SALUS CONTROLS

RT520RF

Programmable Wireless
Digital Room Thermostat
with large LCD

About this product...

The RT520RF Digital Room Thermostat is an innovative heating control solution featuring a large, easy-to-read LCD display that enhances user accessibility. It communicates wirelessly with the boiler through the RT520TX receiver, ensuring a reliable connection for efficient heating management. Utilizing the OpenTherm protocol, this thermostat allows for precise control over your heating system, while the factory pairing of the thermostat and receiver simplifies installation. Additionally, the RT520RF is fully programmable, enabling you to customize your heating schedule according to your preferred times and temperatures, ensuring optimal comfort and energy efficiency in your home.
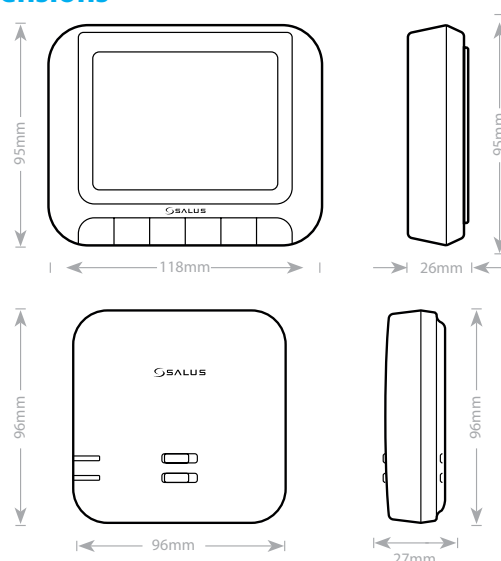
Features

- Simple & Quick Installation
- Thermostat and receiver are factory paired
- OpenTherm protocol modulates boiler performance
- Large LCD screen
- Programmable daily, weekly or 5/2 via App
- Landlord function
- 5 Years Warranty

Specification

Communication	Wireless 868 MHz
Power Supply Thermostat	2 x AA Batteries
Power Supply Receiver	230V AC 50Hz
Protocol	OpenTherm OT+4.0
Temperature Range	5°C to +33°C
Landlord Function	Able to lock both thermostat and receiver
Guarantee	5 Years Warranty

Dimensions

95mm
118mm
95mm
26mm
96mm
96mm
96mm
27mm

RT520RF Thermostat - Technical Data

Electrical and Mechanical Specifications

Communication	Wireless, 868 MHz
Power Supply	2 x AA Batteries
Press button	Menu access / Validation
Multi Language	Available languages - English, French, German, Danish, Norwegian, Swedish, Finish and Romanian
RF Range	30 metres
Dimensions (H x W x D)	118mm x 95mm x 26mm
Material (Housing)	White, Gloss Plastic
Operating Temperature	-20°C to +40°C
Storage Temperature	-30°C to +40°C
Landlord Function	Thermostat lockable via PIN Code
Safety Approval	Class I
Protocol	OpenTherm OT+4.0
Temperature Range	5°C to +33°C
Compatibility	UK Boiler Plus compatible
Mounting	Wall or Desktop
Pairing	Thermostat and receiver arrive factory paired and will work locally out of the box
Local Control	Full Local Menu access with push button selection
Rating	ErP Rating V
Load Compensation	ITLC (Internal Temperature Load Compensation)
Control algorithm	TPI (Time Proportional & Integral): ±0.25°C or ±0.5°C
Guarantee	5 Years Warranty

RT520TX Receiver - Technical Data

Electrical and Mechanical Specifications

Connectivity	Wireless, 868 MHz
Power Supply	230V AC 50Hz
Rx Rating Max	16(5) A SPST
Channels	Single channel relay with flexible-use volt free switch
Dimensions (L x H x D)	96mm x 96mm x 27mm
Material (Housing)	White, Plastic
Operating Temperature	-20°C to +40°C
Safety Approval	Class I
Guarantee	5 Years Warranty

COMPATIBLE BOILERS

Important Note:

Ensure your gas combination boiler is compatible with the OT+ 4.0 communication protocol.
A list of compatible boilers is provided below.

Alpha Heating	| E-Tec S, E-tec Plus, E-tec, Evoke, Intec GS
Atag	iC, iC Economiser, iS
Baxi	100 Combi, 200 Combi, 400 Combi, 600 Combi
Daikin	D2CND 24Kw, D2CND 28kw, D2CND 35kw
Ferroli	i25 Condensing Combination Boiler, i29 Condensing Combination Boiler
Ideal	Independent + Combi, Independent Combi, Independent System, Logic Combi+ Combi C, Logic Combi C24, C30, C35 (mit separatem BundleSet), Logic Code Combi (mit separatem BundleSet), Imini C24, c30 (mit separatem BundleSet), Vogue Combi C26,C32, C40, Logic + System, Logic + Heat
Intergas	Intergas Rapid, Intergas Rapid Plus, Combi Compact, Compact Range, ECO RF, Xtreme, Xclusive
Main	Eco Compact Combi 2530
Navien	Navien NCB
Ravenheat	Avanta, Quinta Ace, Quinta Pro, Gas 110 Eco
Vokera	Evolve C, Evolve S, Linea One with OpenTherm Kit Part_1221179), Vision Combi (needs interface 294501430), Compact A (needs interface 29450143), Verve (heating only),Mynute (heating only), Vision System (heating only), Unica I, Vibe, Vision C, Linea HE, Mynute A, Mynute HE, Unica HE
Viessmann	Vitodens 100W Type WB1A (connection: X3.3 and X3.4), Vitodens 100W Type WB1B (connection: X21.1 and X21.2), Vitodens 100W Type WB1C (connection: X21.1 and X21.2), Vitodens 200-W WB2B 26+ 35 kW (with extension module OT and OT-A8 + Terminal -10 and +10 are on the extension of the A8 boiler), Vitodens 200-W WB2C, B2HA, B2JA, B2LA (with icm Expander OpenTherm)
Vaillant	Ecotec Pro, Ecotec Plus, Ecotec Exclusive, Ecofit Pure (with Vaillant VR33 Module
Worcester Bosch	Greenstar i, Greenstar i Junior (manufactured in July 2013), Greenstar Si Compact, Greenstar CDi Compact,Greenstar CDi Classic (manufactured after 16.01.2007 with CF12.10 software version and later),Greenstar Highflow CDi, Greenstar 12i System – 24i System (with optional integrated diverter valve, manufactured after February 2011), Greenstar 27i System – 30i System (with optional integrated diverter valve), Greenstar CDi Classic System (with optional integrated diverter valve, manufactured after 16.02.2007 with CF12.10 software version and later)

Control & Comfort...

The SALUS RT520RF thermostat is an excellent choice for creating a warm and comfortable home while simultaneously saving energy and reducing costs through its OpenTherm control feature. By utilizing the OpenTherm protocol, the thermostat communicates efficiently with compatible boilers, allowing for precise modulation of heating output based on real-time temperature needs. This means that the system can adjust the heating levels dynamically, ensuring that your home reaches the desired temperature quickly and maintains it without unnecessary energy consumption. Additionally, the programmable scheduling feature allows you to set specific heating times and temperatures tailored to your lifestyle, further optimizing energy use. As a result, the RT520RF not only enhances comfort but also contributes to significant savings on energy bills, making it a smart choice for any household.

Call for Heat sent via WiFi from RT520RF Thermostat to RT520TX Receiver

Signal received and turns on boiler until desired heat achieved

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