

SIEMENS

Live **Smarter**

Energy efficient control for your home.

www.siemens.co.uk/residential-controls



More
warranty
for you!



5-year warranty applies to all
residential controls.

Introduction

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. And all supplied with a 5 year warranty.



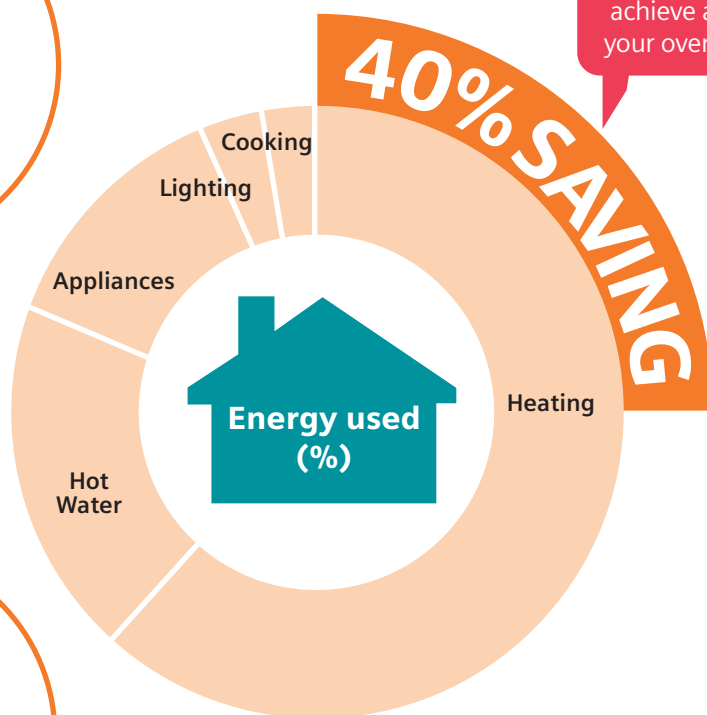
A high quality electronic room thermostat will turn off the boiler when the house is warm enough.



Choosing a suitable programmer will allow you to adjust heating times to match your lifestyle.



Thermostatic radiator valves (TRVs) ensure that you only heat the rooms you need.



With a **40%** saving on your heating you could achieve a **25%** drop in your overall energy bills

*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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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

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 \pm 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 \pm 10%

Contact rating: 6A Resistive 2A Inductive

Dimensions: 145mm x 90mm x 34mm

Room thermostats at-a-glance

FEATURES	RAA21	RAA11	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

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: Battery, 2 x AA

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: Battery, 2 x AA

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	RDL211	RDL211/H	RDJ100	RDE50.1
Combination Boilers	■	■	■	■
Underfloor heating	■	■	■	■
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	■	■	■	■
5 Amp rated	■	■		■
TPI	■	■		

For technical specifications and further information please refer to our website www.siemens.co.uk/residential-controls

Programmable Room Thermostats

RDL211 • RDL211/H

RDL211 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 or 3 position control with TPI
- Holiday programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers, heat pumps and underfloor heating

Operating voltage: Battery, 2 x AA

Contact rating: 5A Resistive 2A Inductive

Dimensions: 88mm x 120.8mm x 20.5mm

RDE211/H Programmable Room Thermostat with LCD with Horizontal Orientation



- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- 2 or 3 position control with TPI
- Holiday programming
- Battery powered
- Volt free contacts
- Ideal for combination boilers, heat pumps and underfloor heating

Operating voltage: Battery, 2 x AA

Contact rating: 5A Resistive 2A Inductive

Dimensions: 120.8mm x 88mm x 20.5mm

Programmable Room Thermostats

RDJ100 • RDE50.1

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: Battery 2 x AA

Contact rating: 5A Resistive 2A Inductive

Dimensions: 90mm x 120mm x 35mm

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: Battery 2 x AA

Contact rating: 5A Resistive 2A Inductive

Dimensions: 84mm x 129mm x 20mm

RF (Wireless) Thermostats at-a-glance

FEATURES	RDL211 RF.ST	RDL131 RF.ST	RDH100 RF/SET	RDJ100 RF/SET	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	■	■	■	■	■
Double Insulated	■	■	■	■	■
Holiday programming	■	■			■
Frost protection	■	■	■	■	■
Override	■	■	■	■	■
Manual override switch (on receiver)				■	■
RF signal strength indicator	■	■	■		
OpenTherm		■			

For technical specifications and further information please refer to our website 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: Battery 2 x AA

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: Battery 2 x AA

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

RDL211RF.ST • RDL131RF.ST

RDL211RF.ST 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 TPI
- Battery powered
- Volt free contacts
- RF signal
- Ideal for combination boilers, heat pumps and underfloor heating

Thermostat

Operating voltage: Battery 2 x AA

Dimensions: 88mm x 120.8mm x 20.5mm

Receiver

Operating voltage: AC 230V \pm 10%-15%

Contact rating: 5A Resistive 2A Inductive

Dimensions: 88mm x 88mm x 24.5mm

RDL131RF.ST Wireless Digital Room Thermostat and Receiver OpenTherm



- 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 TPI
- Battery powered
- Volt free contacts
- OpenTherm Communication
- Ideal for combination boilers and heat pumps

Thermostat

Operating voltage: Battery 2 x AA

Dimensions: 88mm x 120.8mm x 20.5mm

Receiver

Operating voltage: AC 230V \pm 10%-15%

Contact rating: 5A Resistive 2A Inductive

Dimensions: 88mm x 88mm x 24.5mm

For technical specifications and further information please refer to our website www.siemens.co.uk/residential-controls

Wireless Room Thermostats

RDE50.1RF/SET

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: Battery 2 x AA

Dimensions: 84mm x 129mm x 20mm

RCR50RF

Operating voltage: AC 230V \pm 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

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

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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.**