About SALUS

SALUS Controls is a technology led supplier of energy control solutions focused primarily on the European professional market channel. We work closely with our customers and partners to understand the complexity of each market that we work with to develop innovative and cost-effective products that are intuitive to use, quick to install and simple to maintain.

SALUS Controls is a member of The Computime Group Ltd, Hong Kong, widely regarded for its electronic control technologies, research & design capabilities and manufacturing services. It occupies a unique niche in appliance, heating, air conditioning, smart energy and building automation sectors, serving customers in commercial, industrial and consumer markets throughout Asia, North America and Europe since 1974.

SALUS Controls builds solid partnerships and provides dependable solutions to enable our customers’ success. We have a performance culture which seeks to anticipate our customers’ requirements with speed and flexibility. Most importantly, we offer our customers fast service and exceptional professional support.
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ICONS EXPLAINED

SMART HOME
Products displaying this ICON can be used with SMART HOME systems

UNDERFLOOR HEATING
Products displaying this ICON can be used with underfloor heating systems

HYDRONIC HEATING
Products displaying this ICON can be used with hydronic heating systems

ELECTRIC HEATING
Products displaying this ICON can be used with electric heating systems

ELECTRIC UNDERFLOOR HEATING
Products displaying this ICON can be used with electric underfloor heating systems

Visit our website for more information on the SALUS range of products.

SALUS Controls Underfloor | 03
SALUS | Smart Underfloor Heating Control

We provide a wide range of room temperature controls (thermostats) to optimize the operating efficiency of your underfloor heating (UFH) system and provide the flexibility to independently control each room or heating zone.

Thermostats are available as:
- 230-volt hard wired.
- 24-volt hard-wired
- Wireless RF
- Smart Home
- Dial or digital options
Quantum Underfloor Heating Control
Available in 230V + RF

The SALUS Quantum thermostat, Advanced Wiring Centre and VBA Variable Balancing Actuator are the perfect combination of products for any underfloor heating installation. The sleek, stylish design of the thermostat, app configured zone control of the wiring centre and auto balancing of the actuator makes the installation quicker and more efficient. Saving time for the installer and giving better customer satisfaction.

Quick Installation of the whole system:
Products work seamlessly with each other making installation time quick and efficient.

SAVING TIME
No extra testing required, and no recalibration.

EFFICIENT HEATING
Works with various loop length or retrofits where loop length is not known.

PERFECT MATCH
The system is compatible with manifolds with or without flowme-
tres. And they fit the most popular thread size - M16x1.5

5 YEARS WARRANTY
We trust the quality of our products... So we give you 5 years trouble-free operation guaranteed.

UNIQUE
The VBA is the first innovative technological solution on the market.
The SALUS variable balancing actuator will be available soon and works in conjunction with the AWCZ230VAC wiring centre. It will enable you even more control over the setup of your underfloor heating system. Keep checking the website for more details.

- Auto balances the system
- Eliminates hot and cold spots
- Variable Delta T
- 5 Year warranty

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**SQT600 / SQT600RF**

The SALUS Quantum thermostat range will be available soon and is the latest addition to the SALUS Smart Home system. It is a slim surface mounted thermostat, that will integrate with other home automation systems. Keep checking the website for details.

- Sleek, Stylish design
- Only 9mm thick
- 5 Year warranty
- State of the art rechargeable Lithium battery, with 2+ years battery life.

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**AWCZ230VAC - RF Wiring Centre**

The AWCZ230VAC Advanced Wired Wiring Centre with WiFi forms the heart of an Underfloor Heating controls system. It allows easy and quick connection of thermostats and actuators. AWCZ230VAC will allow you to control up to 8 heating zones and connect to a manifold with up to 12 individual heating circuits.

- Quick installation
- 8 Heating Zones
- App configured
- 5 Year warranty

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>230V AC 50 Hz</td>
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<tr>
<td>Total Load Max</td>
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<tr>
<td>Pump / Boiler Relay Load Max</td>
<td>3A</td>
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<tr>
<td>Inputs</td>
<td>External clock (230V AC)</td>
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<tr>
<td>Outputs</td>
<td>Pump control (L,N) - 230V AC</td>
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<td></td>
<td>Boiler control (NO/COM Volt Free)</td>
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<td></td>
<td>Terminals for actuators</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>355 x 85 x 67</td>
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</tbody>
</table>

---

**VBA - Variable Balancing Actuator**

The SALUS variable balancing actuator will be available soon and works in conjunction with the AWCZ230VAC wiring centre. It will enable you even more control over the setup of your underfloor heating system. Keep checking the website for more details.

- Auto balances the system
- Eliminates hot and cold spots
- Variable Delta T
- 5 Year warranty
Intelligent Home Automation

As technology advances, more and more devices are becoming wireless, bringing the dream of a fully automated home closer to a reality. The SALUS Smart Home Range allows you to control your home from anywhere using your Smartphone, Tablet or PC. With individual room temperature control, scheduling and controlling of your electrical appliances or monitoring doors and windows, you have comfort, convenience and security in one easy to use and simple to install system.
The SALUS Quantum thermostat range will be available soon and is the latest addition to the SALUS Smart Home system. It is a slim surface mounted thermostat, that will integrate with other home automation systems. Keep checking the website for details.

The TRV10RFM is a battery-powered, mini-size thermostatic radiator valve (TRV) controller using ZigBee wireless communication. Simply replace the existing, passive head on the standard valve with the TRV10RFM. You can connect up to 6 TRV’s to one HTRS-RF(30) thermostat used with the SALUS Smart Home gateway.

Thinking Smart?
Think SALUS...
A smart photoelectric smoke sensor, with ultra-low-power ZigBee wireless network technology design. It is capable of real-time detecting the presence of smoke. Once it detects danger of fire smoke, the red LED flashes rapidly and the alarm sounds to alert you. For an internet connection (Online Mode), SD600 must be used with the Universal Gateway UG600/UGE600 and the SALUS Smart Home App. You can also use SD600 without an internet connection (Offline Mode).

The SALUS smart plug is inserted directly into an existing power outlet. It gives Smartphone control of the device plugged into the smart plug via the SALUS Smart Home app. This product must be used with the SALUS Smart Home gateway.

The new window sensor is a small, slim, wireless piece of equipment that detects when a window is opened or closed and reports this to the SALUS Smart Home App. This product must be used with the SALUS Smart Home gateway.

The Smart Button is used to trigger the “One touch” and “My Status” rules that you have created for your SALUS Smart Home system. Normally “One touch” and “My Status” rules are triggered via the SALUS Smart Home app, however the Smart Button provides an additional method. This product must be used with the Universal Gateway UG600 and the SALUS Smart Home App.

The KL08RF has 8 control zones, each with connections for up to 3 actuators. Volt Free connection for both pump and boiler, a connection for Dew point sensor and the C/O input for automatic switching from heating to cooling are standard.

The SALUS Smart Home gateway is the brains of the system and connects your SALUS Smart Home devices together. When connected to any Wi-Fi router allows control via Smartphone, Tablet or PC, using the SALUS Smart Home app.
HTRS-RF (30) - Digital Thermostat

Simple to use and with a clear, easy to read LCD display, the HTRS-RF(30) is perfect for users who want to precisely control individual room temperature. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRS-RF(30)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty

Supply: 2 x AA Batteries

Scale: 5°C to 32.5°C

Size (mm): W-85 H-85 D-25

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HTRP-RF (50) - Digital Programmable Thermostat

Simple to use and with a clear easy to read LCD display, the HTRP-RF(50) is perfect for users who want complete control over their underfloor heating system. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured. Time and heat schedules are also fully programmable to optimise control and minimise energy usage.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRS-RF(30)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Fully programmable
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty

Supply: 2 x AA Batteries

Scale: 5°C to 32.5°C

Size (mm): W-85 H-85 D-25

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UG600 - Universal Gateway

The SALUS Smart Home gateway is what connects your SALUS Smart Home devices together and when connected to any router, it allows control via Smartphone, Tablet or PC, using the SALUS Smart Home app.

**FEATURES**
- LED indication
- Connects all SALUS Smart Home products to the Smart Home app
- Ethernet connection
- 5 Year Warranty

Power Supply: 5V DC over USB

Wireless Standard: 2.4Ghz Zigbee

Size (mm): W-88 D-56

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SQT600 / SQT600RF

The SALUS Quantum thermostat range will be available soon and is the latest addition to the SALUS Smart Home system. It is a slim surface mounted thermostat, that will integrate with other home automation systems. Keep checking the website for details.

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HTRP-RF (50) - Digital Programmable Thermostat

Simple to use and with a clear easy to read LCD display, the HTRP-RF(50) is perfect for users who want complete control over their underfloor heating system. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured. Time and heat schedules are also fully programmable to optimise control and minimise energy usage.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRS-RF(30)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Fully programmable
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty

Supply: 2 x AA Batteries

Scale: 5°C to 32.5°C

Size (mm): W-85 H-85 D-25

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HTRS-RF (30) - Digital Thermostat

Simple to use and with a clear, easy to read LCD display, the HTRS-RF(30) is perfect for users who want to precisely control individual room temperature. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRP-RF(50)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty

Supply: 2 x AA Batteries

Scale: 5°C to 32.5°C

Size (mm): W-85 H-85 D-25
HTR-RF (20) - Dial Thermostat

Simple to use, the HTR-RF(20) is perfect for users who appreciate a traditional dial face and want minimal intervention in the heating system. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are nevertheless assured.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ functionality
- Traditional dial face
- Integrates with HTRP-RF(50)
- ErP Rating IV
- Battery operated
- 5 Year Warranty

**Supply:**
- 2 x AA Batteries

**Scale:**
- 5°C to 32.5°C

**Size (mm):**
- W-80 H-80 D-30

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TS600 - Wireless Temperature Sensor

The sleek and inobtrusive design makes the TS600 an ideal solution for locations which demand discrete controls while still ensuring optimum heating comfort. Likewise, the remote only interface makes the TS600 Appstat perfect for managed properties that prefer to avoid local user intervention.

**FEATURES**
- Stylish, compact, surface mounted solution
- ‘Self-learning’ functionality time proportional and integral (TPI)
- LED indication
- Optional external sensor
- App Only Interface
- Clear and Easy to use
- Controls up to six SALUS Smart Radiator controls (TRVs) in a zone
- Control via the SALUS Smart Home App
- 5 Year Warranty

**Supply:**
- 2 x AA Batteries

**Wireless Standard:**
- 2.4Ghz Zigbee

**Scale:**
- 5°C to 32.5°C

**Size (mm):**
- W-51 H-85 D-26

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TRV10RFM - Wireless Radiator Valve

The TRV10RFM is a battery-powered, mini-size thermostatic radiator valve (TRV) controller using ZigBee wireless communication. Simply replace the existing, passive head on the standard valve with the TRV10RFM. You can connect up to 6 TRV's to one HTRS-RF(30) thermostat used with the SALUS Smart Home gateway.

**FEATURES**
- Automatic valve adaptation
- Easy wireless pairing
- Manual on/off buttons
- LED status indication
- Buttons can be locked
- Frost protection function
- Open window detection function
- Limescale protection function
- Optional mounting ring
- 5 Year Warranty

**Power Supply:**
- 2 x AA Batteries

**Size (mm):**
- W-52 H-85 D-52
SP600 – Smart Plug

The SALUS smart plug is inserted directly into an existing power outlet. It gives Smartphone control of the device plugged into the smart plug via the SALUS Smart Home app. This product must be used with the SALUS Smart Home gateway.

**FEATURES**

- Easily time program each socket
- Remotely disable outlet rather than running in costly standby mode
- Monitor energy usage of outlet
- Can be linked to other devices via Smart Home rules engine
- Electric heating applications
- Small and discreet
- 5 Year Warranty

**Power Supply:** 230V AC 50Hz

**Wireless Standard:** 2.4Ghz Zigbee

**Size (mm):** W-49 H-60 D-36

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SR600 – Smart Relay

The SR600 relay is installed directly into a junction box or can be wall mounted using the optional SRS600 Surface mount bracket to create a hardwired semi-permanent control solution for lighting, heating or appliances. Offering an industry leading rated capacity of 16A the SR600 is suitable to control larger current devices such as electric heaters. Integrates wirelessly with the UG600 Universal connection gateway and can be controlled independently or in combination with other devices using the App Smart Rules function.

**FEATURES**

- Smart home solution for fixed wired devices
- 16 A max. switching capacity
- SALUS Smart Home integration
- Control via the SALUS Smart Home App
- 5 Year Warranty

**Power Supply:** 230V AC 50Hz

**Max Current:** 16A

**Wireless Standard:** 2.4Ghz Zigbee

**Size (mm):** W-45 H-45 D-20

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SRS600 – Surface Mount Bracket

Suitable for SR600

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SW600 – Window/Door Sensor

The new window sensor is a small, slim, wireless piece of equipment that detects when a window is opened or closed and reports this to the SALUS Smart Home App. This product must be used with the SALUS Smart Home gateway.

**FEATURES**

- Alert via the Smart Home app when a window/door is opened
- Can increase efficiency of heating system when used with HTR-RF thermostats via Smart Home rules engine
- Can be linked to other devices via Smart Home rules engine
- 5 Year Warranty

**Power Supply:** 1 x CR2 3V Battery

**Wireless Standard:** 2.4Ghz Zigbee

**Sensor Size (mm):** W-20 H-70 D-15

**Magnet Size (mm):** W-10 H-40 D-10

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SB600 – Smart Button

The Smart Button is used to trigger the “One touch” and “My Status” rules that you have created for your SALUS Smart Home system. Normally “One touch” and “My Status” rules are triggered via the SALUS Smart Home app, however the Smart Button provides an additional method. This product must be used with the Universal Gateway UG600 and the SALUS Smart Home App.

**Power Supply:** 2 x AAA Batteries

**Wireless Standard:** 2.4Ghz Zigbee

**Size (mm):** W-59 H-59 D-18
**CSB600 - Covered Smart Button**

The Protective Smart Button can be used during a panic situation in order to trigger the "One touch" and "My Status" rules that you have created for your SALUS Smart Home system. Normally "One touch" and "My Status rules are triggered via the SALUS Smart Home app, however the Smart Button provides an additional method. This product must be used with the Universal Gateway UG600 and the SALUS Smart Home App.

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>2 x AAA Batteries</th>
</tr>
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<tbody>
<tr>
<td>Wireless Standard:</td>
<td>2.4Ghz Zigbee</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-59 H-68 D-23</td>
</tr>
</tbody>
</table>

**SD600 - Smoke Detector**

SD600 is a smart photoelectric smoke sensor, with ultra-low-power ZigBee wireless network technology design. It is capable of real-time detecting the presence of smoke. Once it detects danger of fire smoke, the red LED flashes rapidly and the alarm to alert you. For an internet connection (Online Mode), SD600 must be used with the Universal Gateway UG600/UGE600 and the SALUS Smart Home App. You can also use SD600 without an internet connection (Offline Mode).

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>1x CR123A Battery (incl.)</th>
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<tbody>
<tr>
<td>Wireless Standard:</td>
<td>Zigbee 2.4 GHz HA1.2</td>
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<tr>
<td>Battery Life:</td>
<td>2 Years</td>
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<tr>
<td>Size (mm):</td>
<td>W-61 H-50 D-61</td>
</tr>
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**WLS600 - Water Leak Sensor**

The WLS600 Water Leak Sensor is designed to detect the presence of water on a surface under the sensor, or across the contacts of the leads attached to the sensor. The sensor can be place either horizontally or vertically as required by space constraints. The leads are attached to the sensor via a wall mount accessory. WLS600 must be used with the Universal Gateway UG600/UGE600 and the SALUS Smart Home App.

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>1x CR2 Battery (incl.)</th>
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<tbody>
<tr>
<td>Wireless Standard:</td>
<td>Zigbee 2.4 GHz HA1.2</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>Ø-55 H-25</td>
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**RS600 - Smart Shutter Relay**

The NEW SALUS RS600 Shutter Relay allows the user to control each shutter on their property independently from Smartphone, Tablet or PC. Giving ease of control and security if you are away from home unexpectedly. Using the Smart Home App you can control and monitor multiple properties. The SALUS Smart Home system can be expanded at any time to include additional products from the Smart Home range.

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>230V AC 50Hz</th>
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</thead>
<tbody>
<tr>
<td>Max Current:</td>
<td>2x 5A (2)</td>
</tr>
<tr>
<td>Wireless Standard:</td>
<td>2.4Ghz Zigbee</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-45 H-45 D-20</td>
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</table>
Underfloor Heating Control
Hardwired - 230V and 24V
Hardwired programmable room thermostat with extra large display. Rated ERP V with OpenTherm compatible load compensation.

FEATURES
- Load Compensation (OpenTherm Compatible)
- Optimisation Functions
- New Larger, clear, easy to read LCD
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- ErP Rating V
- Service Mode
- Landlord PIN
- Easy Installation
- Simple Operation
- Battery Operated
- 5 Year Warranty

Thermostat Supply: 2 x AA Batteries
Rating Max: 3 (1) A SPST
Input/Output: 0 - 230V
Thermostat Scale: 5 to 33.5°C
Thermostat Size(mm): W-95 H-118 D-26

- Boiler Plus Compliant
- Load Compensation (OpenTherm)
- Landlord PIN
- Service Mode
- Optimisation
- TPI
- Easy to Install
- 5 Year Warranty
HTRP24/230 - Programmable Digital Display Thermostat

The HTRP230 is a stylish and accurate 230V programmable digital display room thermostat. This attractive, modern thermostat has been specifically designed to be used for underfloor heating applications. With silent switching, Triac technology, pulse width modulation (PWM), a large, easy to read digital display and fully programmable for time and heat schedules, it is the perfect choice for a programmable, digital display, underfloor heating control solution.

<table>
<thead>
<tr>
<th></th>
<th>24V</th>
<th>230V</th>
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<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>24V (AC)</td>
<td>230V (AC)</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>24 V: 1.8 W</td>
<td>230V: 1.8 W</td>
</tr>
<tr>
<td><strong>Max Switching</strong></td>
<td>0.5 A</td>
<td></td>
</tr>
<tr>
<td><strong>Temp range</strong></td>
<td>5°C to 35°C</td>
<td></td>
</tr>
<tr>
<td><strong>Size (mm):</strong></td>
<td>W-85 H-85 D-25</td>
<td></td>
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</table>

HTRS230 - Digital Display Thermostat

The HTRS230 is a stylish and accurate 230V digital display room thermostat. This attractive, modern thermostat has been specifically designed to be used for underfloor heating applications. With silent switching, Triac technology, pulse width modulation (PWM) and a large, easy to read digital display it is the perfect choice for a digital display, underfloor heating control solution.

<table>
<thead>
<tr>
<th></th>
<th>230V AC, +/− 10 %, 50/60Hz</th>
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</thead>
<tbody>
<tr>
<td><strong>Output</strong></td>
<td>230V: 1.8 W</td>
</tr>
<tr>
<td><strong>Max Switching</strong></td>
<td>0.5 Amps</td>
</tr>
<tr>
<td><strong>Temp range</strong></td>
<td>5°C to 35°C</td>
</tr>
<tr>
<td><strong>Size (mm):</strong></td>
<td>W-85 x H-85 x D-25</td>
</tr>
</tbody>
</table>

HTR24/230 - Dial Thermostat

Simple to use, the HTR24 / 230 is perfect for users who appreciate a traditional dial face and want minimal intervention in the heating system. With silent switching, Triac technology and pulse width modulation (PWM) calibration and accuracy, efficiency is assured.

<table>
<thead>
<tr>
<th></th>
<th>24V</th>
<th>230V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>24V (AC)</td>
<td>230V (AC)</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>24 V: 1.8 W</td>
<td>230V: 1.8 W</td>
</tr>
<tr>
<td><strong>Max Switching</strong></td>
<td>0.5 A</td>
<td></td>
</tr>
<tr>
<td><strong>Temp range</strong></td>
<td>5°C to 30°C</td>
<td></td>
</tr>
<tr>
<td><strong>Size (mm):</strong></td>
<td>W-85 H-85 D-25</td>
<td></td>
</tr>
</tbody>
</table>
KL08NSB - 8 Zone Master Wiring Centre

The KL08NSB has 8 control zones, each with connections for up to 4 actuators. Volt free connection for both pump and boiler.

**FEATURES**
- 8 zones with 4 actuators per zone
- Push-in cable connections with strain relief
- Volt free pump and boiler switching
- LED status indication
- Separate input for night setback signal
- Works with NO and NC actuators
- External clock contact
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>230V</td>
</tr>
<tr>
<td>Switching current (Max):</td>
<td>5A</td>
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<tr>
<td>Pump/Boiler Relay Load Max:</td>
<td>3A</td>
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<tr>
<td>Output</td>
<td>230V</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-353 x H-85 x D-65</td>
</tr>
</tbody>
</table>

KL04NSB - 4 Zone Slave Extension

If 8 zones are insufficient, the KL04NSB can be used to extend the KL08NSB to control up to 12 zones. Requires its own 230V power supply.

**FEATURES**
- Plug in slave unit to extend the KL08NSB
- 4 zone plug-in slave unit with 4 actuators per zone
- Push-in cable connections with strain relief
- LED status indication
- Works with NO and NC actuators
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>230V</td>
</tr>
<tr>
<td>Switching current (Max):</td>
<td>5A</td>
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<tr>
<td>Output</td>
<td>230V</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-163 x H-85 x D-65</td>
</tr>
</tbody>
</table>

KL06M - 230V 6 Zone Wiring Centre

The KL06M has 6 control zones, each with connections for up to 4 actuators. Pump and boiler logic with volt free connections (sold separately).

**FEATURES**
- 6 zones with 4 actuators per zone
- Push-in cable connections with strain relief
- Volt free pump and boiler switching
- LED status indication
- Separate input for night setback signal
- Works with NC
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>230V AC 50Hz</td>
</tr>
<tr>
<td>Rating</td>
<td>2A</td>
</tr>
<tr>
<td>Output</td>
<td>230V</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-300 x H-86 x D-60</td>
</tr>
</tbody>
</table>
THB23030 / THB2430 - Auto Balancing Actuator

Low power motorised actuator with unique built-in automatic balancing control for under floor heating systems, to ensure each circuit is always correctly balanced.

FEATURES
• Auto balancing with 7°C
• Energy efficient
• Easy & quick to install
• Includes 2-piece pipe sensors
• Precision motorised actuator
• Ultra-low power 0.5W
• Fit & forget UFH balance control
• Fast valve opening & closing
• Universal M30 x 1.5mm screw thread
• 5 Year Warranty

230V
Operation: NC = Normally Closed
N: Neutral Connection
L: 230V Live Connection
Size (mm): W-38 x H-93 x D-53

24V
Operation: NC = Normally Closed
N: 24V AC
L: 24V AC
Size (mm): W-38 x H-93 x D-53

T30NC230WP - Electro Thermal Actuator

Thermal actuator for energy saving. Used to regulate surface heating and cooling systems.

FEATURES
• Adaptive stroke length 4mm
• Low Power consumption 2W
• 100N Force
• High quality wax element
• Simple open and close indication
• Universal M30 x 1.5mm screw thread
• 5 Year Warranty

Operation: NC = Normally Closed
N: Neutral Connection
L: 230V Live Connection
Size (mm): W-38 x H-38 x D-60

T30NC24 - Electro Thermal Actuator

Thermal actuator for energy saving. Used to regulate surface heating and cooling systems.

FEATURES
• Adaptive stroke length 4mm
• Low Power consumption 2W
• 100N Force
• High quality wax element
• Simple open and close indication
• Universal M30 x 1.5mm screw thread
• 5 Year Warranty

Operation: NC = Normally Closed
N: Neutral Connection
L: 24V Live Connection
Size (mm): W-38 x H-38 x D-60
Underfloor Heating Control
Wireless RF
The RT520RF is a stylish battery operated, programmable wireless room thermostat with extra large display. Rated ERP V with OpenTherm compatible load compensation.

**FEATURES**
- Load Compensation (OpenTherm Compatible)
- Optimisation Functions
- New Larger Clear easy to read LCD
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- ErP Rating V
- Service Mode
- Landlord PIN
- Battery Operated
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

**RT520RF**

**Thermostat Supply:** 2 x AA Batteries
**Receiver (Rx) Supply:** 230V AC 50Hz
**Rx Rating Max:** 16 (5) A SPST
**Rx Input/Output:** 0 - 230V
**Thermostat Scale:** 5 to 33.5°C
**Thermostat Size (mm):** W-95 H-118 D-26
**Receiver Size (mm):** W-96 H-96 D-27
The RT310i is an affordable Smartphone controlled thermostat. It allows you to control your heating from anywhere via your Smartphone, Tablet or PC. Alternatively, it can be used locally as a simple to use up/down thermostat.

**FEATURES**

- Switching volt free and 230V
- Optional control via Smartphone, Tablet or PC
- Easy to use App
- Pre-paired wireless communication, so no more dip switches!
- Wall or desk mounted thermostat
- Choose to use schedule or control manually
- Adjustable frost protection when the thermostat is off
- Wireless communication test function
- Suitable for heating or cooling applications
- Holiday function
- 16 amp relay switching
- Manual override
- Gateway Included
- 5 Year Warranty

### RT310i Thermostat

**Supply:**
- 2x AA Batteries

**Scale:**
- 5 to 35 °C

**Thermostat Size (mm):**
- W-96 H-96 D-27

### RT310i RX

**Supply:**
- 230 V(AC)

**Switch Rating:**
- 16 (5) A SPST

**Output:**
- 0 - 230V

**Receiver Size (mm):**
- W-96 H-96 D-27

---

**RT510RF - Programmable RF Thermostat**

The RT510RF is a stylish, simple to install and use wireless RF fully programmable room thermostat with a range of advanced features and selectable modes.

**Thermostat Supply:**
- 2 x AA Batteries

**Receiver (RX) Supply:**
- 230V AC 50Hz

**RX Rating Max:**
- 16 (5) A SPST

**RX Input/Output:**
- 0 - 230V

**Thermostat Scale:**
- 5 to 35°C

**Thermostat Size (mm):**
- W-120 H-96 D-27

**Receiver Size (mm):**
- W-96 H-96 D-27

**FEATURES**

- Switching volt free and 230V
- Sleep Mode
- Programmable
- Frost Protection
- Simple Operation
- Frequency 868 MHz with 30 metre range
- 16 amp relay switching
- Manual mode
- Pre-paired wireless communication, so no more dip switches!
- Heating Boost Mode
- Holiday Mode
- Receiver manual override switch
- RF Test Function
- Easy Installation
- 5 Year Warranty

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**RT310RF - RF Digital Thermostat**

The RT310RF is a stylish, simple to install and use wireless RF room thermostat.

**Thermostat Supply:**
- 2 x AA Batteries

**Receiver (RX) Supply:**
- 230V AC 50Hz

**RX Rating Max:**
- 16 (5) A SPST

**RX Input/Output:**
- 0 - 230V

**Thermostat Scale:**
- 5 to 35°C

**Thermostat Size (mm):**
- W-96 H-96 D-27

**Receiver Size (mm):**
- W-96 H-96 D-27

**FEATURES**

- Switching volt free and 230V
- Sleep Mode
- Frost Protection
- Desk Stand
- Frequency 868 MHz with 30 metre range
- Simple Operation
- 16 amp relay switching
- Pre-paired wireless communication, so no more dip switches!
- Contemporary design
- RF Test Function
- Easy Installation
- Receiver manual override switch
- 5 Year Warranty
KL08RF - Wireless 8 Zone Master Wiring Centre

The KL08RF has 8 control zones, each with connections for up to 3 actuators. Volt Free connection for both pump and boiler, a connection for Dew point sensor and the C/O input for automatic switching from heating to cooling are standard.

**FEATURES**
- 8 zones with 3 actuators per zone
- Push-in cable connections with strain relief
- Volt free pump and boiler switching
- LED status indication
- Separate in-put for night setback signal
- Works with NO and NC actuators
- External clock contact
- Includes coordinator or ZigBee wireless for Smart Home App integration
- Zigbee 2.4GHz
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>230V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching current (Max):</td>
<td>5A</td>
</tr>
<tr>
<td>Pump/Boiler Relay Load Max:</td>
<td>3A</td>
</tr>
<tr>
<td>Output:</td>
<td>230V</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-353 x H-85 x D-65</td>
</tr>
</tbody>
</table>

KL04RF - Wireless 4 Zone Slave Extension

If 8 zones are insufficient, the KL04RF can be used to extend the KL08RF to control up to 12 zones. Requires its own 230V power supply.

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>230V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching current (Max):</td>
<td>5A</td>
</tr>
<tr>
<td>Output:</td>
<td>230V</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-163 x H-85 x D-65</td>
</tr>
</tbody>
</table>
Electric Underfloor Heating Controls
RT510SR - Especially for plug-in electric heaters

The RT510SR programmable, digital room thermostat from SALUS with its wireless 868 MHz plug is the perfect solution for precise and efficient control of electric heaters. The SR868 relay is the smallest receiver on the market with a 16A switching capacity. This allows you to regulate the complete range of single-phase plug-in electrical heaters.

The thermostat and the relay come pre paired in the box and can be used immediately.

In addition to the features of the RT510SR, the temperature-time program profiles are added. Easy to program or use the factory program if required.

**FEATURES**

- Sleep mode
- Programmable temperatures and times
- Frost protection
- Optional table stand
- Easy to use
- Frequency 868 MHz with up to 30 m range
- Manual mode
- Preconfigured for "plug and play"
- Holiday mode
- 16 A switching capacity
- Modern design
- RF test function
- Easy installation
- 5 Year Warranty

**Thermostat RT510SR**

- Power Supply: 2 x AA Batteries (inc.)
- Wireless Standard: 868 MHz
- Temp. Scale: 5°C to 35°C
- Hysteresis: +/-0.5°C
- Size (mm): B-98 H-98 T-30

**SR868**

- Power Supply: 230V AC 50Hz
- Max Current: 16A
- Wireless Standard: 868 MHz
- Size (mm): W-45 H-45 D-20

RT310SR - Especially for plug-in electric heaters

The RT310SR digital room thermostat from SALUS with its wireless 868 MHz plug is the perfect solution for precise and efficient control of electric heaters. The SR868 relay is the smallest receiver on the market with a 16A switching capacity. This allows you to regulate the complete range of single-phase plug-in electrical heaters.

The thermostat and the relay come pre paired in the box and can be used immediately.

No lengthy installation is necessary. The RT310SR is a precise room thermostat with LCD display and easy to use.

**FEATURES**

- Sleep mode
- Frost protection
- Optional table stand
- Frequency 868 MHz with up to 30 m range
- Easy to use
- Preconfigured for "plug and play"
- Modern design
- RF test function
- Easy installation
- 16 A switching capacity
- 5 Year Warranty

**Thermostat RT310SR**

- Power Supply: 2 x AA Batteries (inc.)
- Wireless Standard: 868 MHz
- Temp. Scale: 5°C to 35°C
- Hysteresis: +/-0.5°C
- Size (mm): B-98 H-98 T-30

**SR868**

- Power Supply: 230V AC 50Hz
- Max Current: 16A
- Wireless Standard: 868 MHz
- Size (mm): W-45 H-45 D-20

ERT20SR - Electronic Dial Thermostat

The ERT20SR is ideal for plug-in electric heaters. Due to its simple operation, the ERT20SR is ideal for anyone who wants to set the temperature traditionally with a dial.

The SR868 relay is the smallest receiver on the market with a 16A switching capacity. This allows you to regulate the complete range of single-phase plug-in electrical heaters.

The thermostat and the relay come pre paired in the box and can be used immediately.

**Thermostat ERT20SPE**

- Power Supply: 2 x AA Batteries (inc.)
- Wireless Standard: 868 MHz
- Operating temp: 5°C to 35°C
- Size (mm): W-96 H-95 D-27

**SR868**

- Power Supply: 230V AC 50Hz
- Max Current: 16A
- Wireless Standard: 868 MHz
- Size (mm): W-45 H-45 D-20
Connected | Electric Heating

RT310iSR - Internet Thermostat

The RT310i Smartphone controlled thermostat with features such as geo-location, heating / cooling, scheduling and holiday function. With pre-connected receiver for easy setup and programming via the APP. A simple, affordable smart thermostat that allows you to control your heating from anywhere with your smartphone, tablet or PC.

FEATURES
- Internet access via smartphone, Tablet or PC
- Preconfigured for “plug and play”
- Wall mounted or free standing
- Frequency 868 MHz
- Holiday function
- RF test function
- Local regulation
- Geo-location
- Heat cool
- Gateway Included
- 5 Year Warranty

RT310i Thermostat
- Power Supply: 2x AA Batteries
- Temp. Scale: 5 to 35 °C
- Size(mm): W-96 H-96 D-27

RT310i RX
- Power Supply: 230 V(AC)
- RX Rating Max: 16 (5) A
- RX Input/Output: 0 -230V
- Size(mm): W-130 H-95 D-65

Walk through tutorials on how to use the App.
Easy to use heating or cooling control.
Simple to modify heating schedules. Choose from ALL, 5/2 or INDIVIDUAL days.
Geo-location notifies when you are a set distance from home and asks if you would like to turn on your heating.
The SALUS Smart Home gateway is what connects your SALUS Smart Home devices together and when connected to any WiFi router allows control via Smartphone, Tablet or PC, using the SALUS Smart Home app.

**UG600 - Universal Gateway**

- **Power Supply:** 5V DC over USB
- **Wireless Standard:** 2.4GHz Zigbee
- **Operating Temp:** 0 to 50 °C
- **Size (mm):** Ø 88 D-56

**FEATURES**
- LED indication
- Connects all SALUS Smart Home products to the Smart Home app
- Ethernet connection
- 5 Year Warranty

**SQT600RF - Slim Thermostat**

The SALUS Quantum thermostat range will be available soon and is the latest addition to the SALUS Smart Home system. It is a slim surface mounted thermostat and is just 9mm thick. The SQT600RF will integrate with other home automation systems. Keep checking the website for details.

**HTRP-RF (50) - Digital Programmable Thermostat**

Simple to use and with a clear easy to read LCD display, the HTRP-RF(50) is perfect for users who want complete control over their underfloor heating system. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured. Time and heat schedules are also fully programmable to optimise control and minimise energy usage.

- **Power Supply:** 2 x AA Batteries
- **Scale:** 5°C to 32.5°C
- **Size (mm):** W-85 H-85 D-25

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRS-RF(30)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Fully programmable
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty
**HTRS-RF (30) - Digital Thermostat**

Simple to use and with a clear, easy to read LCD display, the HTRS-RF(30) is perfect for users who want to precisely control individual room temperature. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are assured.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Clear easy to read LCD
- Integrates with HTRP-RF(S0)
- Can be used as room thermostat in a system with other programmable SALUS thermostats
- ErP Rating IV
- Pre-set override temperatures
- Optional floor temperature sensor
- Battery operated
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Supply:</th>
<th>2 x AA Batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale:</td>
<td>5°C to 32.5°C</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-85 H-85 D-25</td>
</tr>
</tbody>
</table>

**HTR-RF (20) - Dial Thermostat**

Simple to use, the HTR-RF(20) is perfect for users who appreciate a traditional dial face and want minimal intervention in the heating system. With silent switching and TPI (Time Proportional & Integral) calibration, accuracy and efficiency are nevertheless assured.

**FEATURES**
- TPI (Time Proportional & Integral) ‘self-learning’ Functionality
- Traditional dial face
- Integrates with HTRP-RF(S0)
- ErP Rating IV
- Battery operated
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Supply:</th>
<th>2 x AA Batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale:</td>
<td>5°C to 32.5°C</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-80 H-80 D-30</td>
</tr>
</tbody>
</table>

**TS600 - Wireless Temperature Sensor**

The sleek and inobtrusive design makes the TS600 an ideal solution for locations which demand discrete controls while still ensuring optimum heating comfort. Likewise the remote only interface makes the TS600 Appstat perfect for managed properties that prefer to avoid local user intervention.

**FEATURES**
- Stylish, compact, surface mounted solution
- ‘Self-learning’ functionality time proportional and integral (TPI)
- LED indication
- Optional external sensor
- App Only Interface
- Clear and Easy to use
- Controls up to six SALUS Smart Radiator controls (TRVs) in a zone
- Control via the SALUS Smart Home App
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Supply:</th>
<th>2 x AA Batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Standard</td>
<td>2.4Ghz Zigbee</td>
</tr>
<tr>
<td>Scale:</td>
<td>5°C to 32.5°C</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-51 H-85 D-26</td>
</tr>
</tbody>
</table>

**SR600 - Smart Relay**

The SR600 relay is installed directly into a junction box or can be wall mounted using the optional SRS600 Surface mount bracket to create a hardwired semi-permanent control solution for lighting, heating or appliances. Offering an industry leading rated capacity of 16A the SR600 is suitable to control larger current devices such as electric heaters. Integrates wirelessly with the UG600 Universal connection gateway and can be controlled independently or in combination with other devices using the App Smart Rules function.

**FEATURES**
- Smart home solution for fixed wired devices
- 16 A max. switching capacity
- SALUS Smart Home integration
- Control via the SALUS Smart Home App
- 5 Year Warranty

<table>
<thead>
<tr>
<th>Power Supply:</th>
<th>230V AC 50Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Current:</td>
<td>16A</td>
</tr>
<tr>
<td>Wireless Standard</td>
<td>2.4Ghz Zigbee</td>
</tr>
<tr>
<td>Size (mm):</td>
<td>W-45 H-45 D-20</td>
</tr>
</tbody>
</table>