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- › [Danfoss](#) /
- › [Danfoss RMT-230 Thermostat User Manual](#)

Danfoss RMT-230

Danfoss RMT-230 Thermostat User Manual

MODEL: RMT-230 (087N1110)



Image of the Danfoss RMT-230 Thermostat, a white, square-shaped device with a large central rotary dial for temperature adjustment. The dial is marked with temperature values from 8 to 30 degrees Celsius. The Danfoss logo is visible at the bottom of the device.

Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Danfoss RMT-230 Electromechanical Room Thermostat. This device is designed to regulate ambient temperature in conjunction with heating, ventilation, or air conditioning systems.

The RMT-230 is suitable for installations equipped with oil or gas boilers, as well as electric heating systems. It features a temperature adjustment range of 8 to 30°C, which can be limited to a specific maximum or minimum setting if desired. The thermostat operates with a 10(4) A changeover contact.

Setup and Installation

Proper installation is crucial for the optimal performance of your Danfoss RMT-230 thermostat. It is recommended that installation be performed by a qualified professional.

1. Choosing a Location

- Install the thermostat on an inside wall, approximately 1.5 meters (5 feet) above the floor.
- Avoid locations near heat sources (e.g., direct sunlight, lamps, radiators, televisions) or cold drafts (e.g., windows, doors).
- Ensure good air circulation around the thermostat for accurate temperature sensing.

2. Mounting

The thermostat comes with a mounting bracket and back plate for secure installation.

1. Turn off the main power supply to the heating system before beginning installation.
2. Separate the front cover from the back plate.
3. Mount the back plate securely to the wall using appropriate screws and wall plugs.
4. Connect the electrical wiring to the terminals on the back plate according to the wiring diagram provided with the product (refer to local electrical codes). The thermostat operates on 230 Volts.
5. Reattach the front cover to the back plate, ensuring it clicks securely into place.
6. Restore power to the heating system.

Operating Instructions

The Danfoss RMT-230 thermostat is simple to operate using its rotary dial.

Setting the Temperature

- To adjust the desired room temperature, rotate the central dial clockwise to increase the temperature setting or counter-clockwise to decrease it.
- The dial is marked with temperature values ranging from 8°C to 30°C.
- The thermostat will activate the heating system when the room temperature falls below your set point and deactivate it when the temperature rises above it.

Temperature Range Limitation (Optional)

The temperature adjustment range can be physically limited to a specific maximum or minimum. Refer to the detailed installation guide provided with the product for instructions on how to set these limits, if required.

Maintenance

The Danfoss RMT-230 thermostat requires minimal maintenance to ensure long-term, reliable operation.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the device.
- **Air Vents:** Ensure that the air vents on the thermostat casing remain clear of dust and debris to allow for accurate temperature sensing.
- **No User Serviceable Parts:** There are no user-serviceable parts inside the thermostat. Do not attempt to open or repair the unit yourself.

Troubleshooting

If you experience issues with your Danfoss RMT-230 thermostat, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Heating system not responding.	No power to the thermostat or heating system. Thermostat setting is below room temperature. Incorrect wiring.	Check main power supply and circuit breaker. Increase the temperature setting on the dial. Verify wiring connections (consult a professional if unsure).
Room temperature is inaccurate.	Thermostat located near a heat source or draft. Air vents are blocked.	Relocate the thermostat if possible, or ensure no obstructions. Clean any dust or debris from the air vents.
Thermostat clicks but heating doesn't turn on/off.	Issue with the heating system itself (boiler, pump, etc.). Faulty thermostat contact.	Consult a heating system technician. Contact Danfoss support or a qualified electrician for thermostat inspection.

If the problem persists after attempting these solutions, please contact Danfoss customer support or a qualified heating technician.

Specifications

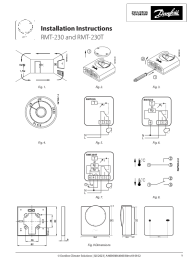





Feature	Detail
Brand	Danfoss
Model Number	RMT-230 (087N1110)
Product Dimensions (L x W x H)	8 x 8 x 3.99 cm
Item Weight	120 grams
Voltage	230 Volts
Temperature Range	8 to 30°C
Contact Type	Changeover contact 10(4) A
Controller Type	Electromechanical
Power Source	Corded Electric
Included Components	Mounting bracket, back plate

Warranty and Support

For information regarding warranty coverage, technical support, or spare parts availability for your Danfoss RMT-230 thermostat, please refer to the documentation provided with your purchase or visit the official Danfoss website. You may also contact your local Danfoss distributor or the seller from whom you purchased the product.
Please retain your proof of purchase for warranty claims.



Related Documents - RMT-230

 <p>Installation Instructions RMT-230 and RMT-230T</p>	<p>Danfoss RMT-230 and RMT-230T Installation Instructions</p> <p>Official installation guide for Danfoss RMT-230 and RMT-230T room thermostats. Covers placement, mounting, wiring, and technical specifications for effective heating system control.</p>
 <p>Application Guide Heating Control Danfoss Link™ & Connect Thermostats</p>	<p>Danfoss Link™ & Connect Thermostats Application Guide for Heating Control</p> <p>This application guide from Danfoss provides comprehensive information on the Danfoss Link™ and Connect Thermostats heating control systems. It covers system components, general guidelines for heat supply and room management, and details applications for boilers, central boilers, district heating, and heat pumps, optimizing energy efficiency and comfort in residential settings.</p>
 <p>User Guide ECtemp 535 Electronic Intelligent Thermostat</p>	<p>Danfoss ECtemp 535 Electronic Intelligent Thermostat User Guide</p> <p>User guide for the Danfoss ECtemp 535 Electronic Intelligent Thermostat, covering installation, settings, operation, error messages, warranty, and disposal instructions for floor heating systems.</p>
 <p>RET230P Electronic Thermostat</p>	<p>Danfoss RET230P Electronic Thermostat - User Guide and Specifications</p> <p>Comprehensive guide and technical specifications for the Danfoss RET230P Electronic Thermostat, covering its function, installation, operation, and performance details.</p>
 <p>Installation Guide Danfoss ECtemp Next Plus Electronic Intelligent Timer Thermostat</p>	<p>Danfoss ECtemp Next Plus: Installation Guide for Electronic Intelligent Timer Thermostat</p> <p>Explore the Danfoss ECtemp Next Plus, an electronic intelligent timer thermostat for floor heating. This guide covers installation, technical specifications, settings, and warranty for optimal home comfort and energy efficiency.</p>
 <p>Danfoss Ally™</p>	<p>Danfoss Ally™ Smart Heating System User Guide</p> <p>Comprehensive user guide for the Danfoss Ally™ smart heating system, covering installation, app usage, features, settings, and troubleshooting for the Danfoss Ally™ Gateway and Radiator Thermostats.</p>

