanced touchscreen and efficient OpenTherm models – be it programmable with 24-hour or 7-day programs or non-programmable with or without display – the right product for any budget.

### Covering a host of applications

With room thermostats from Siemens, you can cover a wide variety of applications:

- Fan coils
- Heat pumps
- VAV/CAV
- Domestic hot water
- Floor heating
- Radiators
- Electric heating
- Ventilation systems for heating/cooling
- Chilled ceilings

### Highlights

- Thermostats for heating, ventilation, and cooling applications – meeting all requirements
- Suited for homes, hotels, offices, or public buildings
- Thermostats for every budget and every type of application

	Heating	Cooling	DHW	Heat pumps	VAV*/CAV**	Fan coils
Analog	RAA.., RAV..	RAA..	–	–	–	RAB..
Digital without display	RCU10, RCU20	RCU10, RCU20	–	–	RCU5..	RCC..
Digital with display, no time program	RDD.., RDG.., RDH.., RDU..	RDG.., RDH.., RDU..	RDD..	RDF.., RDG..	RDG.., RDU..	RDF.., RDG..
Digital with display and time program	RDE.., RDG.., RDJ.., REA.., REV..	RDG.., REA.., REV..	RDE..	RDF.., RDG.., RDX	–	RDF.., RDG..

\* VAV = variable air volume, \*\* CAV = constant air volume

## Room thermostats for heating and heat pump applications

	Applications								Functionality												Outputs				Inputs				Power supply	User interfaces								
	Heating only	Cooling only	Heating or cooling	Heating and cooling	2-stage heating	2-stage heating or cooling	Cooling or heating and electric heating	Heating and independent output/DHW	Control algorithm	Semi flush-mounted unit	Automatic heating/cooling changeover	Manual heating/cooling changeover	Floor heating limitation	Dew point monitoring	Infrared remote control	Delay timer	24-hour time program	7-day/weekend program	7-day program	Radio frequency	Modulating (OpenTherm)	ON/OFF	PWM	3-position	Output heating/cooling changeover	Operating mode/Remote contact	heating/cooling changeover sensor	Remote or return air temperature sensor	Power supply	Setpoint knob	Setpoint buttons	Operating mode button (B)/switch (S)	Digital display (LCD), indicator (LED)	Touchscreen operation	Programming knob and slider	Analog clock	Additional operation selector/remarks	
Heating	Touchscreen operation																																					
	REV100	■						PID									■					■				■			battery		■	B	LCD	■	■			
	REV300	■						PI									■		■					■				battery		■	B	LCD	■	■				
	Slide switch operation																																					
	REV13	■						PID									■					■				■			battery		■	B	LCD		■			
	REV13DC	■						PID									■					■				■			battery		■	B	LCD		■			
	REV17	■						PID									■	■				■				■			battery		■	B	LCD		■			
	REV17DC	■						PID									■	■				■				■			battery		■	B	LCD		■			
	REV34	■						PI									■		■						■			battery		■	B	LCD		■				
	REV34DC	■						PI									■		■						■			battery		■	B	LCD		■				
	Analog operation																																					
	RAV11.1	■						PID														■							battery	■		S				■		
	RAV11.7	■						PID														■							battery	■		S				■		
	Rotary knob operation																																					
	REA23/1...	■							PID									■		■			■				■			battery		■	B	LCD		■		
	REA23M/1...	■							PID									■		■		■	■				■			battery		■	B	LCD		■		
	REA23R/ST/1...	■							PID									■		■	■		■						battery		■	B	LCD		■			
	Digital operation, slimline																																					
	RDD10	■							2P								■						■							AC 230 V		■	B	LCD				
	RDD10.1	■							2P								■						■							battery		■	B	LCD				
	RDD10.1DHW	■						■	2P								■						■							battery		■	B	LCD				
	RDD310	■							2P	■													■							AC 230 V		■	B	LCD				
	RDE10	■							2P									■		■			■							AC 230 V		■	S	LCD		■		
	RDE10.1	■							2P									■		■			■							battery		■	S	LCD		■		
	RDE20.1	■							2P									■		■			■						■	battery		■	S	LCD		■		
	RDE10.1DHW	■						■	2P									■		■			■							battery		■	S	LCD		■		
RDE410	■							2P	■								■		■			■							AC 230 V		■	B	LCD		■			
Rotary knob/slide switch operation																																						
RDH10M	■							PID													■	■							battery	■		B	LCD					
RDJ10	■							2P									■					■							battery	■		S	LCD		■			
RDJ10RF/SET	■							2P									■			■		■							battery	■		S	LCD		■			
Heat pumps	RDX33.21			■					2P			■							■			(2)			■					battery		■	B	LCD				Manual CO button, time-prog. buttons
	RDX43.2			■		■	■		2P			■							■			(3)			■				AC 230 V		■	B	LCD				Manual CO button, time-prog. buttons	
	RDG100 line <sup>1)</sup>	■	■	■	■	■	■		2P/PI		■	■	■	■	■				■			(3) <sup>2)</sup>	(2) <sup>2)</sup>	(2) <sup>2)</sup>		■	■	■	AC 230 V	■		B	LCD				Time-prog. buttons	
	RDF300/400 line <sup>3)</sup>	■	■	■	■	■	■		2P/PI	■	■	■		■	■				■			(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	AC 230 V		■	B	LCD				Time-prog. buttons	

(X): X = number of outputs <sup>1)</sup> RDG100 line (fan coil) thermostats are also suited for chilled ceiling and radiator applications. For detailed information, refer to the fan coil overview.  
<sup>2)</sup> Either ON/OFF, 3-position or PWM signal <sup>3)</sup> RDF300/400 line (fan coil) thermostats are also suited for heat pump applications.

Room thermostats for heating and/or cooling and VAV/CAV applications

	Applications										Functionality								Outputs				Inputs				Power supply	User interfaces										
	Heating only	Cooling only	Heating or cooling	Heating and cooling	2-stage heating	2-stage heating or cooling	Cooling or heating and electric heating	Heating and independent output/DHW	Cooling and independent output	Control algorithm	Semi flush-mounted unit	Automatic heating/cooling changeover	Manual heating/cooling changeover	V <sub>min</sub> , V <sub>max</sub> limitation of supply air	Floor heating limitation	Dew point monitoring	24-hour program	7-day program	Radio frequency	Communication interface KNX	ON/OFF	PWM	3-position	DC 0...10 V	Operating mode/Remote contact	Heating/cooling changeover sensor	Remote or return air temperature sensor	External setpoint shift	Power supply	Setpoint knob	Setpoint buttons	Operating mode button (B)/switch (S)	Digital display (LCD), indicator (LED)	Touchscreen operation	Programming knob and slider	Additional operation selector/remarks		
Heating and/or cooling	Basic																																					
	RAA11	■	■							2P												(1)								AC 24...250 V								
	RAA21	■	■							2P												(1)								AC 24...250 V	■							
	RAA200	■	■							2P												(1)								AC 24...250 V	■						Large setting knob	
	RAA31	■	■							2P												(1)								AC 24...250 V	■						ON/OFF switch	
	RAA31.16	■	■							2P												(1)								AC 230 V	■			LED			ON/OFF switch	
	RAA31.26	■	■					■	■	2P												(2)								AC 230 V	■			LED			ON/OFF switch	
	RAA41			■						2P			■									(1)								AC 24...250 V	■						Heat/OFF/cool switch	
	Modern																																					
	RCU10				■	■		■		2P/PI												(2) <sup>1)</sup>	(2) <sup>1)</sup>			■				AC 230 V	■							
	RCU10.1				■	■		■		2P/PI												(2) <sup>1)</sup>	(2) <sup>1)</sup>			■				AC 230 V	■		S					
	RCU15				■	■				2P/PI												(2) <sup>1)</sup>	(2) <sup>1)</sup>			■		■		AC 24 V	■							
	RCU20	■	■	■						PI			■											(1)		■	■			AC 230 V	■							
	Communicating																																					
	RDG100KN <sup>2)</sup>	■	■	■	■	■	■	■		2P/PI			■	■		■	■				■	(3) <sup>1)</sup>	(2) <sup>1)</sup>	(2) <sup>1)</sup>		■	■	■	■ <sup>3)</sup>	AC 230 V	■		B	LCD				
	Touchscreen operation																																					
	REV200	■	■							PID								■	■			■				■				battery			■	B	LCD	■	■	
	REV200RF/SET	■	■							PID								■	■	■		■								battery			■	B	LCD	■	■	
	Slide switch operation																																					
	REV24	■	■							PID								■	■			■				■				battery			■	B	LCD		■	
	REV24DC	■	■							PID								■	■			■				■				battery			■	B	LCD		■	
	REV24RF/SET	■	■							PID								■	■	■		■								battery			■	B	LCD		■	
	REV24RFDC/SET	■	■							PID								■	■	■		■								battery			■	B	LCD		■	
	REV26	■	■							PID								■	■			■								battery			■	S	LCD		■	
	Rotary knob/ slide switch operation																																					
	RDH10	■	■							2P												■								battery	■				LCD			
	RDH10RF/SET	■	■							2P										■		■								battery	■				LCD			
VAV/CAV	Modern																																					
	RCU50	■	■	■						P			■	■ <sup>4)</sup>										(1)	■	■		■ <sup>5)</sup>	AC 24 V	■								
	RCU50.2	■	■	■						P			■											(1)					AC 24 V	■							Heat/OFF/cool switch	
	RLA162	■	■		■	■				PI				■ <sup>4)</sup>										(2)				■ <sup>6)</sup>	AC 24 V	■								
	Advanced																																					
	RDU340	■	■	■	■	■		■		P/PI	■	■	■	■		■						(1)			(1)	■	■	■		AC 24 V		■	B	LCD				
	RDG400	■	■	■	■	■		■		P/PI		■	■	■	■	■	■					(1) <sup>1)</sup>	(1) <sup>1)</sup>	(1) <sup>1)</sup>	(1)	■	■	■		AC 24 V	■			B	LCD			
	Communicating																																					
	RDU341	■	■	■	■	■		■		P/PI	■	■	■	■		■				■		(1)			(1)	■	■	■	■ <sup>3)</sup>	AC 24 V		■	B	LCD				
RDG400KN	■	■	■	■	■		■		P/PI		■	■	■	■	■	■				■	(1) <sup>1)</sup>	(1) <sup>1)</sup>	(1) <sup>1)</sup>	(1)	■	■	■	■ <sup>3)</sup>	AC 24 V	■			B	LCD				

(X): X = number of outputs <sup>1)</sup> Either ON/OFF, 3-position or PWM signal <sup>2)</sup> RDG100 line (fan coil) thermostats are also suited for chilled ceiling and radiator applications. For detailed information, refer to the fan coil overview. <sup>3)</sup> External setpoint shift via KNX  
<sup>4)</sup> Only with V<sub>min</sub> limitation <sup>5)</sup> External setpoint shift by DC 0...10 V input <sup>6)</sup> External setpoint shift by outdoor temperature sensor

Room thermostats for fan coil applications

	Applications									Functionality									Outputs				Inputs				Power supply	User interfaces													
	2-pipe/heating only	2-pipe/cooling only	2-pipe/heating or cooling	2-pipe with electric heater	2-pipe and radiator	4-pipe/cooling and heating	4-pipe with electric heater	2-stage/heating or cooling	Control algorithm	Semi flush-mounted unit	Manual heating/cooling changeover	Automatic heating/cooling changeover	Floor heating limitation	Manual fan speed off / I / II / III	Automatic fan control	Ventilation function	Electronic commutated fan motor <sup>1)</sup>	7-day program	Fan operation enable/disable	Infrared remote control	Light and blind control	Communication interface KNX	ON/OFF	PWM	3-position	DC 0...10 V	Multifunctional inputs	Operating mode changeover contact	Return air temperature sensor	Heating/cooling changeover sensor	Power supply	Setpoint knob	Setpoint buttons	Fan speed switch	Fan speed button	Operating mode button	Display (LCD), indicator (LED)	Backlight	Additional operation selector/remarks		
Basic																																									
RAB11			■						2P		■			■										(1)							AC 24...250 V	■		■						Heat-cool CO switch	
RAB11.1			■						2P		■			■		■								(1)							AC 24...250 V	■		■						Vent-heat-cool switch	
RAB21	■	■	■						2P					■										(1)							AC 24...250 V	■		■							
RAB21.1	■	■	■						2P			■		■		■								(1)							AC 24...250 V	■		■						Heat/cool-vent switch	
RAB31						■			2P		■			■										(2)							AC 24...250 V	■		■						Heat-cool CO switch	
RAB31.1						■			2P		■			■		■								(1)							AC 24...250 V	■		■						Heat-vent-cool CO switch	
RAB91									No					■																	AC 24...250 V			■							
Modern																																									
RCC10	■	■	■						2P			■		■										(1)				■	■	■	AC 230 V	■		■				LED			
RCC10.1	■	■	■						2P			■		■										(1)				■		■	AC 230 V	■		■				LED			
RCC20				■					2P			■		■										(2)				■	■	■	AC 230 V	■		■				LED			
RCC30					■	■			2P			■		■										(2)				■	■		AC 230 V	■		■				LED			
RCC50.1	■	■	■						PI			■		■												(1)		■		■	AC 24 V	■		■				LED			
RCC60.1	■	■	■						PI			■		■												(1)		■		■	AC 230 V	■		■				LED			
Advanced: semi flush-mounted																																									
RDF300	■	■	■	■		■			2P/PI	■	■	■	■	■	■				■					(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	■	AC 230 V		■		■	■	LCD			
RDF300.02	■	■	■	■		■			2P/PI	■	■	■	■	■	■				■					(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	■	AC 230 V		■		■	■	LCD	■		
RDF310.2	■	■	■						2P	■	■			■	■									(1)							AC 230 V		■		■		LCD			Heat-cool button	
RDF310.21	■	■	■						2P	■	■			■	■					■				(1)							AC 230 V		■		■		LCD	■		Heat-cool button	
RDF340	■	■	■	■		■			P/PI	■	■	■	■	■	■				■							(2)	■	■	■	■	AC 24 V		■		■	■	LCD				
RDF400.01	■	■	■	■		■			2P/PI	■	■	■	■	■	■			■	■	■				(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	■	AC 230 V		■		■	■	LCD	■		Time-prog. buttons
RDF410.21	■	■	■						2P	■	■			■	■			■	■	■				(1)							AC 230 V		■		■	■	LCD	■		Heat-cool button, time-prog. buttons	
Advanced: wall-mounted																																									
RDF110	■	■	■						2P			■		■	■					■ <sup>3)</sup>				(1)				■	■ <sup>4)</sup>	■ <sup>4)</sup>	AC 230 V		■		■		LCD				
RDF110.2			■						2P		■			■	■					■ <sup>3)</sup>				(1)							AC 230 V		■		■		LCD			Heat-cool button	
RDF210	■	■	■						2P			■		■	■			■		■ <sup>3)</sup>				(1)				■ <sup>4)</sup>	■ <sup>4)</sup>	AC 230 V		■		■	■	LCD			Time-prog. buttons		
RDF210.2			■						2P		■			■	■			■		■ <sup>3)</sup>				(1)							AC 230 V		■		■	■	LCD			Heat-cool button, time-prog. buttons	
RDG100	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■				■				(3) <sup>2)</sup>	(2) <sup>2)</sup>	(2) <sup>2)</sup>		■	■	■	■	AC 230 V	■			■	■	LCD	■			
RDG100T	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■			■	■	■				(3) <sup>2)</sup>	(2) <sup>2)</sup>	(2) <sup>2)</sup>		■	■	■	■	AC 230 V	■			■	■	LCD	■		Time-prog. buttons
RDG110	■	■	■	■	■	■		■	2P		■	■	■	■	■				■				(2)				■	■	■	■	AC 230 V	■			■	■	LCD	■			
RDG140	■	■	■	■	■	■		■	P/PI		■	■	■	■	■				■							(2)	■	■	■	■	AC 24 V	■			■	■	LCD	■			
RDG160	■	■	■	■	■	■		■	P/PI		■	■	■	■	■		■		■							(2)	■	■	■	■	AC 24 V	■			■	■	LCD	■			
Communicating: semi flush-mounted																																									
RDF301	■	■	■	■		■			2P/PI	■	■	■	■	■	■				■			■	(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	■	AC 230 V		■		■	■	LCD	■			
RDF301.50	■	■	■	■		■			2P/PI	■	■	■	■	■	■				■		■	■	(2) <sup>2)</sup>		(1) <sup>2)</sup>		■	■	■	■	AC 230 V		■		■	■	LCD	■		Light and blind buttons	
Communicating: wall-mounted																																									
RDG100KN	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■				■			■	(3) <sup>2)</sup>	(2) <sup>2)</sup>	(2) <sup>2)</sup>		■	■	■	■	AC 230 V	■			■	■	LCD	■			

(X): X = number of outputs <sup>1)</sup> ECM DC 0...10 V fan control <sup>2)</sup> Either ON/OFF, 3-position or PWM signal <sup>3)</sup> Infrared remote control optional (...x10/IR)  
<sup>4)</sup> Either return air temp. sensor or heating/cooling changeover sensor

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.

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