



# Product Catalogue

Heating products that define the market

**SALUS**  
CONTROLS

# 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 quickness and flexibility. Most importantly, we offer our customers fast service and exceptional professional support.



# Boiler<sup>+</sup>

SALUS Controls welcomes the UK government's newly introduced energy initiative commonly referred to as Boiler Plus. We believe that this is an important legislative step that will ensure homeowners receive the most effective and efficient domestic heating system to save maximum energy and cost.

## What is it?

- New legislation that came into effect in April 2018.
- Only applicable in England. Scotland, Wales and N. Ireland are excluded.
- Designed to improve energy efficiency in domestic heating systems.
- Applies to all new and replacement gas central heating systems installed from April 2018.
- Can influence the correct choice of SALUS heating control to install.



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## ErP Directive's Objectives

To improve energy efficiency and environmental protection the ErP Directive, which is a European legislation as part of CE marking, applies to products that affect energy consumption throughout their life cycle, from manufacture, use, and until their end of life. Heating systems fall under this directive and the features and functionality of the heating control unit have an impact upon its ErP rating (I to VIII.) At SALUS we have endeavoured to allow our controls to reach the highest possible rating without substantially impacting the overall cost of the product.

For more info go to [www.salus-controls.com/uk](http://www.salus-controls.com/uk) also find us on...



# A stat that ticks all the boxes...



Boiler Plus compliant thermostats to suit the homeowner and installer. Quick to install, simple to set up and easy to use.

- Boiler Plus Compliant
- Load Compensation (OpenTherm)
- Landlord PIN
- Service Mode
- Optimisation
- TPI
- Easy to Install
- 5 Year Warranty



# The RT520 Thermostat Range

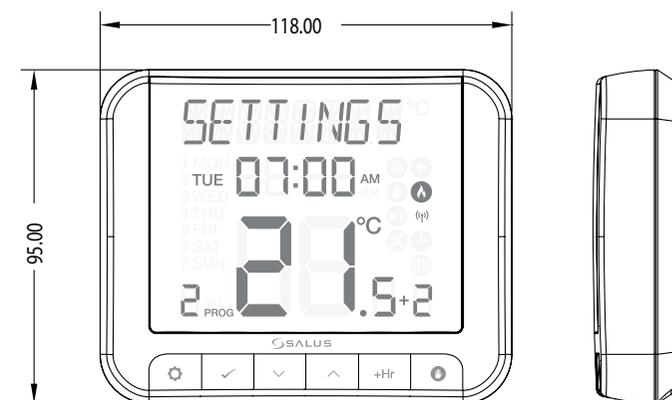
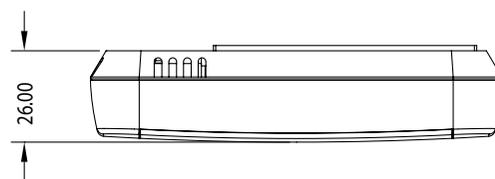
The RT520 and RT520RF are the latest additions to SALUS' tried and tested RT range of thermostat heating controls.

With a new on-board load compensation feature, they offer the most cost effective **fully compliant Boiler Plus solution** on the market providing the homeowner with optimum efficiency and maximum heating control comfort.

Available in both wired and wireless RF versions, the new RT520 series include all the features of the previous RT series with a larger more intuitive LCD display and a handy new suite of additional operational and efficiency functions.

**Take the thinking out of Boiler Plus.** We guarantee that by fitting this thermostat you will comply with the new regulations.

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):	B-95 H-118 T-26
Receiver Size (mm):	B-96 H-96 T-27



Features	Benefits
Load Compensation	Load Compensation is one of the 4 energy saving features that makes a system Boiler Plus compliant. Therefore the RT520 will be the most cost effective fully compliant thermostat option on the market. Taking the most commonly used OpenTherm protocol compatible with most new boilers sold in the UK, on board load compensation allows the homeowner to more efficiently manage their heating and reduce energy and costs.
Optimisation Functions	Optimum Start and Optimum Stop.
New Larger Clear easy to read LCD	Simple, quick and straightforward operation and setup for all users.
TPI (Time Proportional & Integral) 'self-learning' Functionality	More precise heating control with increased comfort and improved energy efficiency.
ErP Rating V	Improved ErP rating means better efficiency rating of the whole system and total cost reductions. ErP IV is a benchmark minimum for some EU markets.
Service Mode	Thermostat can be programmed to ensure home occupier is aware a boiler service is required and landlord can access to action.
Landlord PIN	PIN entry option for landlord/building owner only access to certain settings and menus.
Battery operated	Simple and quick to install with no 230v wires.
868Mhz Wireless (RT520 RF)	Wireless free installation, excellent range and pre-paired out of the box.
5 year warranty	For maximum peace of mind.

# Introducing the **NEW RT510RF+** Thermostat and Boiler Plug-Ins



Fully compliant with  
**Boiler Plus!**

We have improved the software in our popular RT510 range to now include **ITLC (Internal Temperature Load Compensation)** creating the **NEW RT510+** range of thermostats.



# Making them the only fully compliant Boiler Plus plug-ins on the market!

## RT510LG+5V+ Digital Programmable Thermostat & Receiver



Compatible with Ideal Logic Gen 2, Vogue and Zanussi Boilers. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

## RT510WBC+ Digital Programmable Thermostat & Receiver



Compatible with Worcester Bosch boilers. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

## RT510BC+



Digital programmable room thermostat with plug-in RF boiler receiver. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.



# Thermostat / Programmer Range

SALUS offer a complete range of programmers plus simple and fully programmable thermostats ensuring the right solution for every application and all user types.

Simple programmers allow the user to define when and for how long their heating and/or hot water will operate, with advanced options to control up to 3 separate heating zones.

Thermostats allow control based on the room temperature and let users adjust the temperature set point for more flexible comfort. Programmable Thermostats control the heating based on both room temperature and time scheduling for optimum accuracy and efficiency.

SALUS RF thermostats have the benefit of communicating wirelessly between the room thermostat and the boiler via a receiver, meaning that they can be installed quickly and without the fuss of a wired installation





**RT100**  
**Mechanical Room Thermostat**

The RT100 mechanical room thermostat is widely used in commercial, industrial and residential buildings. Suitable for controlling room temperature, easy to install, accurate sensitivity and reliability.

**FEATURES**

- Switching volt free and 230V
- Simple control
- 2 wire installation
- Suitable for replacement market
- Change over contacts

Supply:	0 - 230V
Rating Max:	1 A SPDT
Scale:	10 to 30°C
Size (mm):	W-73 H-73 D-38

**Wiring**

NC	Switched output
COM	Live input
NO	Switched output



**RT200**  
**Electronic Room Thermostat**

Easy to use electronic room thermostat provides accurate temperature control for all central heating applications.

**FEATURES**

- Can only be used for 230V applications.
- Stylish appearance
- Simple operation
- LED indication for heating demand
- Industry standard back plate for ease of installation

Supply:	230V AC 50Hz
Rating Max:	3 (1) A SPST
Output:	230V AC 50Hz
Scale:	5 to 35°C
Size (mm):	W-95 H-95 D-40

**Wiring**

N	Neutral connection
L	Live connection
SL	Switch live output
⊥	Earth



**RT310**

The RT310 is a stylish, simple to install and use wired room thermostat.

**FEATURES**

- Switching volt free and 230V
- Sleep Mode
- Frost Protection
- 5 Year Warranty
- Simple Operation
- Contemporary design
- Easy Installation

Supply:	2 x AA Batteries
Switching Max:	3 (1) A SPST
Input/Output:	0 - 230V
Scale:	5 to 35°C
Size (mm):	W-96 H-96 D-27

**Wiring**

L	Input
SL	Switch output
⊥	Earth



**RT510+**

The RT510+ is a stylish, simple to install and use wired fully programmable room thermostat with a range advanced features. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

**FEATURES**

- Switching volt free and 230V
- Sleep Mode
- Programmable time and temperature scheduling
- Frost Protection
- 5 Year Warranty
- Simple Operation
- Manual mode on thermostat to disable schedule
- Heating Boost Mode
- Holiday Mode
- Contemporary design
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

Supply:	2 x AA Batteries
Switching Max:	3 (1) A SPST
Input/Output:	0 - 230V
Scale:	5 to 35°C
Size (mm):	W-120 H-96 D-27

**Wiring**

L	Input
⊥	Earth
SL	Switched output



**RT520**

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-118 H-95 D-26

**Wiring**

L	Input
⊥	Earth
SL	Switched output
A and B	OpenTherm



**FT100  
Frost Thermostat**

Electronic thermostat for frost protection.

**FEATURES**

- Can only be used for 230V applications.
- LED indicator for heating demand
- Large dial
- Simple operation
- Tamper proof cover

Supply:	230V AC 50Hz
Rating Max:	3 (1) A SPST
Output:	230V AC 50Hz
Scale:	-10 to 20°C
Size (mm):	W-95 H-95 D-40

**Wiring**

N	Neutral connection
L	Live connection
SL	Switch live output
⏏	Earth



**EP110  
Single Channel Programmer**

Easy to use and stylish digital timer for single channel system applications.

**FEATURES**

- Switching volt free and 230V
- Timed control for central heating or hot water
- 3 On/Off periods
- Large, easy to read LCD
- Holiday function
- Advance function
- Boost function
- Simple installation
- Default program
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	3 (1) A SPDT
Output:	0 - 230V
Size (mm):	W-120 H-98 D-27

**Wiring**

N	Neutral connection
L	Live connection
(1)	NC terminal
(3)	Switched output NO
(4)	Common connection



**EP210  
2 Channel Programmer**

2 channel programmer for timed control of central heating and hot water in a domestic system.

**FEATURES**

- Can only be used for 230V applications.
- Individual control of central heating and hot water
- 3 On/Off periods
- Large, easy to read LCD
- Holiday function
- Advance function
- Boost function
- Simple installation
- Default program
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	3 (1) A SPDT
Output:	230V
Size (mm):	W-120 H-98 D-27

**Wiring**

N	Neutral connection
L	Live connection
(1)	Hot water OFF
(2)	Central heating OFF
(3)	Hot water ON
(4)	Central heating ON



**EP310  
3 Channel Programmer**

3 Channel programmer with two individual timed heating zones and one timed hot water zone in a domestic system.

**FEATURES**

- Can only be used for 230V applications.
- Time control for the two heating zones and hot water zone
- 3 On/Off periods
- Large, easy to read LCD
- Holiday function
- Advance function
- Boost function
- Simple installation
- Default program
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	3 (1) A SPDT
Output:	230V AC 50Hz
Size (mm):	W-120 H-98 D-27

**Wiring**

N	Neutral connection
L	Live connection
(1)	Hot water OFF
(2)	Central heating zone 1 OFF
(3)	Hot water ON
(4)	Central heating zone 1 ON
(5)	Central heating zone 2 ON
(6)	Central heating zone 2 OFF



## ERT20RF

### Electronic Thermostat with RF

The ERT20RF from SALUS Controls is a stylish and accurate dial thermostat. This thermostat has been specifically designed to be used for both Volt Free and AC heating applications.

#### FEATURES

- Switching volt free and 230V
- Wall mount thermostat
- User friendly dial
- Simple to use
- 16 amp relay switching
- LED Indication

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 30°C
Thermostat Size(mm):	W-80 H-80 D-26
Receiver Size (mm):	W-130 H-95 D-65

#### RF Receiver Wiring

N	Neutral connection
L	Live connection
COM	Input
NO	Switched output



## RT310RF

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

#### FEATURES

- Switching volt free and 230V
- Sleep Mode
- Frost Protection
- Desk Stand
- 5 Year Warranty
- 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

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

#### RF Receiver Wiring

N	Neutral connection
L	Live connection
COM	Input
NO	Switched output



## RT510RF+

The RT510RF is a stylish, simple to install and use wireless RF fully programmable room thermostat. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

#### FEATURES

- Switching volt free and 230V
- Sleep Mode
- Programmable
- Frost Protection
- Desk Stand
- 5 Year Warranty
- Simple Operation
- Frequency 868 MHz with 30 metre range
- 16 amp relay switching
- Manual mode
- RF Test Function
- Pre-paired wireless communication, so no more dip switches!
- Heating Boost Mode
- Holiday Mode
- Receiver manual override switch
- Contemporary design
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

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

#### RF Receiver Wiring

N	Neutral connection
L	Live connection
COM	Input
NO	Switched output



## RT520RF

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

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-118 H-95 D-26
Receiver Size (mm):	W-96 H-96 D-27

#### RF Receiver Wiring

N	Neutral connection
L	Live connection
COM	Input
NO	Switched output
A and B	OpenTherm



### RT510BC+

Digital programmable room thermostat with plug-in RF boiler receiver. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

#### FEATURES

- Sleep Mode
- Programmable
- Frost Protection
- Desk Stand
- 5 Year Warranty
- Simple Operation
- Plug-in boiler receiver
- LED status indicator
- Frequency 868 MHz with 30 metre range
- Manual mode
- Pre-paired wireless communication, so no more dip switches!
- Heating Boost Mode
- Holiday Mode
- Contemporary design
- RF Test Function
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

Thermostat Supply:	2 x AA Batteries
Receiver (RX) Supply:	230V AC 50Hz
RX Rating Max:	5 (1) 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-58 H-58 D-30

#### Internal Boiler Connections

1	Neutral connection
2	Live connection
3	Com input
4	Switched Output

See compatibility chart page 18



### RT510LG+5V+

**Digital Programmable Thermostat & Receiver**  
Compatible with Ideal Logic Gen 2, Vogue and Zanussi Boilers. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

#### FEATURES OF THERMOSTAT

- Sleep Mode
- Programmable time and temperature scheduling
- Frost Protection
- 5 Year Warranty
- Simple Operation
- Manual mode on thermostat to disable schedule
- Heating Boost Mode
- Holiday Mode
- Contemporary design
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

#### FEATURES OF RECEIVER

- Plug in connections
- Volt free contacts
- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range

Thermostat Supply:	2 x AA Batteries
Receiver Supply:	5V DC
Switching Max:	3 (1) A SPST
Receiver Output:	5V DC
Scale:	5 to 35°C
Thermostat Size (mm):	W-120 H-96 D-27
Receiver Size (mm):	W-129 H-84 D-30



### RT510WBC+

**Digital Programmable Thermostat & Receiver**  
Compatible with Worcester Bosch boilers. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

#### FEATURES OF THERMOSTAT

- Sleep Mode
- Programmable time and temperature scheduling
- Frost Protection
- 5 Year Warranty
- Simple Operation
- Manual mode on thermostat to disable schedule
- Heating Boost Mode
- Holiday Mode
- Contemporary design
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

#### FEATURES OF RECEIVER

- Plug in connections
- LED status indication
- Manual override control
- Frequency 868 MHz with 30 metre range

Thermostat Supply:	2 x AA Batteries
Receiver Supply:	24V DC
Switching Max:	3 (1) A SPST
Receiver Output:	24V DC
Scale:	5 to 35°C
Thermostat Size (mm):	W-120 H-96 D-27
Receiver Size (mm):	W-130 H-108 D-25

See compatibility chart page 18



### ST620WBC

**Digital Programmable Thermostat & Receiver**  
Stylish digital programmable room thermostat with plug in radio frequency boiler control and revolutionary touch ring for easy setting and simple control. Compatible with Worcester Bosch boilers.

#### FEATURES OF THERMOSTAT

- Touch ring technology
- Large LCD with white back-light
- Stylish casing
- Battery powered with replacement indicator
- Frost protection
- Built-in start up programming for quick installation
- Frequency 868 MHz with 30 metre range

#### FEATURES OF RECEIVER

- Plug in connection
- LED status indication
- Manual override control

Thermostat Supply:	2 x AA Batteries
Receiver Supply:	24V DC
Switching Max:	3 (1) A SPST
Receiver Output:	24V DC
Scale:	5 to 35°C
Thermostat Size (mm):	W-111 H-111 D-30
Receiver Size (mm):	W-130 H-108 D-25

See compatibility chart page 18



# Mix & Match Range

SALUS Mix and Match range allows the user to choose the thermostat that best fits their requirements with the receiver most appropriate for their boiler type, including the 2-minute install plug-in units



RT510TX+



iT500BM



RXBC605



RXWBC605



LG+5V



RXRT510



RXVBC605



SR868

Mix & Match Range



### RT510TX+

The RT510TX+ is a stylish, simple to install and use wireless RF fully programmable room thermostat that can be paired with a range of compatible receivers. With built in ITLC (Internal Temperature Load Compensation) it is fully compliant with Boiler Plus.

#### FEATURES

- Sleep Mode
- Programmable time and temperature scheduling
- Frost Protection
- Desk Stand
- 5 Year Warranty
- Simple Operation
- Frequency 868 MHz with 30 metre range
- Manual mode on thermostat to disable schedule
- Heating Boost Mode
- Holiday Mode
- Manual override
- Contemporary design
- RF Test Function
- Easy Installation
- ITLC (Internal Temperature Load Compensation)
- Boiler Plus Compatible

Supply:	2 x AA Batteries
Scale:	5 to 35°C
Size (mm):	W-120 H-96 D-27



### iT500BM

#### Digital Internet Thermostat

Digital room thermostat with large back-light LCD display and volt free contacts.

\*Can only be used with RXVBC605, RXWBC605, RXBC605, RXBC5V and LG+5V

#### FEATURES

- Wall or surface mount thermostat
- Touch controls
- Heat/Cool
- Built-in start up programming for quick installation
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	2 x AA Batteries
Scale:	5 to 35°C
Size (mm):	W-128 H-95 D-30



### SR868

#### 868Mhz Wireless Relay

The SR868 is a wireless 16A relay that pairs with and is controlled by our RT range of Thermostats, it is designed to be compact enough to fit in the smallest wallbox making it perfect for use in electrical heating applications. The 16A capacity allows the SR868 to handle devices with a larger demand such as electric heaters. SR868 is sold alone or as a pack with RT310RF, RT510RF, RT310i Thermostats.

#### FEATURES

- Industry leading 16A max current
- Wireless communication
- Compact Size
- Internet connectable (RT310iSR)

Power Supply:	230 V AC 50Hz
Max Current:	16 (5) A
Wireless Standard:	868 MHz
IP Rating	IP30
Size (mm):	W-45 H-45 D-26



### RXRT510

#### Receiver

Standard RF boiler receiver compatible with most common boilers and any Thermostat in the Mix and Match Range (except the iT500BM).

Can be used for volt free and 230V applications.

#### FEATURES

- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	16 (5) A SPST
Input/ Output:	0 to 230V
Size (mm):	W-96 H-96 D-27

#### Wiring

L	Live connection
N	Neutral connection
COM	Input
NO	Switched output



**RXBC605**  
**Plug-in Receiver**

RF Receiver compatible with any thermostat in the Mix & Match range.

**FEATURES**

- Plug in connections
- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	5 (1) A SPST
Output:	0 - 230V
Size:	W-58 H-58 D-30

**Internal boiler connections**

1	Neutral connection
2	Live connection
3	Live in
4	Switched output

**Optional Boiler Plate BBP1**  
For BAXI 100, 200, 300 & 400 Range



See compatibility chart page 18



**RXBC5V**  
**Plug-in Receiver**

**FEATURES**

- No additional wiring or power supply
- Plug and play format 2-minute installation
- 5 Year Warranty

Terminal	Identifier	Description
1	DC+	5V DC+
2	DC-	5V DC-
3	COM	Common input
4	NO	Normal open
5	NC	Normal closed

Supply:	5V DC
Switching Max:	3 (1) A SPST
Output:	5V DC
Size:	W-58 H-58 D-30



**LG+5V**  
**Plug-in Receiver with bezel & wiring loom**  
Compatible with Ideal Logic Gen 2, Vogue and Zanussi Boilers.

**FEATURES**

- Plug in connections
- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Terminal	Identifier	Description
1	DC+	5V DC+
2	DC-	5V DC-
3	COM	Common input
4	NO	Normal open
5	NC	Normal closed

Supply:	5V DC
Switching Max:	3 (1) A SPST
Output:	5V DC
Size:	W-120 H-96 D-27



**RXVBC605**  
**Plug-in Receiver**

RF Receiver is compatible with Vaillant boilers and can be used with any thermostat in the Mix & Match range.

**FEATURES**

- Plug in connections
- LED status indication
- Manual override control
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Receiver Supply:	24V DC
Receiver Output:	24V DC
Size:	W-145 H-98 D-20

See compatibility chart page 18



**RXWBC605**  
**Plug-in Receiver**

RF Receiver is compatible with Worcester Bosch boilers and can be used with any thermostat in the Mix & Match range.

**FEATURES**

- Plug in connections
- LED status indication
- Manual override control
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	24V DC
Output:	24V DC
Size:	W-130 H-108 D-25

See compatibility chart page 18

# Compatibility Chart

	<b>ALPHA</b>	<b>BAXI</b>	<b>HALSTEAD</b>	<b>POTTERTON</b>	<b>VOKERA</b>	<b>MAIN</b>	<b>IDEAL</b>	<b>SIME</b>	<b>BIASI</b>
<b>RT510BC</b> <b>RXBC605</b>	CB Range	Duo Tec HE	Ace	Performa HE	Linea	25 Eco	i-combi	Ecofort HE	Advance Plus Combi
	CD Range	Platinum HE	Ace High	Promax HE Plus	Linea HE	30 Eco	Pro-combi		
	HE Range	Instant 105E	Finest Platinum	Gold HE	Mynute HE	System 24 Eco	i-mini		
	Intech C	Maxflow WM	Eden CB	Suprema HE	Mynute EHE	System 28 Eco	Esprit		
	Intech GS	130 HE	Quatro Gold	Heatmax Combi HE	Synergy	30 HEw			
	Eco Combi	133 HE			Hydra	Eco Elite			
		EcoBlue + Combi			Maxin				
	EcoBlue Advance Combi			Compact HE					

	<b>WORCESTER BOSCH</b>
<b>RXWBC605</b> <b>RT510WBC</b> <b>ST620WBC</b>	Greenstar i Range
	Greenstar CDi Clasic Combi Range
	Greenstar CDi Compact Combi Range
	Greenstar Si Compact Range
	Greenstar Highflow CDi Combi Range

	<b>VAILLANT</b>
<b>RXVBC605</b>	ecoTEC Pro Range
	ecoTEC Plus Range
	ecoTEC Exclusive Range
	ecoTEC Pure Range

	<b>LG+5V</b>
	Logic + Models
	Vogue



# Internet Thermostat Range

SALUS Internet connected thermostats allow the user the flexibility and convenience of setting and controlling their heating from anywhere via a Smartphone, Tablet or PC.



Internet Thermostats

# iT500

## Smartphone Controlled Thermostat

iT500 Smartphone controlled thermostat with options for heating and hot water control or 2 heating zones.

- Access and control your heating and hot water via the Internet
- Compatible with your Smartphone, Tablet or PC
- Your Smartphone, Tablet or PC connects to the system using your existing broadband connection
- The internal system uses 868 MHz for robust communication
- System is secure and energy efficient
- The system is wireless so it's easy to install
- 3 possible system configurations

### Features

- Switching 230V
- 2 x Volt Free Outputs
- Internet control via Smartphone, Tablet or PC
- Local control
- Wall or desk mounted thermostat
- Touch controls on thermostat
- Frequency 868 MHz
- Suitable for heating or cooling applications
- 5 Year Warranty



1x

One central heating zone only.

1



2x

Two central heating zones.

2



1x

One central heating zone plus hot water.

3



### Included in the box

Thermostat		Receiver	
Supply	2 x AA Batteries	Supply	230V AC 50Hz
Scale	5 to 35°C	Switch Rating	16 (5) amp
Gateway		AUX (CH2/HW)	5 (2) amp
Supply	5V (adaptor included)	Output	0-230V
Ethernet cable included			

### Sensor (optional extra)

Supply 2 x AAA Batteries

iT300 Sensor\* for use with two zone central heating

See example 2





**RXBC605**  
Plug-in Receiver

**FEATURES**

- Plug in connections
- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	230V AC 50Hz
Rating Max:	5 (1) A SPST
Output:	0 - 230V
Size:	W-58 H-58 D-30

**Internal boiler connections**

1	Neutral connection
2	Live connection
3	Live in
4	Switched output

**Optional Boiler Plate BBP1**  
For BAXI 100, 200, 300 & 400 Range



See compatibility chart page 18



**RXBC5V**  
Plug-in Receiver

**FEATURES**

- No additional wiring or power supply
- Plug and play format 2-minute installation
- Control your boiler using a Smartphone, Tablet or PC via the app (iT500)
- 5 Year Warranty

Terminal	Identifier	Description
1	DC+	5V DC+
2	DC-	5V DC-
3	COM	Common input
4	NO	Normal open
5	NC	Normal closed

Supply:	5V DC
Output:	5V DC
Size:	W-58 H-58 D-30

# iT500BM

For combination boilers only.  For one central heating zone only.



The iT500BM can be used with any of the receivers on this page. Giving you more choice and freedom to control your heating from anywhere.

## Can be used with any of these receivers...



**LG+5V**  
Plug-in Receiver with bezel & wiring loom  
Compatible with Ideal Logic Gen 2, Vogue and Zanussi Boilers

**FEATURES**

- Plug in connections
- Manual override control
- LED status indication
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Terminal	Identifier	Description
1	DC+	5V DC+
2	DC-	5V DC-
3	COM	Common input
4	NO	Normal open
5	NC	Normal closed

Supply:	5V DC
Output:	5V DC
Size:	W-129 H-84 D-30



**RXVBC605**  
Plug-in Receiver  
Compatible with Vaillant boilers

**FEATURES**

- Plug in connections
- LED status indication
- Manual override control
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	24V DC
Output:	24V DC
Size:	W-145 H-98 D-20

See compatibility chart page 18



**RXWBC605**  
Plug-in Receiver  
Compatible with Worcester Bosch boilers

**FEATURES**

- Plug in connections
- LED status indication
- Manual override control
- Frequency 868 MHz with 30 metre range
- 5 Year Warranty

Supply:	24V DC
Output:	24V DC
Size:	W-130 H-108 D-25

See compatibility chart page 18

Internet Thermostats

# RT310i Single Zone

## Smartphone Controlled Thermostat

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
- 5 Year Warranty

### Thermostat RT310i

Supply	2 x AA Batteries
Scale	5 to 35°C

### Gateway

Supply	2 x AA Batteries
	Ethernet cable included

### Receiver

Supply	230V RF
Switch Rating	16(5) Amp SPST
Output	0-230V



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.





# SALUS Smart Home

## MAKING LIFE SIMPLE

### SALUS Smart Home Range

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.



Download on the App Store

GET IT ON Google Play



# Control multiple rooms in your home from anywhere, via your Smartphone, Tablet or PC...

Smart Home





### UG600

#### Universal Gateway

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.

#### FEATURES

- LED indication
- Connects all SALUS Smart Home products to the Smart Home app
- Ethernet connection

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



### HTR-RF(20)

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

Supply:	2 x AA Batteries
Scale:	5°C to 32.5°C
Size (mm):	W-80 H-80 D-30

#### Jumpers

Switch	Characteristic	ON	OFF
VP	Valve protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TPI	TPI control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
⊕	NSB function (2° or 4°)	<input checked="" type="checkbox"/>	4°C
CO	Heat /Cool		Deactivate



### HTRS-RF(30)

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

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



### HTRP-RF(50)

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

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

#### Accessory FS4000 External Underfloor Heating Sensor



### TS600

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

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



### FC600 Fancoil Thermostat

The SALUS FC600 allows you to reduce energy consumption whilst providing efficient temperature and thermal comfort in places where it is required. Integrates with other products in the SALUS Smart Home range.

Power Supply:	230V AC
Control outputs: -Fan speed control (I, II, III gear) -Valve actuator (cooling/ heating)	230V AC
Wireless Standard:	2.4Ghz Zigbee
Temperature range:	5 to 40°C
Size (mm):	W-86 H-86 D-42

#### Wiring

L	230 V AC Live input
N	230 V AC Neutral input
V1	4 pipe: for Hot Water valve output 2 pipe: for Heating or Cooling valve output
V2	4 pipe: for Chilled water valve output 2 pipe: no need to wire the V2 output
F1	Fan Speed control (Low level)
F2	Fan Speed control (Medium level)
F3	Fan Speed control (High level)
S1	Heat/Cool changeover or pipe sensor
S2	Occupancy sensor or external sensor
COM	Common Terminal



### TRV10RFM

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

Power Supply:	2 x AA Batteries
Size (mm):	W-52 H-85 D-52

#### Accessory

##### TP28-30 Tamper proof jacket

Can be used to prevent unauthorised removal of device. Perfect for use in schools & offices.



### RX10RF Boiler Receiver

The SALUS System receiver can be used as part of the SALUS Smart Home system as an external boiler switch. The receiver can be used with the TRV10RFM.

#### FEATURES

- Switching volt free and 230V
- Manual Mode
- LED indicators
- Can be used as boiler receiver or individual zones receiver

Power Supply:	230V AC 50Hz
Rating Max:	16 (5) A SPST
Input/Output:	0 - 230V
Size (mm):	W-145 H-100 D-35

#### Wiring

L	Live connection
N	Neutral connection
⊕	Earth
COM	Input
NO	Switched output



### SD600 Smoke Detector

The SD600 is a smart photoelectric smoke sensor, with ultra-low-power Zigbee wireless network technology. Once smoke has been detected the red LED flashes rapidly and sounds the alarm alerting you and your family. It can also send you an alert via email or text message when used with the SALUS Smart Home system. For an internet connection (Online Mode), SD600 must be used with the Universal Gateway UG600 and the SALUS Smart Home App. You can also use SD600 without an internet connection (Offline Mode).

Power Supply:	1x CR123A Battery (incl.)
Wireless Standard:	Zigbee 2.4 GHz HA1.2
Battery Life:	5 Years
Size (mm):	W-60 H-50 D-60



### WLS600 Water Leak Sensor

The new SALUS WLS600 Water Leak Sensor is designed to detect the presence of water. This can be done using the main sensor directly or via the remote sensing lead included. The unique design allows vertical or horizontal fitting. WLS600 must be used with the Universal Gateway UG600 and the SALUS Smart Home App.

Power Supply:	1x CR2 Battery (incl.)
Wireless Standard:	Zigbee 2.4 GHz HA1.2
Battery Life:	5 Years
Size (mm):	Ø-55 H-25



**OS600**  
**Window/Door Sensor**

The OS600 window sensor is a small, 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

Power Supply:	1 x CR3032 Battery (500mAH, 3V)
Wireless Standard	2.4Ghz Zigbee
Operating Temp:	0 to 40 °C
Sensor Size (mm):	W-55 H-40 D-12
Magnet Size (mm):	W-55 H-16 D-12



**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

Power Supply:	1 x CR2 3V Battery
Wireless Standard	2.4Ghz Zigbee
Operating Temp:	0 to 40 °C
Sensor Size (mm):	W-20 H-70 D-15
Magnet Size (mm):	W-10 H-40 D-10



**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

Power Supply:	230V AC 50Hz
Wireless Standard:	2.4Ghz Zigbee
Amp rating:	13A
Operating temp:	-10°C to 50°C
Size (mm):	W-49 H-60 D-36



**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**  
**Protective 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.

Power Supply:	2 x AAA Batteries
Wireless Standard:	2.4Ghz Zigbee
Size (mm):	W-59 H-68 D-23



**RS600  
Roller Shutter**

The RS600 double output relay is part of the SALUS Smart Home System. This product was originally designed to be used for Rollershutters only, but this device can do so much more, giving the homeowner various options. It gives the homeowner the possibility to control any devices that require two outputs, for example Window Shutters, Garage Doors, Gates, Motorised Curtains or Lights. All this from anywhere via the Smart Home App and making use of the OneTouch rules.

Power Supply:	230V AC 50Hz
Max Current:	2x 5A (2)
Wireless Standard:	2.4Ghz Zigbee HA1.2
Size (mm):	W-45 H-45 D-20

**Accessory SRS600** (sold separately)  
**Smart Relay Surface Mount Bracket**



**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.

Power Supply:	230V AC 50Hz
Max Current:	16A
Wireless Standard:	2.4Ghz Zigbee
Size (mm):	W-45 H-45 D-20

**Wiring**

COM	Common terminal
NO	Switch terminal
L	Power supply 230V AC
N	Power supply 230V AC
S1/ S2	Switch input terminals

**Accessory SRS600** (sold separately)  
**Smart Relay Surface Mount Bracket**



**RE600  
Repeater**

The SALUS Smart Home RE600 repeater is a simple device that connects wirelessly with the Universal Gateway to integrate as part of the Smart Home system. If you have a black spot – an area in your home where you can't access the ZigBee signal from the gateway - or there's a problem with the range of your ZigBee signal, the RE600 repeater can help you get connected in that part of your home, by extending the range of the signal. The RE600 comes with the SRS600 wall mount.

Power Supply:	230V AC 50Hz
Wireless Standard:	2.4Ghz Zigbee
RE600 Size (mm):	W-45 H-45 D-20
SRS600 Size (mm):	W-84 H-84 D-28

**Accessory SRS600** (included)  
**Repeater Surface Mount Bracket**



**ECM600  
Electric Monitor**

The SALUS electricity monitor can easily monitor single or 3 phase electricity supplies via the SALUS Smart Home app on your Smartphone, Tablet or PC. Must be used in conjunction with the SALUS Smart Home gateway.

**FEATURES**

- Can be configured for single or 3 phase
- Configuration done via the Smart Home app
- In single phase mode it can measure overall electric consumption + 3 additional zones
- Hourly/weekly/monthly usage display
- Easy installation –  
No engineer/electrician required
- Simple clamp system clamped around existing electricity cables at main fuse board

Power Supply:	4 x AA Battery (2200mAH, 6V)
Wireless Standard:	2.4Ghz Zigbee
Operating Temp:	-10 to 50 °C
Size (mm):	W-120 H-110 D-38

# Our Smart Home products are available in **4 easy to set up Starter Packs**

**1**

## Base Pack - SH-BASE

Includes: 1x UG600 Universal Gateway, 1x RX10RF Boiler Receiver and 1x HTRS-RF(30) Thermostat

Use this pack if you want single zone heating control in your property. Control can be remotely from your Smartphone, Tablet or PC or locally from the thermostat. The heating system can be extended at any time by adding additional pack 4's to upgrade from a single zone system to a multiple, independently controlled zone system.



**2**

## Heating Starter Pack - SH-HEAT

Includes: 1x UG600 Universal Gateway, 1x RX10RF Boiler Receiver, 1x HTRS-RF(30) Thermostat and 1 x TRV10RFM Smart Radiator Control

Use this pack if you want to test what it is like to control the temperature in one room of your property independently to the rest of the property. Once you see the benefits of individual room temperature control you can add additional zoning packs to give you a complete individual room controlled system. All rooms can be controlled remotely from your Smartphone, Tablet or PC or locally from the thermostat.



**3**

## Electric Starter Pack - SH-ELEC

Includes: 1x UG600 Universal Gateway, 1x ECM600 Electric Monitor and 1x SP600 Smart Plug

Use this pack if you want to monitor electrical usage and control 1 electrical device or appliance in your property. Through the Smart Home App you can see daily, weekly and monthly electric consumption and with the Smart Plug you can schedule on/off times or control that device remotely from your Smartphone, Tablet or PC from anywhere. The system can be extended at any time by adding additional products from the SALUS Smart Home range.



**4**

## Zoning Pack- SH-TRV

Includes: 1x HTRS-RF(30) Thermostat and 1 x TRV10RFM Smart Radiator Control (Must be used with SALUS Universal Gateway UG600)

Use this pack if you want to extend any of the packs 1, 2 or 3 to either single or multi zone heating. Each additional zone can be controlled remotely from your Smartphone, Tablet or PC or locally from the thermostat.



All of our starter packs can be **extended** with other products from the **Smart Home** range:

### SD600

Smoke Detector

Add these to your Smart Home system and prevent the unthinkable happening. You will receive alerts when when smoke is detected.



### SW600

Slim Window/Door Sensor

Add these to your Smart Home system and you can monitor and receive alerts when doors or windows are opened or closed. Use this version if you are limited to space on the door or window frame.



### SB600

Smart Button

Add this to your Smart Home system and you can set up rules that are triggered by the button. For example - turn all downstairs lights on/off or turn heating on for 1 hour boost.



### WLS600

Water Leak Sensor

Add this to your Smart Home system for peace of mind. You will receive alerts when water is detected by the sensors.



### SP600

Smart Plug

Add these to your Smart Home system and you can control individual electrical appliance from anywhere via your Smartphone, Tablet or PC. For example - Start the washing machine when you set off from work so that it is ready for drying when you arrive home.



# MD22A / MD22AWO MAG Defender

Now With 5 Year Warranty

Central heating systems should be cleaned when commissioned or when a new boiler is installed within an existing system. Cleaning and flushing protects against mineral oil contamination and removes harmful flux residues and installation debris, which can cause corrosion. The removal of black sludge (iron oxide) and limescale improves circulation and reduces fuel wastage and boiler noise.

SALUS Mag Defender, is an ultra-high efficiency, full-flow magnetic filter that cleans and protects hydronic heating systems by removing the black sludge and particles. Additional protection can be afforded with the use of SALUS' range of inhibiting, sludge removing and cleaning liquids.

## FEATURES

- Simple installation & servicing
- Immediate results & system protection
- No running costs
- Energy saving
- 500ml capacity nylon enclosure
- Compression nylon cap with EPDM "O" ring for a perfect seal
- 20mm diameter removable neodymium magnet
- Top mounted air vent
- Vertical, base mounted ½" drain valve
- 22mm isolation valves supplied
- Easy removal of magnet
- 5 year warranty

MD22A



MD22AWO  
(WITHOUT INHIBITOR)



5  
YEAR  
WARRANTY

**MAG**  
DEFENDER

Accessories

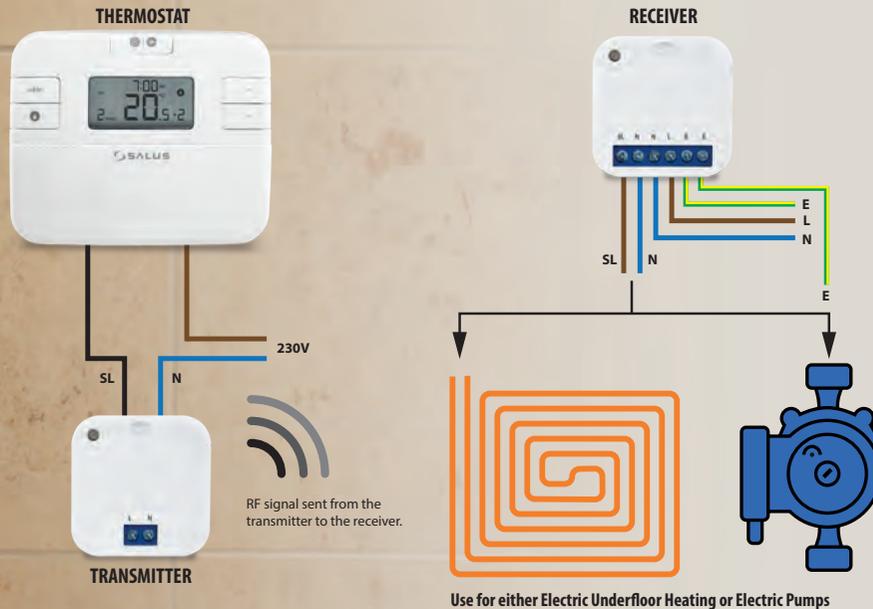
# Save Time and Cost of Running Wires!

Do you need to control an electrical appliance but don't want to or can't run a wire? Then we have the perfect solution for you.

## The RF Main Switch from SALUS!

You simply connect the transmitter to your thermostat and the receiver to your electric towel heater or pump and you will have control via a wireless RF signal.

- Can be used for any heating or electrical requirement up to 1000W.
- Can be used for any domestic environment where you don't want to run wires.
- Easy installation.



In the example above we show a thermostat connected to the SALUS Main Switch transmitter. When the thermostat calls for heat it sends an RF signal to the receiver which then turns on either the Electric Underfloor heating or the Electric pump depending on the system.

# Energy Saving A Rated Circulating Pump

Models: MP100A & MP200A

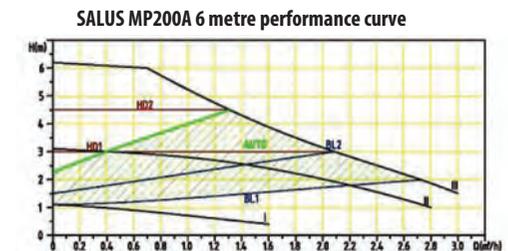
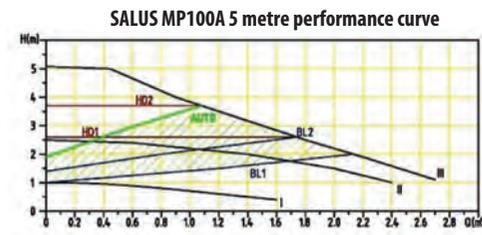
SALUS MPA series circulation motor pump is mainly used in domestic heating and hot water systems.

This pump is equipped with permanent magnet motor and differential pressure controller, capable of automatically & continuously adjusting motor performance to meet the actual needs of the system.

This pump is equipped with a control panel on the front for easy operation by users.

Voltage	230V 50Hz
Protection Grade:	IP42
MP100A:	5M Head Max
MP200A:	6M Head Max

Wiring - MP100A & MP200A	
L	Live Connection
N	Neutral Connection
E	Earth Connection



## FEATURES

- Meets EuP legislative demands
- Energy efficient pump for significant energy savings
- Variable and fixed speed operation - one pump for all jobs
- Plug and Pump - no need to open terminal box
- Comes pre-wired
- 5 year warranty



MP100A 3- 5 Metre Head

MP200A 4- 6 Metre Head



### PMV22/28

**2 Port Motorised Valve available in 22 & 28mm**  
Premium Motorised Valve used for domestic central heating and hot water systems.

#### FEATURES

- Industry colour coded wiring with 1m cable
- Detachable head
- Compatible with Honeywell bodies

Supply:	230V AC 50Hz
Rating Max:	6 (2) A
Output:	230V AC 50Hz
Size (mm):	W-88 H-110 D-65

#### Wiring

Brown	Switched Live
Blue	Neutral
Yellow/Green	Earth
Grey	Permanent live
Orange	Switched output



### PMV32/38

**3 Port Motorised Valve available in 22 & 28mm**  
Premium Motorised Valve used for domestic central heating and hot water systems.

#### FEATURES

- Industry colour coded wiring with 1m cable
- Detachable head
- Compatible with Honeywell bodies

Supply:	230V AC 50Hz
Rating Max:	6 (2) A
Output:	230V AC 50Hz
Size (mm):	W-88 H-122 D-65

#### Wiring

Blue	Neutral
Yellow/Green	Earth
White	Heating ON
Grey	Hot Water OFF
Orange	Switched output



### CT100

**Pipe/Cylinder Thermostat**  
Surface mounted mechanical thermostat for control of a domestic hot water cylinder.

#### FEATURES

- Compatible with foam lagged cylinders
- Can be used as pipe thermostat

Supply:	230V AC 50Hz
Rating Max:	16 (4) A SPDT
Output:	230V AC 50Hz
Scale:	40 to 80°C
Size (mm):	W-88 H-122 D-65

(1)	Normally open (NO)
(2)	Normally closed (NC)
C	Live connection



### TC100

**Wiring Centre**  
Can be used in all heating applications with links for S & Y plan systems.

#### FEATURES

- Easy to use
- Simplifies wiring
- Large terminals
- Manufactured in flame-retardant plastic
- Suitable for all heating systems

Max Supply:	230V AC
Terminals:	16 Terminals
Size (mm):	W-230 H-127 D-42



### BPV100

#### Automatic Bypass Valve

Automatic bypass valve for domestic heating system.

#### FEATURES

- Improves efficiency
- Cuts out system noises
- Maintains flow rates
- Perfect for low water content systems
- Available in 22mm only

Size (mm):	W-105 H-50 D-22
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### TRV31LS10

#### Thermostatic Radiator Valves Pack

TRV pack with 15mm angled TRV, lock shields and reducers

Model No	Description
TRV31LS10	5mm angled TRV, lock shields and reducers



### TRV310A

#### Thermostatic Radiator Valves

Thermostatic radiator valves for various applications.

Model No	Description
TRV310A	15mm angled TRV with reducer



### TRV31LS5

#### Thermostatic Radiator Valves

Thermostatic radiator valves for various applications.

Model No	Description
TRV31LS5	TRV Pack with 15mm angled TRV, lockshield & reducers



### TRLS10

#### 15mm lock shield with drain off.

Model No	Description
TRLS10	15mm lock shield with drain off

# Control Packs

We can also supply a range of others to suit your needs

We have available various heating control packs for a variety of applications.

## CP122 Unvented Heating Control Pack

EP210, PMV22, RT200, TC100

## CP222 S Plan Control Pack

CT100, EP210, TC100, RT200, PMV22

## CP228 S Plan Control Pack

PMV28, EP210, RT200, CT100, TC100

## CP322 Y Plan Control Pack

CT100, EP210, PMV32, TC100, RT200

## CP328 Y Plan Control Pack

CT100, EP210, TC100, RT200, PMV38



# Quick Find

For even more choices of our products , please visit our website [www.salus-controls.com/uk](http://www.salus-controls.com/uk)

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