

wunda

Smart Radiator Head

Installation Guide



Smart Radiator Head installation

To install the **Smart Radiator Head** first ensure that your **Smart Hub** is correctly installed and registered. (See: *Smart Hub Installation Guide*)

The **Smart Radiator Head** has a mounting ring designed for M30×1.5 threaded TRVs. For radiators with any other valve type, an adapter should be used.

The packaging contains:

Smart Radiator Head
2 x AA 1.5V batteries

Tools required:

A smartphone with the **WundaSmart App** or a PC/Mac with Internet access

Manufacturer

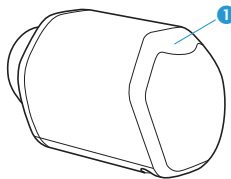
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Kingsway Buildings, Kingsway
Bridgend Industrial Estate,
Bridgend,
Glamorgan,
CF31 3YH

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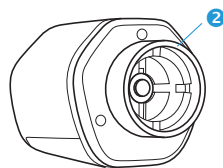
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Device appearance

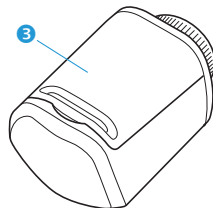
- View one: ❶ control LED



- View two: ❷ mounting ring



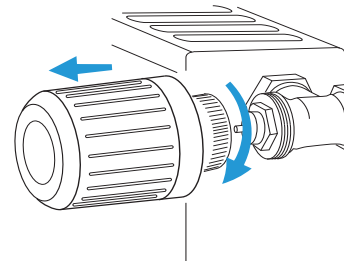
- View three: ❸ battery compartment



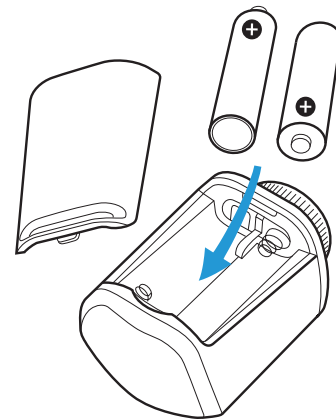
Smart Radiator Head fixing

⚠ To ensure the best connection between the **Smart Radiator Head** and the **Smart Hub**, the device should be situated far from transformers, engines, fluorescent lamps, microwave devices, refrigerators and other industrial equipment.

- Detach the used radiator head from the radiator and place adapter if required;

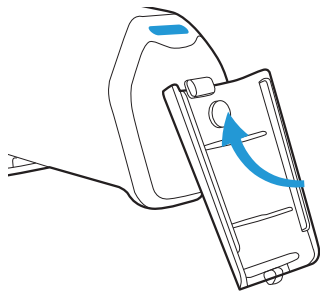


- Remove the battery cover ❸ from the **Smart Radiator Head**. Insert the **two AA batteries** as indicated;



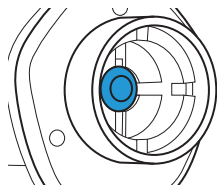
Smart Radiator Head fixing

- Touch the battery cover ③ to the head front ① for 5 seconds until the LED emits continuous white light;

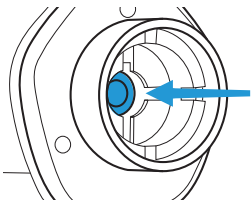


- You now have 60 seconds to install the **Smart Radiator Head** on to the valve with the pin retracted.

- After 60 seconds the pin will return to the starting position. When installed, the Smart Radiator Head will carry out automatic calibration.



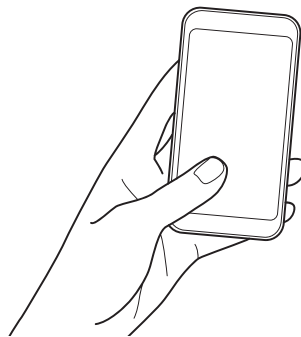
- Remove the battery cover ③ from the top of the **Smart Radiator Head**. The pin inside the head will retract as far as possible



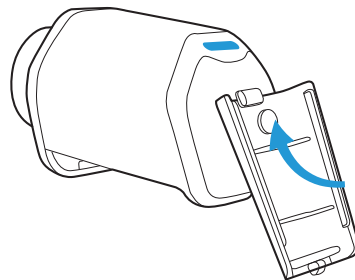
Smart Radiator Head connection

Open the **WundaSmart application** and log in to your **Smart Hub**, select the **Room** in which you wish to install the **Smart Radiator Head** in and then enter the **Setting tab**.

At the bottom of the settings menu is "**Radio Devices**", select "**Add a new device**" and then select "**Add Head**"



- You have **30 seconds** to pair the head. Again touch the battery cover ③ to the top of the Smart Radiator Head and wait until the LED starts emitting continuous green light. (about 8 seconds)



The installed Smart Radiator Head will appear on the device list in the **Room**.

Technical data

Nominal supply voltage	2×1.5V - alkaline battery AA type
Radio communication	869.85MHz (two-way)
Maximum transmit power	<5dBm e.r.p.
Radio coverage	up to 500m in an open area
Aerial	yes (built-in)
Software category	A
Controller type	PID
Operating temperature range	5-50°C (excluding condensation)
Temperature measurement resolution	0.1°C
Temperature measurement accuracy	±1°C
Measuring frequency	every 2 minutes
Degree of protection	IP30
Valve connection	M30×1.5
Valve stem movement	max 5 mm
Dimensions	75 x 50 x 50 mm

