

MKT Series

Mechanical Room Thermostat

20260210R1

Technical Catalogue



The Havkon **MKT.2011** is a compact **mechanical room thermostat** designed for **boiler** and **underfloor heating applications** requiring simple, reliable and stable temperature control. The device provides temperature-based **On/Off control** for heating and cooling systems through an intuitive mechanical adjustment structure.

Developed for residential and commercial **HVAC installations**, the thermostat supports **motorized valve** and **boiler control** applications. Its straightforward operating principle allows easy daily use while maintaining dependable temperature regulation performance.

The compact **wall-mounted housing** enables fast installation and seamless adaptation to modern indoor environments. The clear temperature adjustment dial and robust mechanical structure provide long-term operational reliability together with user-friendly control functionality.

The Havkon **MKT.2011** is an ideal solution for conventional heating systems where **cost-effective operation**, **easy commissioning** and stable room temperature control are required.

Features

- Mechanical Temperature Control
- Boiler Control Applications
- Underfloor Heating Systems
- Heating / Cooling Control
- Motorized Valve Compatibility
- Fan On/Off Control
- Compact Wall-Mounted Design
- Easy Installation and Commissioning

Order Codes

MKT.2011

Mechanical Room Thermostat for Boiler and Underfloor Heating Applications

Warnings



Before installing and operating the device, carefully read the user manual and the instructions below.

- The user is responsible for any damage, loss, or injury caused by improper use or failure to follow these instructions.
- Do not modify, disassemble, or attempt to repair the device.
- Ensure correct supply voltage before powering the device.
- Disconnect power before installation and wiring.

Failure to comply with these instructions may result in device malfunction and will void the warranty.

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Product Overview

The Havkon **MKT.2011** operates with a mechanical temperature sensing structure designed for reliable **heating** and **cooling control applications**. The thermostat provides direct **On/Off switching control** for boilers, motorized valves and various conventional HVAC systems without requiring complex electronic control circuitry.

Its compact and user-friendly structure enables practical daily operation together with stable room temperature regulation performance. The simple mechanical adjustment dial allows easy temperature setpoint control for residential and commercial comfort applications.

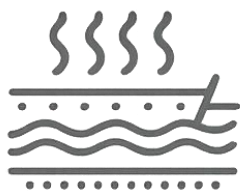
The wall-mounted housing design provides fast installation and seamless adaptation to modern indoor environments while maintaining long-term operational reliability.

Typical Applications

- Boiler Systems
- Underfloor Heating Systems
- Residential Buildings
- Motorized Valve Control Applications
- General Heating and Cooling Systems
- Standalone HVAC Control Applications



Boiler Systems



Underfloor Heating



Heating / Cooling



Easy Installation



Wall Mounted

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Technical Specifications

Electrical Data	Power Supply	230 VAC $\pm$ 10% , 50/60 Hz
	Connection	Terminal block, 1.5 mm ²
	Max. Switching Current	2 A
Environmental Conditions	Operating Temperature	0 ... +40°C
	Storage Temperature	-20 ... +55°C (without icing and condensation)
	Relative Humidity	10...90% RH (non-condensing)
Functions	Control Type	Mechanical temperature control
	Output Type	230 VAC thermostatic output
	Application	Boiler and underfloor heating systems
Mechanical Data	Measurement Parameter	Temperature
	Temperature Range	10...30°C
	Accuracy	$\pm$ 1°C
	Housing Material	ABS
	Color	White
Protection & Standards	Protection Degree	IP 30
	Standard	EN 60529

Enclosure Specifications

Mounting	Wall mounted
Dimensions	W84xH84xD39mm (Width x Height x Depth)
Weight	140 g

Connections

The device must be installed and operated in accordance with applicable electrical regulations.

- Ensure that the power supply is disconnected before installation and wiring.
- Use appropriate cable cross-sections according to load and installation conditions.
- Do not route signal cables together with power cables.
- Protect the device from moisture, dust, and vibration.

Recommended: Use an external fuse (max. 2 A) for supply protection.

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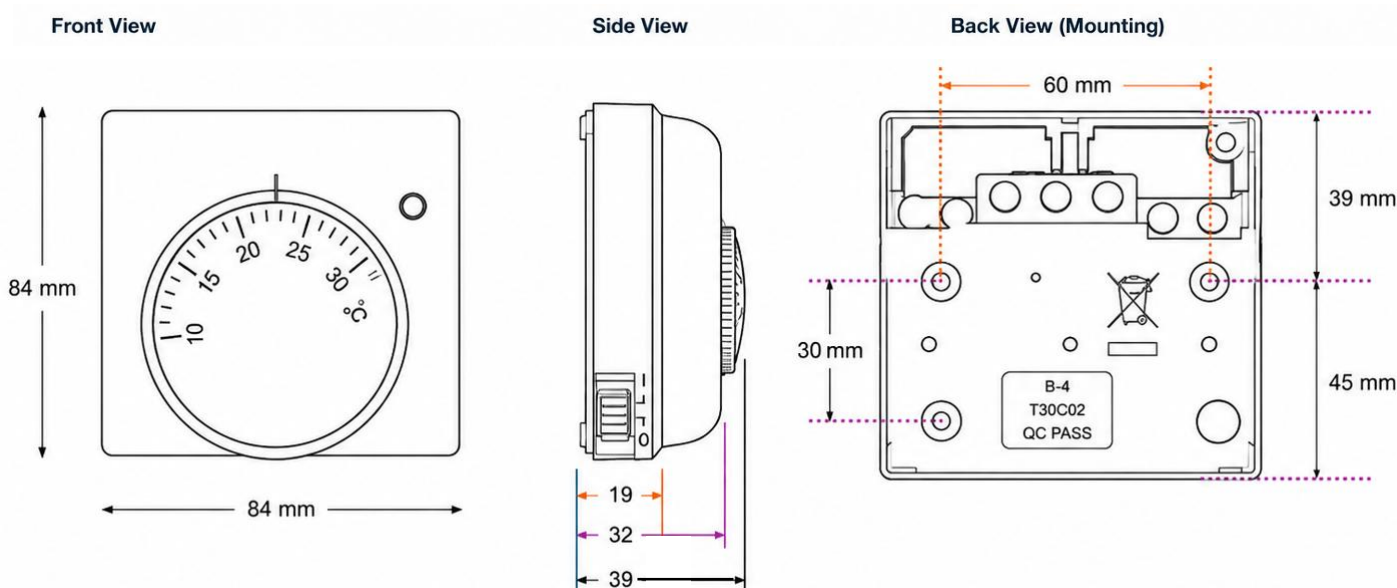
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User Interface & Operation

Interface	Function
Rotary Temperature Knob	Room temperature setpoint adjustment
Mechanical Control Structure	Reliable mechanical temperature control
Thermostatic Output	Heating or cooling system On/Off control
Wall Mounted Design	Easy installation and daily operation

Dimensions



Notes:

- All dimensions are given in millimeters (mm).
- Dimensions are based on actual product measurements.
- Tolerance: ± 1 mm.

Weight: 140 g

Parameter Table	Value (mm)
Front Size (Width × Height)	84 × 84
Total Depth	39
Body Depth	32
Front Panel Depth	19
Mounting Hole Distance (Horizontal)	60
Mounting Hole Distance (Vertical)	30
Mounting Hole Center to Top Edge	39
Mounting Hole Center to Bottom Edge	45

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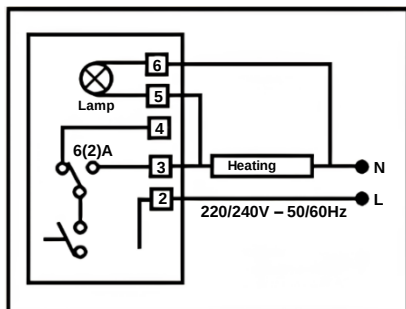
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Wiring Diagram

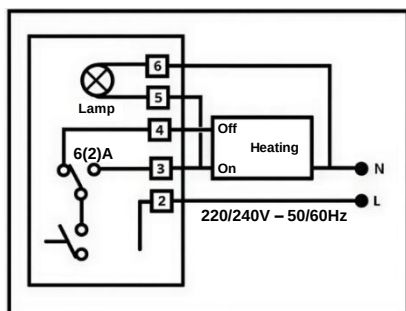
Heating Valve Control – 2-Wire

Typical connection diagram for 2-wire heating valve applications.



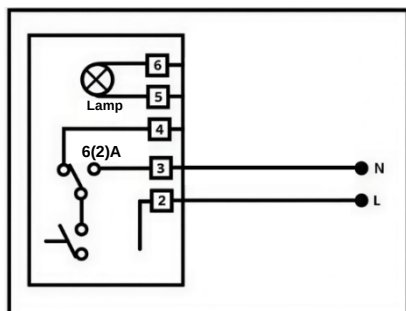
Heating Valve Control – 3-Wire

Typical connection diagram for 3-wire motorized heating valve applications.



Boiler Control

Typical thermostat connection diagram for boiler control applications.



Application Notes

- Use the appropriate wiring diagram according to the connected system type.
- The thermostat provides **On/Off switching control** according to the adjusted room temperature setpoint.
- The indicator lamp operates when the thermostat output is energized in valve control applications.
- In boiler control applications, the indicator lamp may remain inactive depending on the wiring configuration.
- For 3-wire motorized valve applications, refer to the valve manufacturer's wiring instructions.
- Electrical wiring must be performed by qualified personnel.

3-Wire Valve Configuration

Application	OFF Terminal
Heating Control	Terminal 3
Cooling Control	Terminal 4

For 3-wire motorized valve applications:

- Use **Terminal 3** as the OFF output for heating control.
- Use **Terminal 4** as the OFF output for cooling control.

Safety Note

Disconnect the power supply before wiring. Incorrect wiring may cause device malfunction or damage to the connected system.

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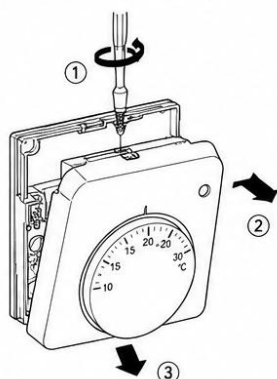
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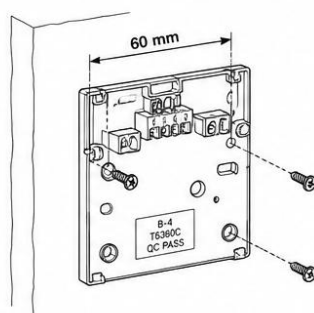
Installation Instructions

1 Remove the Front Cover



- ① Loosen the screw on the top of the thermostat.
- ② Pull the front cover forward.
- ③ Remove the front cover.

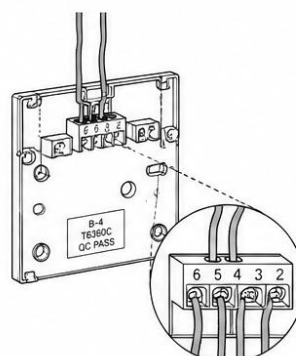
2 Fix the Base Plate



Fix the base plate to the wall using the two mounting holes.

i Mounting hole distance (horizontal): 60 mm

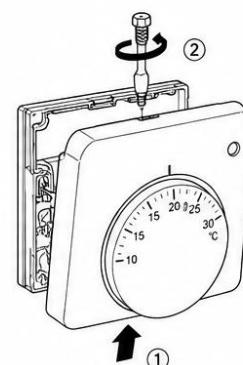
3 Connect the Wiring



Connect the cables to the terminals according to the wiring diagram for your application.

! Ensure that the cables are securely inserted and the terminal screws are tightened.

4 Install the Front Cover



- ① Hook the front cover to the bottom of the base plate.
- ② Push the top of the cover and secure it with the screw.

✓ Installation Completed

Installation Notes

- Disconnect the power supply before installation.
- Installation must be performed by qualified personnel.
- Ensure all terminal connections are securely tightened.
- Verify the wiring according to the selected application type.



Valve Connection Note

- For normally closed heating valves, use Terminal 3.
- For normally closed cooling valves, use Terminal 4.