

ATC Sun Ray RF Electric Thermal Radiators

Experience Unique

We at ATC are delighted to introduce the Sun Ray RF range of Thermal Electric Radiators. Our in-house experts bring experience, knowledge and passion to the product creation process of the RF range. They have ensured the RF range incorporates unique advanced technology and controllability in one radiator, leading the way in sustainable living.

- Stand-alone control on Radiator
 - Manual operation
 - Digital Program control
- Wireless Control via Gateway and App
- Voice Control compatibility with Amazon Alexa and Google Home
- Low Surface Temperature option





Sun Ray RF is Greener

The SUN RAY RF is the most innovative heater manufactured. It incorporates advanced technology that ensures excellent energy efficiency along with comfort and design for every application.

- 0.2°C Enjoy more precise temperature control**

PID Intelligent Control along with the Triac electronic thermostat maintains the set room temperature within 0.2C. Only the electricity required to maintain the program temperature is used, which gives you the most economical heater available.
- ⚡ Adaptive start control function cuts power consumption**

When running in Program mode the Sun Ray RF measures the room temperature before the starting time and anticipates the need for heating. The Sun Ray RF knows how long it takes to heat up the room that it is installed in and gradually brings the room to temperature so it is warm when your time setting starts. Improving room comfort and energy efficiency.
- 🪟 Intelligent open window function cuts power consumption**

The Sun Ray RF can sense when there is a sudden fall in temperature caused by open windows and will after 20 minutes suspend the heating program to prevent expensive wastage of energy.
- ☀️ Two program options and three operating modes**

Within the two program options of digital or manual there are three operating modes, comfort, eco or frost protection. The Sun Ray RF has an operation mode that suits every routine..

Product Description

Product Features

- Simple to Program and operate
- Large easy to Read TFT LCD Display
- Operating Modes – Eco – Comfort – Frost Protection
- 10 Year Battery Backup for Program and Time
- Triac Electronic thermostat – accurate to 0.2c
- PID Intelligent Control – improves energy efficiency
- Open Window Technology –improves energy efficiency
- Adaptive Start feature in Program mode – improves energy efficiency
- Standalone control on Radiator or Wireless Control via Gateway and App
- Voice Control compatibility with Alexa and Google

- Low Surface Temperature option
- Universal Wall Brackets for Quick Installation
- Filled with High Quality Thermal Emission Oil – Quick Heat Up Time

Approvals

- Complies with LOT 20 Eco-Design Directive 2009/125/EC
- CE and RoHS Approved
- Complies with EN 60335-1, EN 60335-2-30

Warranty

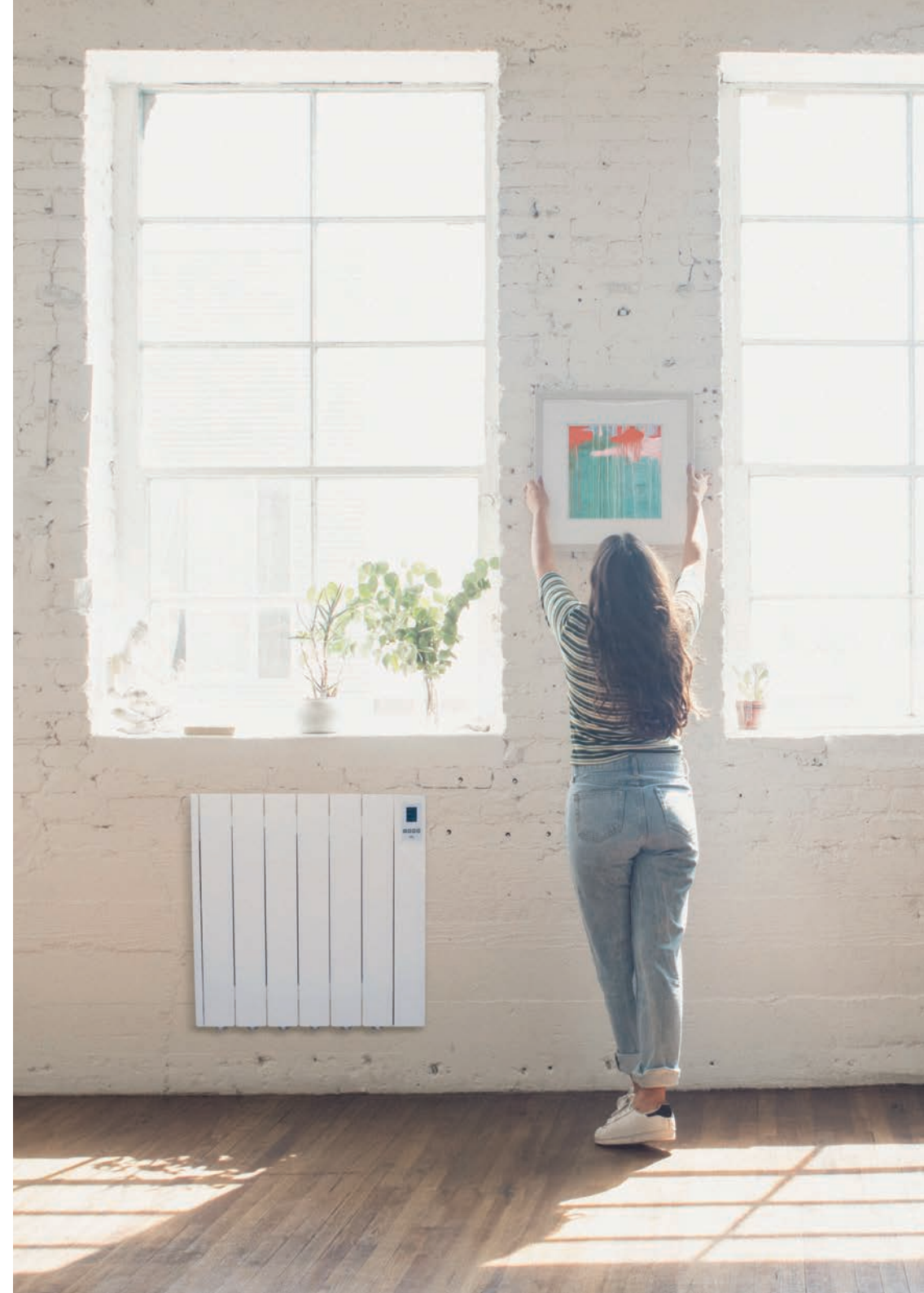
- 3 Year warranty on Electronics
- 20 Year Warranty on Aluminium

Technical Details

ATC Sun Ray RF Electric Radiator

Product Code	RF350	RF500	RF750	RF1000	RF1250	RF1500	RF1800
Number of Fins	3	4	6	8	10	12	12
Power W	350	500	750	1000	1250	1500	1800
Insulation Class	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
IP Protection	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Voltage (AC)	230	230	230	230	230	230	230
Dimensions (H x W x D) cm	58x34x10	58x42x10	58x58x10	58x74x10	58x90x10	58x106x10	58x106x10
Approvals	CE,Rohs	CE,Rohs	CE,Rohs	CE,Rohs	CE,Rohs	CE,Rohs	CE,Rohs
Weight (kg)	6.9	8.8	12.5	16.4	20	23.9	23.9

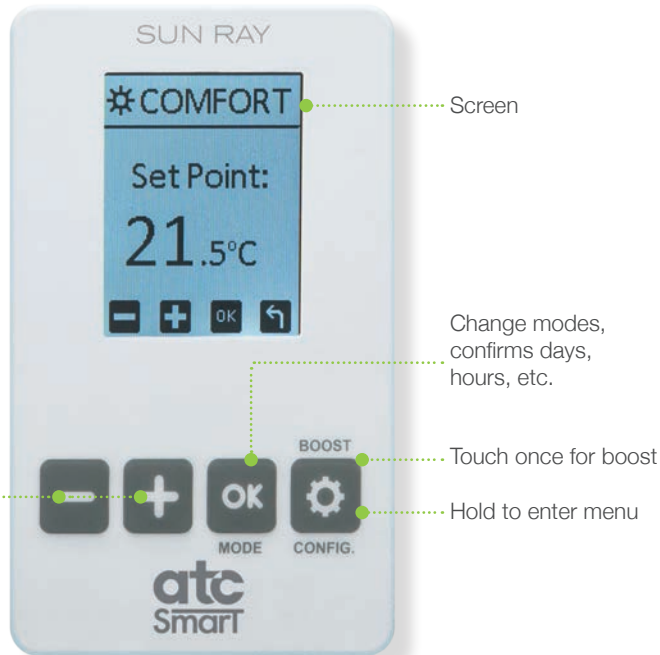
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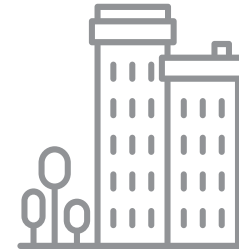
Manual Control

The Sun Ray RF Radiator designed with the installer and end user in mind.

The Sun Ray RF control panel is equipped with a large TFT LCD display with clear definition of each mode or function. There are 4 buttons for easy operation and control as listed below.



Take Control using our App



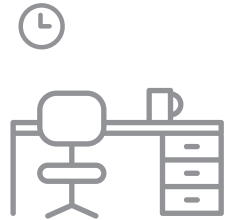
Apartments
Change settings remotely



Hotels & Hostels
Controllability from reception



Download
for FREE on your mobile, tablet or computer device



Offices
Smart design



Holiday Homes
Frost protection for piece of mind

Voice Control
amazon alexa



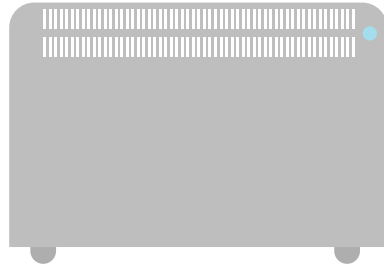
Google HOME

- Programmable 24/7 from anywhere in the world
- 3 program modes: **Comfort, Eco & Frost Protection**
- Can control up to 30 radiators
- Each radiator can be named
- Voice Control
- Whole house energy usage with optional RF-Monitor



**18.3%
SAVING**

Energy Cost Comparison Sun Ray RF vs Storage Heaters



Sun Ray RF Radiator

Area 18m ²	1800w
Kw cost per hour ¹	200
Total consumption per day	£1.85
Total Cost Per Month	£55.50

Storage Heater

Area 18m ²	4250w
Kw cost per hour ¹	£0.07613
Total consumption per day	£2.26
Total Cost Per Month	£67.94

The above figures are based on a 7 hour heating cycle using electricity on the night rate for the storage heater. The Thermal Radiator is used 6 hours per day, 2 in the morning and 4 in the Evening on the standard day rate. The Calculation does not take into account the additional requirement for boost heating in the evening for the storage type heaters. Heaters are sized based on standard Sun Ray sizing metrics.



Lower Bills
£55.50
Lower Energy Consumption



Higher Bills
£67.94
Higher Energy Consumption



Experience Unique

We believe that ease of use is most important to the installer and the end user. The Sun Ray RF is a standard thermal radiator as well as being a radiator that has many advanced features for many applications.

- Two program options – Digital or Manual with 3 operating modes in either option: Comfort mode, Eco mode or Frost protection mode.
- Voice control compatibility with Amazon Alexa and Google Home.
- LST (Low Surface Temperature) – the radiators can be program as low surface temperature radiators via the settings in program.
- Wireless capability – the radiators can be wireless controlled through RF (radio frequency) technology using the Gateway. The radiators can then be controlled from anywhere in the world through the App. The Gateway can control up to 30 radiators in one building and can be installed after the initial installation.

¹ 1 Day (0.17131) Night rate (0.07613) on the British Gas Clear & Simple Economy7 Plan. Standing charge not included

Sun Ray RF Radiator Sizing Guide

This Sizing Guide is to assist you in selecting the correct Sun Ray RF Radiator for the room/area you need to heat. Calculate the floor area (m²) of the room/area and

the total length (m) of the outside wall. Using the floor area calculated (m²), select the nearest size from the left hand side of the table and match this with the length of the outside from the top of the table. This will tell you what size Radiator is required to heat the room/area. Please note this is a guideline only and for more accurate information please contact our Technical Department.

Floor Area in m ²	Temperature Required(°C)	Total Length of External Wall in Meters				
		1.5	2	3	4	5
Up to 3m ²	21°C	A	A	B	B	B
Up to 6m ²	21°C	A	B	B	C	C
Up to 9m ²	21°C	B	B	C	C	C
Up to 12m ²	21°C	B	C	C	C	D
Up to 15m ²	21°C	C	C	D	D	D
Up to 18m ²	21°C	C	D	D	D	D
Up to 21m ²	21°C	D	D	D	D	D
Up to 24m ²	21°C	D	D	D	D	1xE or 2xC
Up to 27m ²	21°C	D	D	1xE or 2xC	1xE or 2xC	1xE or 2xC
Up to 30m ²	21°C	D	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC

Important Information: In many cases the RF1800, 1800 watt radiator in our range can reduce the requirement for two radiators in some locations leading to reduced material and installation costs.

6	7	8	9	10	11	12
C	—	—	—	—	—	—
C	D	D	—	—	—	—
D	D	D	D	1xE or 2xC	—	—
D	D	D	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC
D	D	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC
D	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC
1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC
1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC
1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	2xD
1xE or 2xC	1xE or 2xC	1xE or 2xC	1xE or 2xC	2xD	2xD	2xD

