

**SIEMENS**

# Live **Smarter**

Energy efficient control for your home.

[www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)



More  
warranty  
for you!



5-year warranty applies to all residential controls.

# Introduction

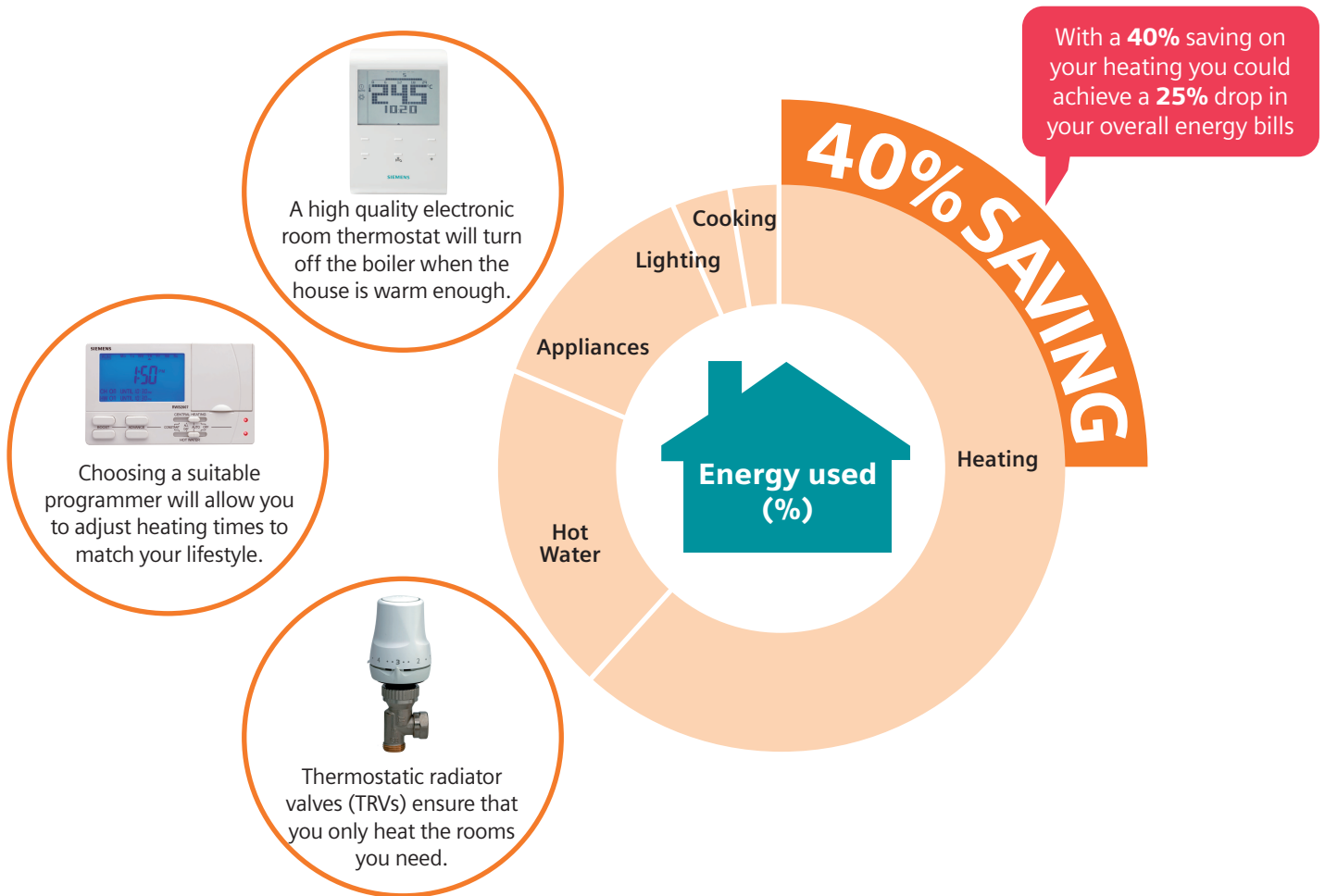
Siemens are one of the World's leading suppliers of products for the safe and efficient control of heating systems in residential installations. Our reputation is second to none, we aim to maintain this reputation through our commitment to design and product quality.

Throughout a 160+ year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry, and infrastructure – globally and locally.

## Adding controls to your heating system can reduce running costs by 40%\*

A properly installed heating control system will maintain suitable temperatures in every room in your home, prevent wasted heat and make sure your boiler runs efficiently.

Heating controls from Siemens are cost effective and readily available. They are also easy to fit and can be installed with minimal disruption.



\*Recent independent tests by the University of Salford comparing a conventional heating system with no controls against the same system with a room thermostat and TRVs added.

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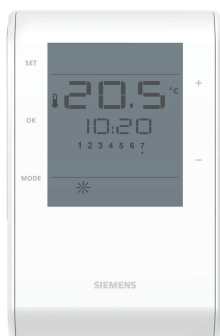
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## Time Controls at-a-glance

FEATURES	RWB27Si	RWB29Si	RWB30E	RWB2E	RWB1007	RWB2007
Menu driven programming	■	■				
Large backlit display	■	■			■	■
Daily programming	■	■	■	■		
Daily, weekday/weekend programming	■	■			■	■
Two or three ON/OFFs per day	■	■			■	■
Two ON/OFFs per day			■	■		
Clock with auto summer/ winter changeover	■	■			■	■
Holiday programming	■	■				
LED 'ON' light	■	■	■	■	■	■
Advance facility	■	■	■	■	■	■
1 hour boost facility			■	■	■	■
Up to 3 hour boost facility	■	■				
Override facility	■	■	■	■	■	■
Service Interval Function	■	■			■	■
Visual service reminder	■	■			■	■
Audible service reminder					■	■
Independent timing for hot water and central heating		■				■
Combination Boilers	■		■		■	
Gravity or fully pumped systems		■		■		■
Direct replacement using industry standard backplate	■	■	■	■	■	■
Battery back up	■	■			■	■
Volt free contacts	■		■		■	

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

**RWB30E Traditional Daily Timer**

- Daily programming
- Advance and 1 hour boost facility
- 2 ON/OFFs per day
- All day option
- Override facility
- LED 'ON' lamp
- Volt free contacts 12-250V
- Industry standard backplate
- Ideal for Combination boilers

Operating voltage: AC230V  $\pm$  10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 90mm x 50mm

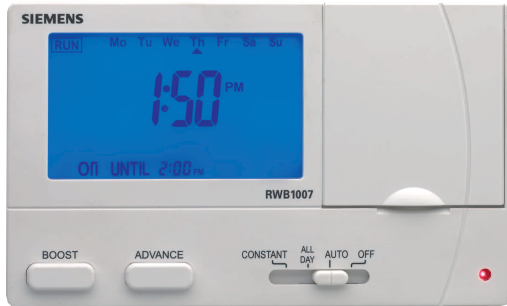
**RWB2E Traditional Daily Programmer**

- Daily programming
- Advance and 1 hour boost facility
- 2 ON/OFFs per day
- All day option
- Override facility
- LED 'ON' lamps
- Volt free contacts 12-250V
- Ideal for gravity or fully pumped systems

Operating voltage: AC230V  $\pm$  10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 90mm x 34mm

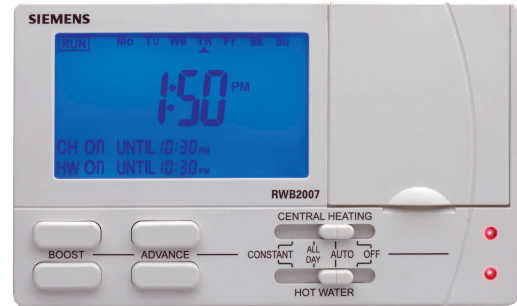
**RWB1007 Timer**

- Easy to read backlit display
- Daily, weekday/weekend or 7 day programming
- Advance and 1 hour boost facility
- 2/3 ON/OFFs per day
- Clock with auto summer/winter changeover
- Clock supplied preset to correct time and date
- LED 'ON' lamp
- Service interval function
- Audio and visual service reminder
- Battery back-up
- Volt free contacts 12-250V
- Industry standard backplate
- Ideal for Combination boilers

Operating voltage: AC230V  $\pm$  10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 85mm x 34mm

**RWB2007 Programmer**

- Easy to read backlit display
- Daily, weekday/weekend or 7 day programming
- Advance and 1 hour boost facility
- 2/3 ON/OFFs per day
- Clock with auto summer/winter changeover
- Clock supplied preset to correct time and date
- LED 'ON' lamps
- Service interval function
- Audio and visual service reminder
- Battery back-up
- Industry standard backplate
- Ideal for gravity or fully pumped systems

Operating voltage: AC230V  $\pm$  10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 85mm x 34mm

## RWB27Si Timer



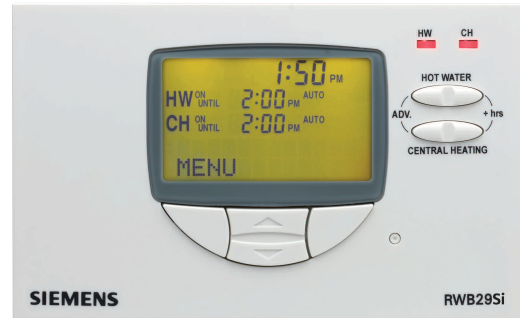
- Menu driven programming
- Easy to read, larger than average backlit display
- Daily, weekday/weekend or 7 day programming
- Advance and up to 3 hour boost facility
- 2/3 ON/OFFs per day
- Holiday programming
- LED 'ON' lamp
- Battery back-up
- Volt free contacts 12-250V
- Industry standard backplate
- Ideal for Combination Boilers
- Service interval function

Operating voltage: AC230V ± 10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 90mm x 34mm

## RWB29Si Programmer



- Menu driven programming
- Easy to read, larger than average backlit display
- Daily, weekday/weekend or 7 day programming
- Advance and up to 3 hour boost facility
- 2/3 ON/OFFs per day
- Holiday programming
- LED 'ON' lamps
- Battery back-up
- Industry standard backplate
- Ideal for gravity or fully pumped systems
- Service interval function

Operating voltage: AC230V ± 10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 90mm x 34mm

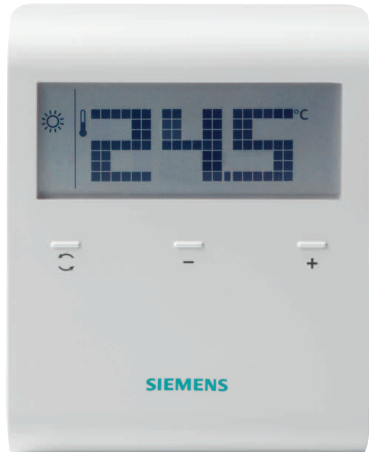


## Room thermostats at-a-glance

FEATURES	RAA21	RAA11	RDD100	RDD100.1	RDH100	RDD50.1
Combination Boilers	■	■	■	■	■	■
TPI control with ON/OFF output					■	
2-position control with ON/OFF output	■	■	■	■		■
Gas filled bellows	■	■				
24 - 250V	■	■	■	■	■	■
Changeover contacts	■	■	■	■	■	
Setting range 5°C - 30°C					■	
Setting range 8°C - 30°C	■	■				
Setting range 5°C - 35°C			■	■		■
Limiting or locking facility	■	■	■	■		
Setback temperature 5°C - 35°C			■	■		■
Double insulated (no earth required)	■	■	■	■	■	■
Electronic display			■	■	■	■
Heating or cooling operation	■	■	■	■	■	
Tamperproof		■				
5 Amp rated			■	■	■	■
6 Amp rated	■	■				

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

## RDD100 Digital Room Thermostat with LCD



- Room temperature control
- Double insulated (no earth required)
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF output
- Mains powered
- Volt free contacts
- Ideal for Combination Boilers
- Temperature setting range 5°C - 35°C

Operating voltage: AC230V ± 10%-15%

Dimensions: 85mm x 106mm x 21.5mm

## RDD100.1 Digital Room Thermostat with LCD



- Room temperature control
- Double insulated (no earth required)
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF output
- Battery powered
- Volt free contacts
- Ideal for Combination Boilers
- Temperature setting range 5°C - 35°C

Operating voltage: DC 3V  
(2 x 1.5V AAA batteries)

Dimensions: 85mm x 106mm x 21.5mm

# Room Thermostats

RDD50.1 • RDH100

## RDD50.1 Digital Room Thermostat with LCD



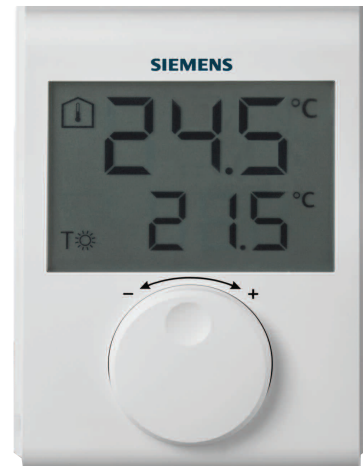
- Room temperature control
- 2-position control with ON/OFF relay output for heating
- Comfort and economy modes
- Double insulated (no earth required)
- Large easy to read display
- Battery powered
- Volt free contacts
- Temperature setting range 5°C - 35°C

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Contact rating: 5A Resistive 2A Inductive

Dimensions: 86mm x 87mm x 20mm

## RDH100 Digital Room Thermostat with LCD



- Room temperature control
- TPI control with ON/OFF output
- Double insulated (no earth required)
- Large easy to read display
- Large dial for settings
- Battery powered
- Volt free contacts
- Temperature setting range 5°C - 30°C

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Contact rating: 5A Resistive 2A Inductive

Dimensions: 90mm x 120mm x 35mm

## RAA21 Standard Room Thermostat



- Room temperature control
- Double insulated (no earth required)
- Gas bellows type operation (no neutral required)
- Large dial for settings
- Battery powered
- Volt free contacts
- Temperature setting range 8°C - 30°C

Nominal voltage: 24 - 250V

Contact rating: 5A Resistive 2A Inductive

Dimensions: 96mm x 97mm x 35mm

## RAA11 Tamperproof Room Thermostat



- Room temperature control
- Double insulated (no earth required)
- Gas bellows type operation (no neutral required)
- Ideal for Combination Boilers
- Suitable for use as a frost thermostat
- Tamperproof
- Volt free contacts
- Temperature setting range 8°C - 30°C

Nominal voltage: 24 - 250V

Contact rating: 5A Resistive 2A Inductive

Dimensions: 96mm x 97mm x 35mm

## Programmable Room thermostats at-a-glance

FEATURES	RDJ100	REV24	RDE100	RDE100.1	RDE100.1DHW	RDE50.1
Combination Boilers	■	■	■	■		■
Underfloor heating	■	■	■	■	■	■
Self-learning logic		■				
Digital display	■	■	■	■	■	■
Programmable away from backplate	■	■	■	■	■	■
PI control with ON/OFF output	■	■	■	■	■	■
24 - 250V	■	■	■	■	■	■
Daily programming	■	■	■	■	■	■
Weekday/weekend programming		■	■	■	■	■
7 day programming		■	■	■	■	■
Lockable display			■	■	■	■
Holiday programming		■	■	■	■	■
Setback facility	■	■	■	■	■	■
Frost protection	■	■	■	■	■	■
Changeover contacts	■	■	■	■	■	■
Party mode (up to 9 hour boost)		■				
5 Amp rated			■	■	■	■
6 Amp rated		■				

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

# Programmable Room Thermostats

RDE100 • RDE100.1

## RDE100 Programmable Room Thermostat with LCD



- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output
- Holiday programming
- Mains powered
- Volt free contacts
- Ideal for combination boilers

Operating voltage: AC230V ± 10%-15%  
 Contact rating: 5A Resistive 2A Inductive  
 Dimensions: 85mm x 127mm x 21.5mm

## RDE100.1 Programmable Room Thermostat with LCD



- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output
- Holiday programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers

Operating voltage: DC 3V  
 (2 x 1.5V AAA batteries)  
 Contact rating: 5A Resistive 2A Inductive  
 Dimensions: 85mm x 127mm x 21.5mm

# Programmable Room Thermostats

RDE100.1DHW • RDJ100

## RDE100.1DHW Programmable Room Thermostat with LCD



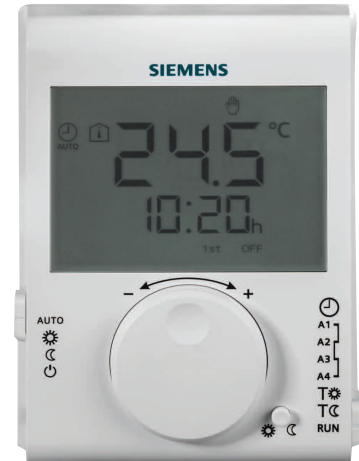
- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output
- Holiday programming
- Battery powered
- Volt free contacts
- Independent ON/OFF control of DHW

Operating voltage: DC 3V  
(2 x 1.5V AAA batteries)

Contact rating: 5A Resistive 2A Inductive

Dimensions: 85mm x 127mm x 21.5mm

## RDJ100 Programmable Room Thermostat



- Room temperature control
- TPI control with ON/OFF output
- Large, easy to read LCD display
- Double insulated (no earth required)
- Large dial for settings
- Daily programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Contact rating: 5A Resistive 2A Inductive

Dimensions: 90mm x 120mm x 35mm

# Programmable Room Thermostats

RDE50.1 • REV24

## RDE50.1 Programmable Room Thermostat with LCD



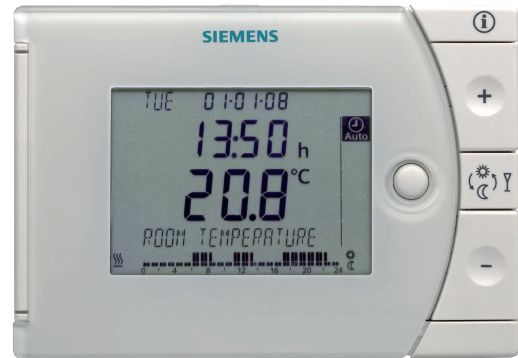
- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output
- Holiday programming
- Battery powered
- Volt free contacts
- Screen lock

Operating voltage: DC 3V  
(2 x 1.5V AAA batteries)

Contact rating: 5A Resistive 2A Inductive

Dimensions: 84mm x 129mm x 20mm

## REV24 Programmable Room Thermostat



- Room temperature control
- Double insulated (no earth required)
- Large, easy to read LCD display
- Slider settings and text instructions
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- PID control with ON/OFF output
- Up to 9 hour boost
- Holiday programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Current rating: 6A Resistive 2A Inductive

Dimensions: 134mm x 94mm x 30mm



## RF (Wireless) Thermostats at-a-glance

FEATURES	RDH100 RF/SET	RDJ100 RF/SET	RDD100.1 RFS	RDE100.1 RFS	REV24RF/ SET	RDD100.1 RF	RDE100.1 RF	RDE50.1 RF/SET
Combination Boilers	■	■	■	■	■	■	■	■
Underfloor heating	■	■	■	■	■	■	■	■
24-250V volt free contacts	■	■	■	■	■	■	■	■
Large digital display	■	■	■	■	■	■	■	■
Backlit display					■		■	■
Setback facility		■	■	■	■	■	■	■
Changeover contacts	■	■	■	■	■	■	■	■
Advance		■		■	■		■	
Daily programming		■		■	■		■	■
Weekday/weekend programming				■	■		■	■
7 day programming				■	■		■	■
Large control dial	■	■			■			
TPI (PID) control	■	■			■			
433MHz	■	■	■	■	■	■	■	■
868MHz					■			
Double Insulated	■	■	■	■	■	■	■	■
Holiday programming				■	■		■	■
Frost protection		■	■	■	■	■	■	■
Override		■			■			■
Manual override switch (on receiver)	■	■	■	■	■	■	■	■
Party mode (up to 9 hour boost)					■			
RF signal strength indicator					■			

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

# Wireless Room Thermostats

RDH100RF/SET • RDJ100RF/SET

## RDH100RF/SET Wireless Digital Room Thermostat and Receiver



- Large, easy to read LCD display
- PI control with ON/OFF output
- Double insulated (no earth required)
- Large dial for settings
- Manual override
- Battery powered
- Volt free contacts
- Range 20 metres line of sight between transmitter and receiver

RDH100RF

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 90mm x 120mm x 35mm

RCR10/433

Operating voltage: AC 230V ± 10%-15%

Contact rating: 8A Resistive 3A Inductive

Dimensions: 84mm x 104mm x 32mm

## RDJ100RF/SET Wireless Programmable Room Thermostat and Receiver



- Large, easy to read LCD display
- PI control with ON/OFF output
- Double insulated (no earth required)
- Large dial for settings
- Manual override
- Daily programming
- Battery powered
- Volt free contacts
- Range 20 metres line of sight between transmitter and receiver

RDJ100RF

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 90mm x 120mm x 35mm

RCR10/433

Operating voltage: AC 230V ± 10%-15%

Contact rating: 8A Resistive 3A Inductive

Dimensions: 84mm x 104mm x 32mm

# Wireless Room Thermostats

RDD100.1RFS • RDE100.1RFS

## RDD100.1RFS Wireless Digital Room Thermostat and Receiver



- Room temperature control
- Double insulated (no earth required)
- Comfort, economy and frost protection mode
- Battery powered
- Volt free contacts
- Unique RF signal
- Range 20 metres line of sight between transmitter and receiver

RDD100.1RFS

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 85mm x 106mm x 21.5mm

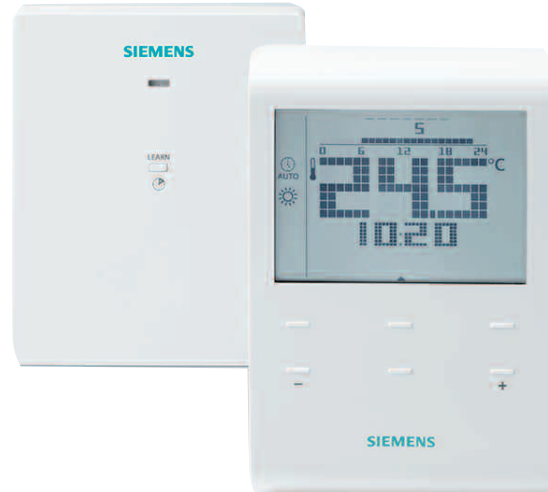
RCR100RF

Operating voltage: AC 230V ± 10%-15%

Contact rating: 8A Resistive 3A Inductive

Dimensions: 84mm x 104mm x 27.5mm

## RDE100.1RFS Wireless Digital Room Thermostat and Receiver



- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output
- Holiday programming
- Battery powered
- Volt free contacts
- Unique RF signal
- Ideal for combination boilers
- Range 20 metres line of sight between transmitter and receiver

RDE100.1RFS

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 85mm x 106mm x 21.5mm

RCR100RF

Operating voltage: AC 230V ± 10%-15%

Contact rating: 8A Resistive 3A Inductive

Dimensions: 84mm x 104mm x 27.5mm

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

# Wireless Room Thermostats

REV24RF/SET • RDE50.1RF/SET

## REV24RF/SET Wireless Programmable Room Thermostat and Receiver



- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Slider settings and text instructions
- Signal strength indicator
- PID control with ON/OFF output
- Comfort, economy and frost protection mode
- Automatic summer/winter changeover
- Up to 9 hour boost
- Holiday programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers
- Range 20 metres line of sight between transmitter and receiver

REV24RF

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 134.5mm x 94mm x 30mm

RCR10/868

Operating voltage: AC 230V ± 10%-15%  
Contact rating: 8A Resistive 3A Inductive  
Dimensions: 114mm x 88mm x 31.5mm

## RDE50.1RF/SET Wireless Programmable room thermostat



- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Manual operation
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF control output for heating
- Holiday programming
- Battery powered
- Volt free contacts
- Unique RF signal
- Ideal for combination boilers
- Range 20 metres line of sight between transmitter and receiver

RDE50.1RF/SET

Operating voltage: DC 3V  
(2 x 1.5V AA batteries)

Dimensions: 84mm x 129mm x 20mm

RCR50RF

Operating voltage: AC 230V ± 10%-15%  
Contact rating: 5A Resistive 2A Inductive  
Dimensions: 84mm x 100mm x 30.5mm

## Cylinder, Pipe and Frost Thermostats at-a-glance

FEATURES	RAM-TR.2000M	RAM-TW.2000M	RAA11
Bi-metallic sensor	■	■	
Gas bellows sensor			■
20°C - 90°C	■	■	
8°C - 30°C			■
SPDT contacts	■	■	■
Suitable for pipes up to 115 mm diameter	■	■	
Tamperproof cover		■	■
Can be used as a frost thermostat			■

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

# Cylinder, Pipe and Frost Thermostats

RAM1 • RAM1.T • RAA11

## RAM-TR.2000M Cylinder/Pipe Thermostat



- Bi-metallic sensor
- Suitable for pipes up to 115mm diameter
- Temperature setting range 20°C - 90°C

Contact rating: 16A SPDT

Dimensions: 38mm x 105mm x 42mm

## RAM-TW.2000M Cylinder/Pipe Thermostat



- Bi-metallic sensor
- Tamperproof
- Suitable for pipes up to 115mm diameter
- Temperature setting range 20°C - 90°C

Contact rating: 16A SPDT

Dimensions: 38mm x 105mm x 42mm

## RAA11 Tamperproof Room Thermostat



- Double insulated (no earth required)
- Gas bellows type operation (no neutral required)
- Tamperproof
- Volt free contacts
- Temperature setting range 8°C - 30°C

Switching voltage: AC 24 - 250V

Contact rating: 8A Resistive 3A Inductive, SPDT

Dimensions: 96mm x 97mm x 35mm

# THERMOSTATIC RADIATOR VALVES

VPD • VPE • VDN • VEN

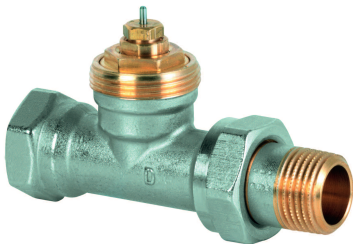
## Dynamic Pressure Independent Control Valve (PICV)



The Siemens ACVATIX™ Dynamic Pressure Independent Control Valves (PICV) VPD/VPE series are designed for use in 2-pipe heating systems (radiators). Key features of these valves are:

- Integrated Differential Pressure Control
- Energy Efficiency: By optimising flow to each radiator, the PICV minimises energy
- Automatic Dynamic Balancing
- Simple Installation: Only the PICV is required, eliminating the need for additional flow balancing valves
- No Flow Noise
- Integrated Presetting
- Internally and Externally Threaded (Rp/R)  $\frac{3}{8}$ " ,  $\frac{1}{2}$ " and  $\frac{3}{4}$ " .
- Straight connection VPD, Angle connection VPE

## Adjustable Kv TRV valve



The Siemens ACVATIX™ Radiator Valves VDN series offer the following key features:

- Integrated Preadjustment of kv-values
- Internally and Externally Threaded (Rp/R)  $\frac{3}{8}$ " ,  $\frac{1}{2}$ " and  $\frac{3}{4}$ "
- Manual Knob and Protective Cover Included: Convenient for adjustments and protection
- Compatibility with various Actuators: Can be combined with RTN... thermostatic actuators, STA...40... electrothermal actuators
- Straight connection VDN, Angle connection VEN

# THERMOSTATIC RADIATOR VALVES

ADN • AEN

Connection (Rp)		Dynamic PICV		Variable Kv		Lockshield
		Flow (l/h)	Rp			
3/8"	Straight	20...135	VPD110A-135	0.09 - 0.63	VDN110	ADN110
	Angle		VPE110A-135		VEN110	AEN110
1/2"	Straight		VPD115A-135	0.1 - 0.89	VDN115	ADN115
	Angle		VPE115A-135		VEN115	AEN115
3/4"	Straight		VPD120A-135	0.31 - 1.41	VDN120	ADN120
	Angle		VPE120A-135		VEN120	AEN120

## Lockshield valve



The Siemens ACVATIX™ Radiator Lockshield Valves (ADN series) offer the following key features:

- Internally and Externally Threaded (Rp/R) 3/8", 1/2" and 3/4"
- Allen Key Isolator and Cover Cap: Prevent unauthorised tampering after installation
- Combination FBSP and Compression Inlet Connections: Suitable for various pipe connection systems
- Straight connection ADN, Angle connection AEN



# THERMOSTATIC RADIATOR VALVE HEADS

RTN51 • RTN71 • RTN81 • STA...

## Thermostatic Radiator Valve Head



The Siemens Thermostatic Radiator Valve (TRV) offers the following key features:

- Liquid sensor
- Robust Construction: Maintenance-free and noiseless operation
- Setpoint Range:  
Adjustable from 8°C to 28°C, with frost protection settings
- Reverse Flow Fitting:  
Can be fitted on either the flow or return pipes
- Temperature limiters
- Frost protection setting

## Electric Radiator Valve Head



The Siemens Electric Radiator Valve offers the following key features:

- Robust Construction:  
Maintenance-free and noiseless operation
- Various voltages 24V, 230V or 24V with DC0...10V signal

Part Number	Product description
RTN51	TRV Head
RTN71	Thermostatic actuator with remote sensor
RTN81	Thermostatic actuator with remote sensor
STA121.40L10	Electric Head 24V
STA321.40L10	Electric Head 230V
STA161.40L10	Electric Head DC 0...10V

For technical specifications and further information please refer to our website [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)

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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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More  
warranty  
for you!



**5-year warranty applies to all residential controls.**