

BT-SRT03 RF Series

Wireless electronic smart radiator thermostat

Vision® Wireless

Technical Data Sheet



Description

The **BT-SRT03 Series** electronic smart radiator thermostat is designed to control water-based radiators. The Smart Radiator Thermostat is integrated into the WATTS® Vision® ecosystem by means of a central control unit (BT-CT03 RF) or a smart thermostat (BT-ST03 RF) and **02/03 RF Series** room thermostats.

BT-SRT03 RF



Programmable electronic thermostatic head for radiators. Can either be used as a stand-alone device or in conjunction with the WATTS® Vision® central control units (**BT-CT03 RF** and **BT-ST03 WiFi Series**) and **BT02/03-RF Series** thermostats.

Stroke speed: 2mm-1mm/s. Protection: ~~Class~~ IP30.

Power supply 2 AA LR06 1.5V or rechargeable batteries.

Actuator force 70N or 90N (adjustable).

Compliant with: EMC 2014/30/EU, RED 2014/53/EU, LVD 2014/35/EU, GPSD 2001/95/EC, RoHS 2011/65/EU.

Reference	Part No.	Description	Temperature control
BT-SRT03 RF	P09000	Vision Wireless Smart Radiator Thermostat for water based radiators	5÷37°C

The Smart radiator thermostat is designed to control various types of water-based radiators, optimise energy consumption and enhance home comfort:

- modern design;
- 868.3 MHz bidirectional RF communication compatible with **BT-CT03 RF** and **BT-ST03 RF series**;
- easy to program via Watts Vision+ app;
- weekly programming;
- temporary override function;
- anti-freeze function;
- anti-grip function;
- non-volatile EEPROM memory;
- 2 AA (LR6) batteries;
- compatible with rechargeable AA batteries;
- 2 parameter menus (user and installer);
- heating & cooling;
- 6 types of adaptors to fit on most of radiator valves of the market: M30x1.5 (thread pre-mounted), Danfoss RA, Danfoss RAV, Danfoss RAVL, Giacomini, M28x1.5 (Comap), Watts TRV;
- adjustable motor' strength (70N or 90N) for certains radiator valves references on the market;
- extra opening of the valve function for certain radiator valve types like heimeier.

Technical specifications	
Environmental conditions:	
Operating temperature	0÷40°C
Shipping and storage temperature	-10÷50°C
Electrical Protection	IP30
Classification ERP	Class IV (2%)
Temperature precision	0.1°C
Setting temperature range Comfort, Reduced	5°C to 37°C by 0,5°C step
Timer / Booster	5°C to 37°C
Regulation characteristics	PID
Maximum stroke	3,5 mm
Maximum strength	70N or 90N (adjustable) <- modification au lieu de "70N"
Differential pressure	1.5 bar
Power Supply	2 AA 1.5V batteries, or compatible with AA rechargeable batteries
Operating life	> 1.5 year
Radio Frequency	868.3 MHz, < 10mW.
Software version	Showed in parameter menu F14
Compatible with	BT-CT03 RF, BT-ST03 RF, BT02/03 series thermostats
Directives	EMC 2014/30/EU
	LVD 2014/35/EU
	RED 2014/53/EU
	GPSD 2001/95/EC
	RoHS 2011/65/EU

Operation



Display

- 1 Digits = Setpoint display / Parameter number / Parameter value
- 2 Low battery logo
- 3 Demand status (red = heating, blue = cooling)
- 4 Program mode when connected to central unit BT-CT03 or smart thermostat BT-ST03
- 5 Timer mode

Installation

Step 1

Screw the Adaptor nut on the heater

Step 2

Open the batteries compartment and insert batteries inside

Step 3

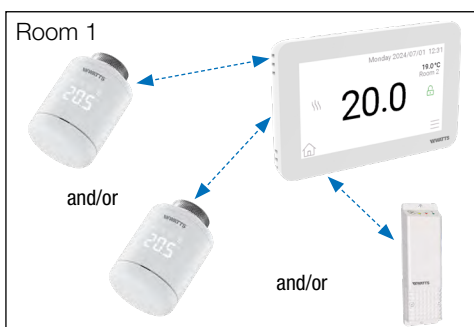
Screw the thermostatic head nut on the adaptor

Examples of installation type



Type 1 - Standalone mode:

- This installation type is mostly met in collective habitations where users do not have the direct control of the heating equipment (no individual boiler or heatpump).
- The heating control is only done on the temperature setpoint, the smart radiator thermostat can open or close the radiator valve based on temperature measured in the room but it will heat only if collective central boiler will be activated.



Type 2 - multi zones water radiators:

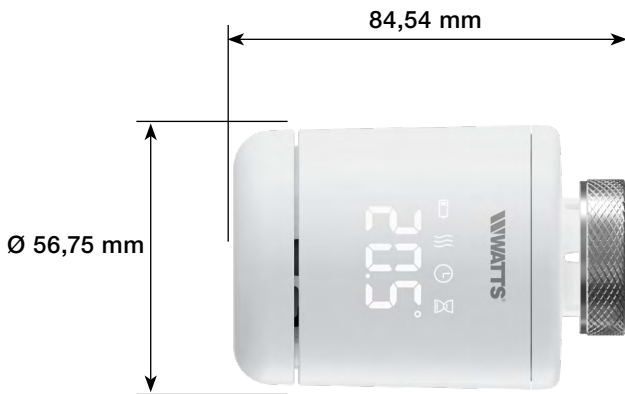
- This installation is addressing room by room temperature control for water radiator applications.
- Pair the smart thermostat with the wall receiver to control the boiler or heatpump.
- Pair the smart radiator thermostats to the smart thermostat to control room by room the temperature.



Type 3 - multizone combined underfloor heating and water radiators:

- This installation allows to do room by room temperature control with both underfloor heating and water radiators
- Pair water floor controller to the central unit pair smart radiator thermostats to the central unit

Overall dimensions



Specification text

BT-SRT03 RF Series

Smart radiator thermostat **BT-SRT03 RF series** for the electronic control of individual radiators. For use in RF mode (868,3 MHz) in conjunction with the WATTS® Vision® touchscreen central control unit (**BT-CT03 RF**) or smart thermostat (**BT-ST03 RF**). Actuator stroke speed: 2mm/s. Power supply: 2 AA LR06 batteries or rechargeable batteries. Actuator force 70N or 90N (adjustable). Automatic compensation of valve actuator stroke during installation. Open window function. Anti grip of the valve function. **Compliant with: EMC 2014/30/EU, RED 2014/53/EU, LVD 2014/35/EU, GPSD 2001/95/EC, RoHS 2011/65/EU.**

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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Watts Electronics S.A.S

B.P. N°10 - Z.A. des Tourettes, 43800 ROSIERES, France,

T: +33(0) 471 57 40 49, F: +33(0) 471 57 40 90,

watts.eu