Introduction

Siemens Heating Controls 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, backed by a dedicated technical support team.

Our highly trained and knowledgeable team can be contacted on a local rate number 0870 850 0184 from anywhere in the UK. Siemens Heating Controls is part of one of the largest global electrical and engineering groups.

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.
### Time Controls

At-a-glance guide

<table>
<thead>
<tr>
<th>Product</th>
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### Cylinder, Pipe and Frost Thermostats

At-a-glance guide

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### Room Thermostats

At-a-glance guide

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### Programmable Room Thermostats

At-a-glance guide

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At-a-glance guide

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*Prices shown are Recommended List Price, excluding VAT and valid from 1 October 2017 until 30 September 2018.*  
*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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*For technical specifications and further information please refer to our website* [www.siemens.co.uk/residential-controls](http://www.siemens.co.uk/residential-controls)*.*
Time 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 ± 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 ± 10%
Contact rating: 6A Resistive 2A Inductive
Dimensions: 145mm x 90mm x 34mm

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

**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

**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 ± 10%
Contact rating: 6A Resistive 2A Inductive
Dimensions: 145mm x 85mm x 34mm

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

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

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

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

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

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

**RDH100 Digital Room Thermostat with LCD**

- Room temperature control
- PI 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)
- Ideal for Combination Boilers
- 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

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 at-a-glance

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<th>Feature</th>
<th>RDJ100</th>
<th>REV24</th>
<th>RDE100</th>
<th>RDE100.1</th>
<th>RDE100.1DHW</th>
<th>RDS110</th>
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</thead>
<tbody>
<tr>
<td>Combination Boilers</td>
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<td>✔️</td>
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<tr>
<td>Underfloor heating</td>
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<tr>
<td>PI control with ON/OFF output</td>
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<td>7 day programming</td>
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<td>Lockable display</td>
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<tr>
<td>Setback facility</td>
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<tr>
<td>Frost protection</td>
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<tr>
<td>Changeover contacts</td>
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<tr>
<td>Party mode (up to 9 hour boost)</td>
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<tr>
<td>Humidity sensor</td>
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<tr>
<td>Air quality sensor</td>
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<tr>
<td>Mobile app for smart phones and tablets</td>
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<td>✔️</td>
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</tbody>
</table>

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 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
- PI control with ON/OFF output
- Holiday programming
- Battery 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
- PI control with ON/OFF 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

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

**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
- PI control with ON/OFF 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
- PI 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

*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

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

RDS110 Smart Room Thermostat

- Energy optimised room control with Green leaf button
- Easy to use with intuitive navigation
- Controls temperature and humidity with in-built air quality and presence detection
- PI control with ON/OFF output
- Mobile app for smart phones and tablets
- 7 day time program with Optimum Start
- DHW timed output

Operating system:
iOS 10 or above
Android™ 5.0 or above
Dimensions: 91mm x 91mm x 26mm

For technical specifications and further information please refer to our website www.siemens.co.uk/residential-controls
## RF (Wireless) Thermostats at-a-glance

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<th>RDJ100 RF/SET</th>
<th>RDD100.1 RFS</th>
<th>RDE100.1 RFS</th>
<th>REV24RF/SET</th>
<th>RDE-MZ6</th>
<th>RDD100.1 RF</th>
<th>RDE100.1 RF</th>
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</thead>
<tbody>
<tr>
<td>Combination Boilers</td>
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<td>24-250V volt free contacts</td>
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<td>PI (PID) control with ON/OFF output</td>
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<td>2-position control with ON/OFF output</td>
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<td>Party mode (up to 9 hour boost)</td>
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*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 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

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

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

- Room temperature control
- Double insulated (no earth required)
- Comfort, economy and frost protection mode
- PI control with ON/OFF output
- 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
- PI control with ON/OFF 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 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

RDE-MZ6 Wireless multizone receiver

Only for use with RDD100.1RF and RDE100.1RF room thermostats (to be ordered separately)

- Up to 6 devices can be connected for independent control of each room/zone
- Easy and quick installation due to new design and easily identifiable terminal markings
- Simple pairing of operation helps reduce installation time
- Indication of operating status via LEDs
- External antenna for multizone installation inside a metal enclosure or weak wireless connectivity (provided free)

Operating voltage: AC 230V±10%-15%
Contact rating: 8A Resistive 2A Inductive
Dimensions: 280mm x 78mm x 36.5mm

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

RDD100.1RF Wireless digital room thermostat

- For use with RDE-MZ6 multizone receiver
- Room temperature control
- Double insulated (no earth required)
- Comfort, economy and frost protection mode
- 2-position control with ON/OFF output
- Battery powered
- Range 20 metres line of sight between transmitter and receiver

Operating voltage: DC 3V (2 x 1.5V AA batteries)
Contact rating: 8A Resistive 2A Inductive
Dimensions: 85mm x 106mm x 21.5mm

RDE100.1RF Wireless programmable room thermostat

- For use with RDE-MZ6 multizone receiver
- Room temperature control
- Double insulated (no earth required)
- Daily, weekday/weekend or 7 day programming
- Comfort, economy and frost protection mode
- PI control with ON/OFF output
- Holiday programming
- Battery powered
- Range 20 metres line of sight between transmitter and receiver

Operating voltage: DC 3V (2 x 1.5V AA batteries)
Dimensions: 85mm x 127mm x 21.5mm

For technical specifications and further information please refer to our website www.siemens.co.uk/residential-controls
<table>
<thead>
<tr>
<th>Feature</th>
<th>RAM1</th>
<th>RAM1.T</th>
<th>RAA11</th>
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<tbody>
<tr>
<td>Bi-metallic sensor</td>
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<tr>
<td>Gas bellows sensor</td>
<td>☑</td>
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<td>☑</td>
</tr>
<tr>
<td>15°C - 90°C</td>
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<tr>
<td>8°C - 30°C</td>
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<tr>
<td>SPDT contacts</td>
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<tr>
<td>Can be used on pipes up to 41mm Diameter</td>
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<tr>
<td>Tamperproof cover</td>
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<tr>
<td>Can be used as a frost thermostat</td>
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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

RAM1 Cylinder/Pipe Thermostat

- Bi-metallic sensor
- Can be used on pipes up to 41mm diameter
- Temperature setting range 15°C - 90°C

Contact rating: 15A SPDT
Dimensions: 50mm x 116mm x 59mm

RAM1.T Cylinder/Pipe Thermostat

- Bi-metallic sensor
- Tamperproof
- Can be used on pipes up to 41mm diameter
- Temperature setting range 15°C - 90°C

Contact rating: 15A SPDT
Dimensions: 50mm x 116mm x 59mm

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

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

CZV... 22mm and 28mm 2-port motorised valves

- Demountable actuator (power head)
- Replaceable motor
- Wedge type actuator
- Spring return operation
- Motor open
- Volt free switching, 24-240V
- Manual lever for flushing or filling the system
- Industry standard wiring
- Standard motor voltage: 230V 50Hz

Part numbers:
- CZV222 - 22mm 2-port valve
- CZV228 - 28mm 2-port valve
- DVA2/5 - Demountable actuator for CZV222
- DVA2/6 - Demountable actuator for CZV228

Also available as a Mid-position Valve on request.

Part numbers:
- CMV322 - 22mm 3-port valve
- CMV328 - 28mm 3-port valve
- DVA3 - Demountable actuator for CMV322/328

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

MTN51GB Thermostatic Radiator Valve (TRV)

- Liquid sensor
- Reverse flow fitting allows installation in either flow or return without regard to head position
- Supplied complete with 10 and 15mm fittings
- Temperature limiters
- Frost protection setting
- EN215 approval
- Also available with push fit elbow MTN51GBL

*We recommend the installation of an Automatic By-pass valve to achieve maximum efficiency from the system

TradeTRV15 Thermostatic Radiator Valve (TRV)

- Liquid sensor
- Reverse flow fitting allows installation in either flow or return without regard to head position
- Supplied complete with 10 and 15mm fittings
- Temperature limiters
- Frost protection setting
- EN215 approval

*We recommend the installation of an Automatic By-pass valve to achieve maximum efficiency from the system

BPV22 Automatic By-pass Valve

- Allows for constant water circulation through the boiler/system when TRVs close
- Reduces pump burn out
- Reduces system and boiler noise
- Improves system efficiency
- 22mm fittings only

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

TRV Pack 2
- TRV Head
- Angled 10/15mm Valve body
- Lockshield and Wheel Head cap
- Drain off valve
- Decorators cap

TRV Pack 3
- TRV Head
- Angled 10/15mm Valve body
- Lockshield and Wheel Head cap
- Push fit elbows
- Decorators cap

TRV Pack 4
- TRV Head
- Angled 10/15mm Valve body
- Lockshield and Wheel Head cap
- Push fit elbows
- Drain off valve
- Decorators cap

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

TRV Pack 5
- TRV Head
- Straight 10/15mm Valve body
- Lockshield and Wheel Head cap
- Decorators cap

TRV Pack 9
- Angled 10/15mm Valve body
- Lockshield and Wheel Head cap

TRV Pack 10
- Drain off valve

For technical specifications and further information please refer to our website www.siemens.co.uk/residential-controls
Our world is undergoing changes that force us to think in new ways: demographic change, urbanisation, 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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e-mail: sales.uk.sbt@siemens.com

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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