



RPE Controls

Radiator Heat Control
Manual

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Getting Started

Thank you for choosing RPE Controls Radiator Heat Control, an intelligent solution designed to provide precise temperature regulation and improved energy efficiency in your home. This system allows you to easily manage and automate radiator heating through a combination of smart sensors, wireless connectivity, and intuitive control via the RPE Controls App.

Before beginning installation, read all safety instructions carefully and make sure the product is suitable for your specific heating system. Always turn off the main power supply before connecting or disconnecting any electrical components. Incorrect installation may result in damage to the product or your heating system.

Take a few moments to familiarize yourself with the Radiator Heat Control unit, its display interface, and the accessories included in the package. Understanding each part and its function before installation will help ensure smooth setup and reliable operation. Handle all parts with care and avoid exposing the components to moisture or dust.

For the most accurate temperature control, install the Radiator Heat Control in a room that reflects the average temperature conditions of your home. Avoid installing it near heat sources such as radiators, direct sunlight, or drafts, as these can affect sensor readings. If using multiple devices, ensure they are installed in suitable locations for optimal communication and system performance.

Once installation is complete, reconnect power and follow the setup steps provided in this guide. You can configure heating schedules, temperature modes, and automation preferences directly through the display or remotely using the RPE Controls App. The app allows you to monitor energy consumption, set comfort levels, and make adjustments anytime, anywhere. Regular maintenance is minimal. Keep the unit clean and dust-free by wiping it gently with a dry cloth. Do not use solvents or abrasive cleaning agents. If you experience irregular behavior or connectivity issues, refer to the troubleshooting section at the end of this manual or contact our customer support team for assistance.

For further details, including instructional videos, FAQs, and installation guides, visit www.rpecontrols.com.

Safety and Precaution

Read these instructions carefully and take time to become familiar with the thermostat display before beginning installation, operation, or maintenance.

Understanding the device, its interface, and functions beforehand helps ensure safe and correct use. Throughout these instructions and on the display itself, you will find important warning symbols and safety notices. These indicate potential hazards and highlight useful information to guide you through installation, setup, and operation safely and efficiently.



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals with knowledge of installation, laying cables, and complying with safety standards and local wiring regulations. Failure to follow these instructions will result in death or serious injury.

Before proceeding with installation, confirm that the Radiator Heat Control and all related components are intact and free of visible damage. Do not use the device if it has been dropped, exposed to water, or shows signs of cracking or deformation. Damaged equipment must be replaced immediately to prevent malfunction or electrical risk.

Do not connect the Radiator Heat Control to incompatible systems or attempt to integrate it with unapproved third-party devices. Incorrect connections can result in short circuits, device failure, or damage to other equipment in your heating system.

Keep the installation area clean and dry throughout setup. Avoid installing the device in locations with high humidity, condensation, or exposure to direct heat sources. The unit should be mounted in a stable position, away from vibration and accidental impact.

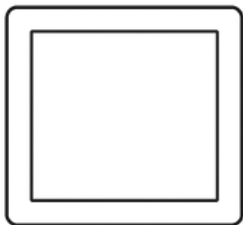
After installation, verify that the system is functioning correctly before leaving it unattended. Check that the Radiator Heat Control responds properly to manual inputs and that all paired components communicate as expected.

If at any point during installation or operation you notice irregular performance, unusual odors, or excessive heat, disconnect the power immediately and contact RPE Controls technical support. Never attempt to repair the unit yourself.

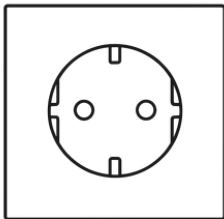
Following these guidelines will help ensure safe operation, reliable performance, and extended service life of your Radiator Heat Control.

What's in the box?

Heat Controller Display



In-Wall Outlet



Screws

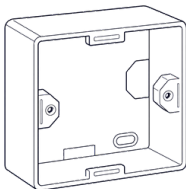


Valve

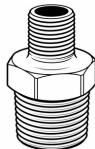
You'll Need:



Screwdriver

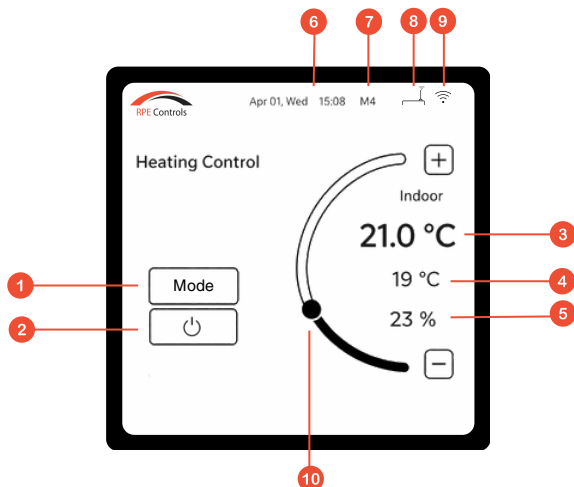


Mounting box*



Compatible Adapter*

Icons and Buttons



- 1 Modes**
When clicked gives the option to change the modes(Auto, Manual,Weekend, Weekday,Every day, User,+ Add profile)

- 2 Power Button**
When Clicked turns On or Off depending on its previous state

- 3 °C**
Shows the current indoor Celsius.

- 4 °C**
Shows the Celsius level you chose to set your space

- 5 %**
Shows current indoor Humidity percentage

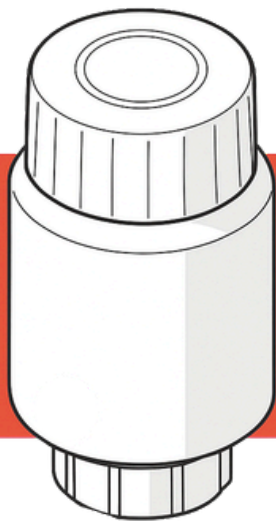
- 6 Date & time**
Shows the date and time

- 7 M:1,2,3,4,etc.**
Shows the amount of devices currently connected to the display

- 8 Network**
Indicates the network connection status. A solid icon shows an active connection, while a line over the icon means there is no network connection.

- 9 WLAN/WIFI**
Indicate whether one or more your display is connected to the router

- 10 Slider**
Lets you control the temperature instantly

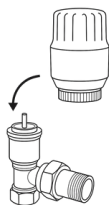


Radiator Heat Controller Valve Installation

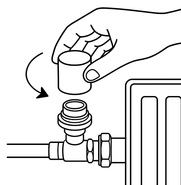
Valve Installation

Before installation, ensure that the heating system is turned off and the radiator is cool to the touch. Begin by removing the existing manual closing cap from the valve. Unscrew it counterclockwise and lift it away to expose the valve body. Once the valve is ready, connect it securely to the radiator tailpiece and the hot-water pipe. Slide on the nuts and olives, then fit the valve body into place, tightening it gently by hand to avoid damaging the threads.

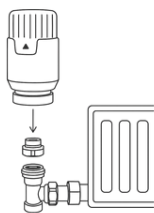
Next, position the securing ring or adapter, ensuring that it sits evenly on the valve body. With the connection properly aligned, place the thermostatic head onto the valve and turn it clockwise until it locks into position. The head should fit snugly without the use of tools. Finally, check that all parts are aligned and firmly connected, confirming that the installation is secure before restoring water flow to the system.



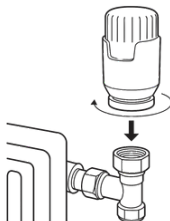
Step 1



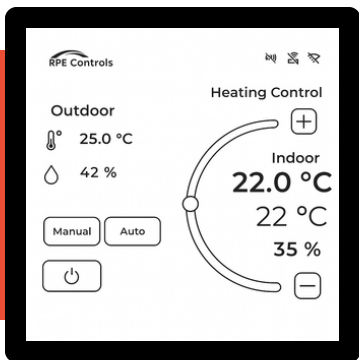
Step 2



Step 3



Step 4



Radiator Heat Controller Display Installation

Display Installation



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals with knowledge of installation, laying cables, and complying with safety standards and local wiring regulations. Failure to follow these instructions will result in death or serious injury.

Turn off the main power before beginning installation.

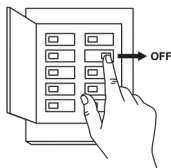
Remove the existing switch or outlet cover and gently pull the unit forward to access the wiring. Verify that no power is present using a tester.

Connect the wires from the electrical box to the display according to the wiring diagram. Make sure each wire is firmly secured in the correct terminal and that no copper is exposed.

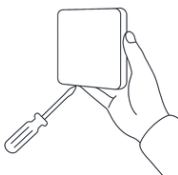
Once the wiring is complete, carefully position the device into the electrical box and secure it with the provided screws. Do not overtighten, since this may damage the device or the box.

After the unit is fixed in place, attach the display by aligning it with the front of the device and pressing it gently until it clicks into position.

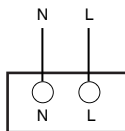
Restore power and verify that the display turns on and the device responds as expected.



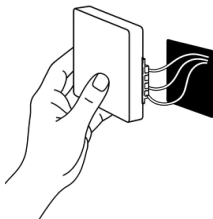
Step 1



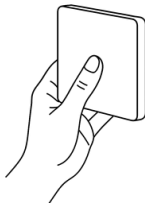
Step 2



Step 3



Step 4



Step 5



Step 6

Troubleshooting



If your In-Wall Display or connected devices are not functioning as expected, review the following guide before contacting customer support. Most issues can be resolved through basic checks and adjustments. Always turn off power before handling electrical connections.

Issue	Possible Cause	Solution
Display does not power on	Power supply not connected or interrupted	Check the circuit breaker and confirm that mains voltage is present at the L and N terminals. Verify that the display is correctly connected to the mounting plate.
Display flickers or restarts	Loose wiring or unstable voltage	Tighten all terminal screws and ensure wiring is secure. Confirm that power supply voltage remains within the product's rated range.
Screen is on but not responding	Internal protection or temporary system error	Turn off power at the breaker for 30 seconds, then restart. If unresponsive, contact RPE Controls support.
Display shows incorrect temperature	External sensor not paired or installed near a heat source	Re-pair the sensor using the setup instructions. Keep the sensor away from direct sunlight, heating units, or drafts.
Connected devices not reacting	Incorrect wiring or communication issue	Check the wiring on the mounting plate and ensure each output terminal corresponds to the proper function. Reconnect the display and verify communication with the paired devices.

Warranty

Limited One-Year Product Warranty

General Coverage

This Limited Warranty ("Warranty") applies to all products manufactured, sold, or distributed by RPE Controls (the "Company") and covers only the original purchaser of the product ("Purchaser"). By purchasing or using this product, you acknowledge that you have read, understood, and agreed to the terms and conditions set forth herein. This Warranty is valid and enforceable only within the country or region in which the product was originally purchased.

The Company warrants that the product, when used under normal operating conditions and according to the instructions provided in the accompanying manual, will be free from defects in materials and workmanship for a period of one (1) year from the date of original retail purchase (the "Warranty Period"). During this Warranty Period, the Company will, at its sole discretion, repair or replace any defective components or product that proves defective under normal use and service, without charge for parts or labor.

What This Warranty Covers

This Warranty covers defects that arise solely from:

Faulty materials or manufacturing defects in the product or its components.

Failure of the product to operate as intended under proper installation and usage conditions.

Electrical or mechanical malfunctions caused by manufacturing error rather than misuse.

This Warranty also covers replacement parts provided by RPE Controls for any product repaired under this Warranty. Replacement parts or products will carry either the remainder of the original Warranty Period or ninety (90) days, whichever is longer.

What This Warranty Does Not Cover

This Warranty does not cover damage, malfunction, or failure resulting from any of the following:

Improper installation, handling, or maintenance, including but not limited to use by an unqualified installer or technician.

Damage caused by misuse, neglect, accident, modification, or alteration of any kind.

Operation outside the product's specified electrical or environmental limits.

Exposure to extreme environmental conditions such as excessive heat, moisture, dust, or corrosive substances.

Damage caused by electrical surges, lightning, power interruptions, or voltage fluctuations.

Normal wear and tear, cosmetic damage, or deterioration of consumable components such as fuses, batteries, connectors, or seals.

Products whose serial number or factory labels have been removed, altered, or defaced.

Damage resulting from use with third-party accessories, peripherals, or components not supplied or approved by RPE Controls.

Transportation, shipping, or storage damages incurred after the product has left the Company's possession.

This Warranty further does not apply to any product purchased "as is," "open box," "refurbished," or otherwise not in new condition at the time of purchase unless expressly covered by a separate written agreement.

Limitations and Exclusions

This Warranty represents the sole and exclusive remedy for the Purchaser and supersedes all other warranties, whether written or oral, express or implied.

The Company shall not be liable for any indirect, incidental, special, or consequential damages, including but not limited to loss of profits, business interruption, or loss of data, even if advised of the possibility of such damages.

No employee, agent, distributor, or reseller of RPE Controls is authorized to make any modification, extension, or addition to this Warranty.

The duration of any implied warranties, including merchantability or fitness for a particular purpose, is expressly limited to the duration of this one-year period. Some jurisdictions do not allow limitations on the duration of implied warranties, so the above limitation may not apply to you.

Transferability

This Warranty is non-transferable and applies only to the original purchaser of the product. Any transfer or resale of the product voids this Warranty unless otherwise required by applicable consumer protection laws.

Governing Law

This Warranty shall be governed by and construed in accordance with the laws of the jurisdiction in which the product was originally purchased, without regard to its conflict of law principles. Any disputes arising from or related to this Warranty shall be subject to the exclusive jurisdiction of the courts within that same region.

Additional Rights

This Warranty grants specific legal rights, and you may also have other rights that vary depending on the country or state in which you reside. Nothing in this Warranty shall be construed to limit any consumer rights provided by mandatory law.

