

FCT Series

Fan Coil Thermostat

20260210R1

Technical Catalogue



The Havkon FCT.1041 is a **mechanical fan coil room thermostat** developed for **reliable** and **precise temperature control** in residential, commercial and hotel HVAC applications. Designed for compatibility with both **2-pipe** and **4-pipe fan coil systems**, the thermostat provides stable room comfort with simple and intuitive user operation.

The device features **manual heating and cooling mode selection** together with integrated **3-speed fan control**, allowing users to easily adjust the indoor climate according to seasonal and operational requirements. Its robust **mechanical switching structure** ensures dependable long-term operation for **fan coil units**, **motorized valves** and auxiliary HVAC control applications.

With its **compact wall-mounted design**, **easy installation structure** and **high control sensitivity**, the FCT.1041 offers an economical and practical solution for modern climate control systems. The thermostat is suitable for applications requiring **reliable room temperature management**, **user comfort** and straightforward operation without complex commissioning procedures.

Features

- Compatible with 2-Pipe and 4-Pipe Fan Coil Systems
- Manual Heating / Cooling Mode Selection
- 3-Speed Fan Control
- Precise Mechanical Temperature Regulation
- High Reliability Switching Contacts
- Easy Wall-Mounted Installation
- Elegant and Compact Design

Order Codes

FCT.1041

Mechanical Fan Coil Room Thermostat

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

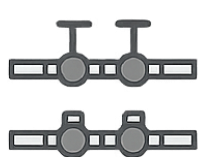


The **Havkon FCT.1041** operates with a mechanical temperature sensing element that controls heating or cooling demand according to the user-defined setpoint. The thermostat provides direct switching control for fan coil applications without requiring additional electronic control circuitry.

The integrated fan selector enables manual low, medium and high fan speed operation, while the thermostat output can control heating/cooling valves or fan operation depending on the application configuration.

Typical Applications

- Hotels
- Offices
- Residential Buildings
- Commercial Fan Coil Systems
- Standalone HVAC Control Applications



2 Pipe / 4 Pipe



3-Speed Fan



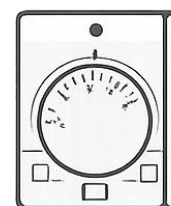
Heating /
Cooling



Mechanical
Control



Easy
Installation



Wall
Mounted

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Technical Specifications

Electrical Data	Power Supply	230 VAC $\pm$ 10% , 50/60 Hz
	Fan Switching Capacity	Maximum fan output current: 1 A inductive load @ 230VAC
	Connection	Terminal Block, max. 1.5 mm ² cable
	Thermostat Contact Lifetime	$\geq$ 200.000 operations
	Manual Switching Lifetime	20.000 operations
Environmental Conditions	Operating Temperature	0 ... +40°C
	Storage Temperature	-20 ... +70°C (without icing and condensation)
	Relative Humidity	10...90% RH (non-condensing)
Functions	Heating/Cooling Control	Manual Selection
	Fan Control	3-speed manual control
	Output Type	230 VAC thermostatic output
	Application	2-pipe and 4-pipe fan coil systems
Mechanical Data	Measurement Parameter	Temperature
	Temperature Range	10...30°C
	Temperature Control Accuracy	$\pm$ 1.0°C @ 20°C
	Housing Material	Fire resistant plastic
	Color	White
Protection & Standards	Protection Degree	IP 20
	Standard	EN 60529

Enclosure Specifications

Mounting	Wall mounted
Dimensions	W85 x H130 x D40mm (Width x Height x Depth)
Weight	195 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.

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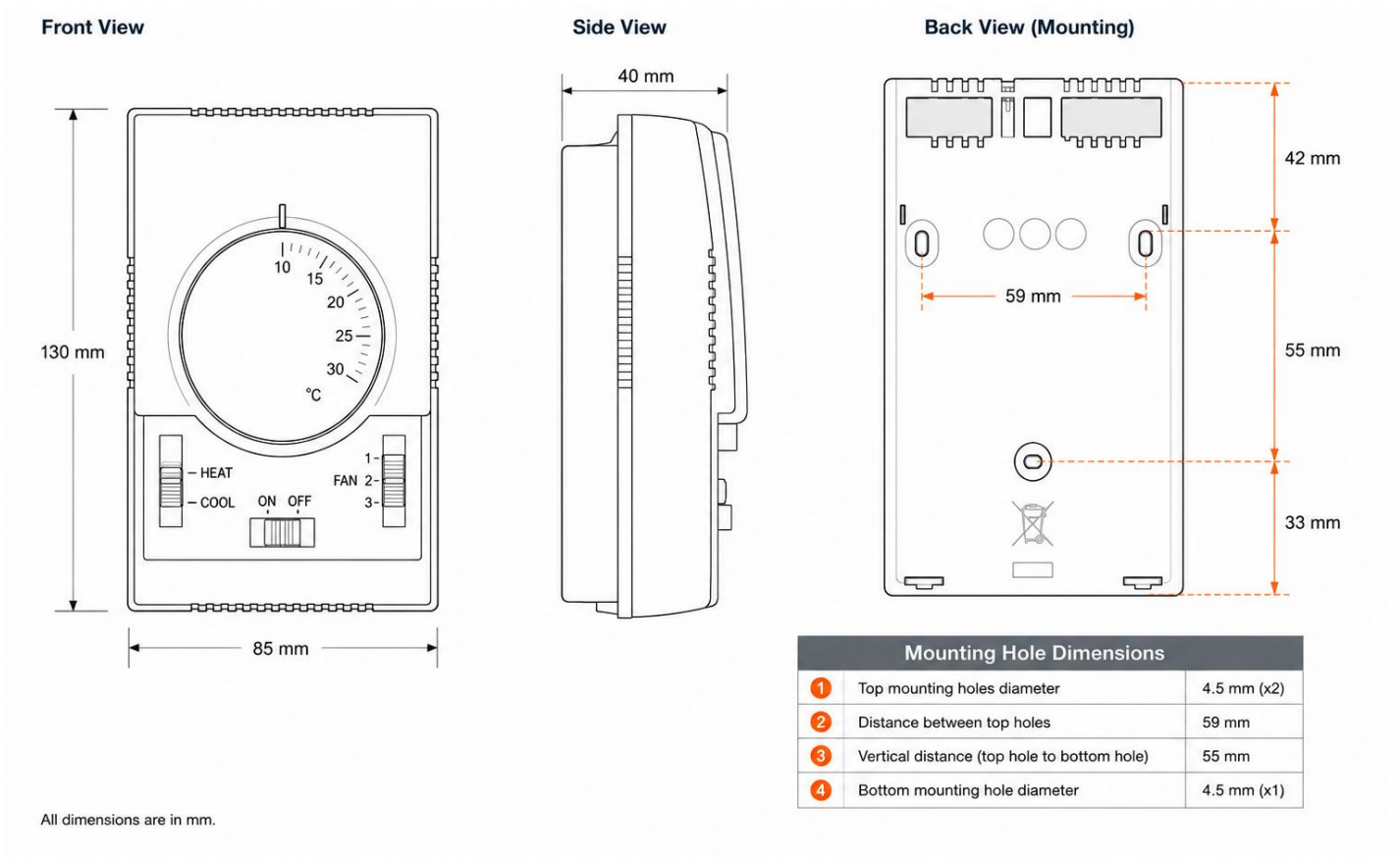
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User Interface & Operation

Interface	Function
Rotary Temperature Knob	Precise room temperature adjustment
3-Speed Fan Selector	Manual fan speed control
Heating / Cooling Selector	HVAC operating mode selection
Power Switch	Device ON/OFF control

Dimensions



Weight: 195 g

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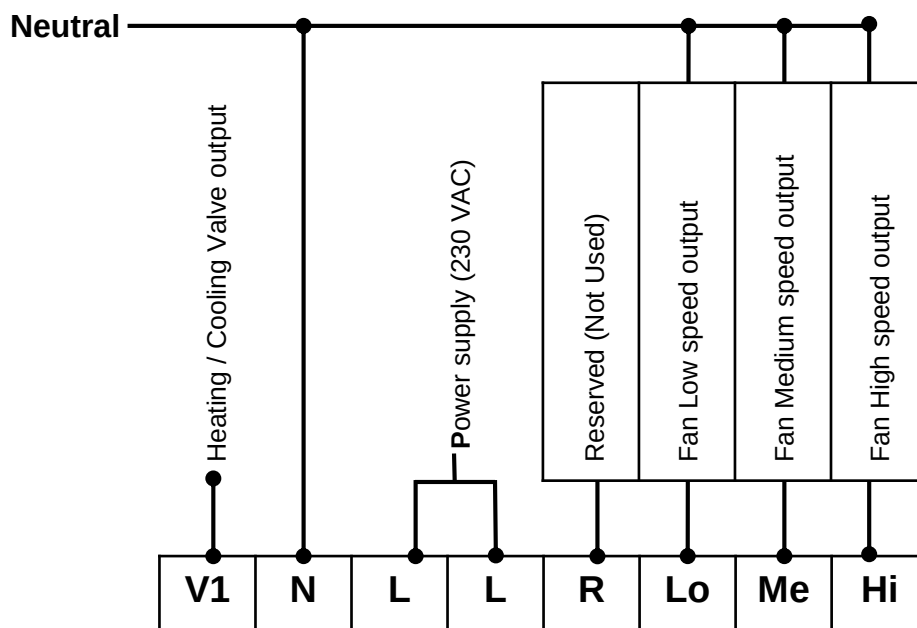
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Wiring Diagram

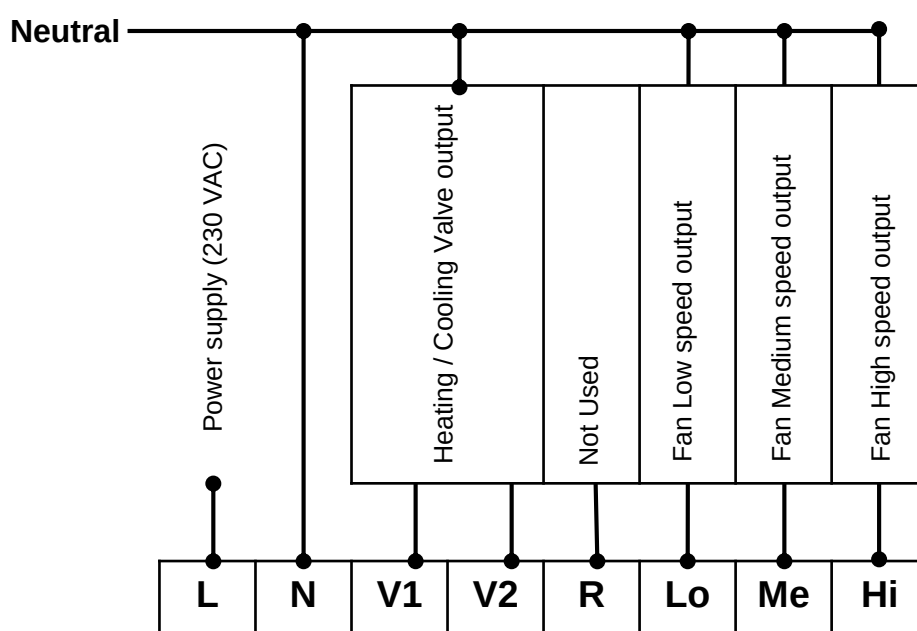
2-Pipe System – Valve Controlled Thermostatic Fan

Typical connection diagram for 2-pipe fan coil applications with thermostatic fan control and heating/cooling valve output.



2-Pipe System – Valve Controlled Continuous Fan

Typical connection diagram for 2-pipe fan coil applications with continuous fan operation and heating/cooling valve control.



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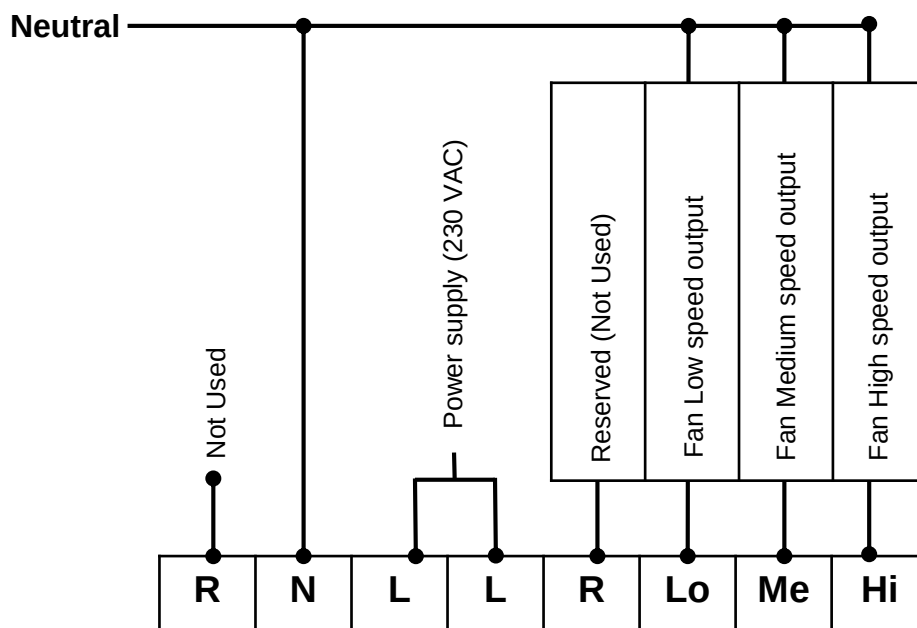
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Wiring Diagram

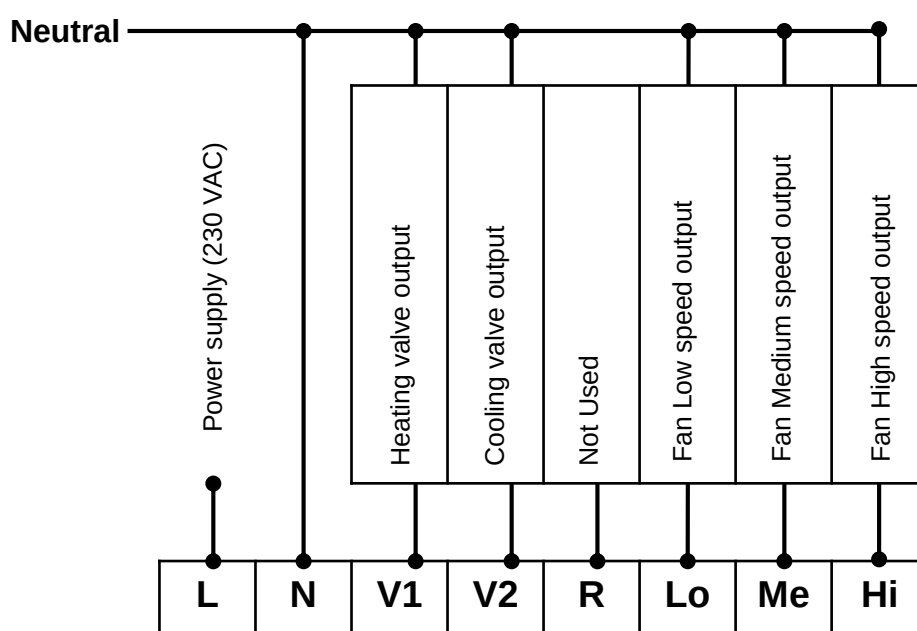
2-Pipe System – Thermostatic Fan (Without Valve)

Typical connection diagram for 2-pipe fan coil applications without valve control and with thermostatic fan operation.



4-Pipe System – Continuous Fan

Typical connection diagram for 4-pipe fan coil applications with independent heating/cooling outputs and continuous fan operation.



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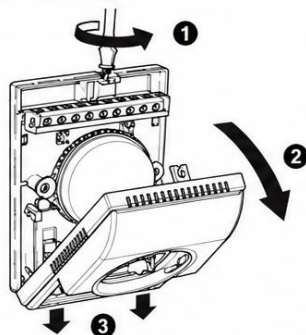
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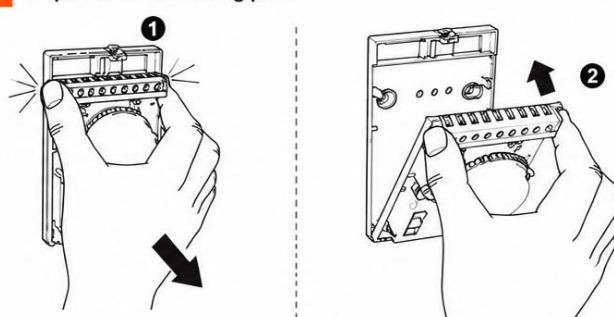
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Installation Diagram

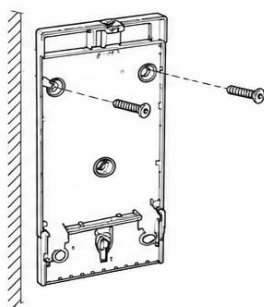
- 1** Remove the front cover.



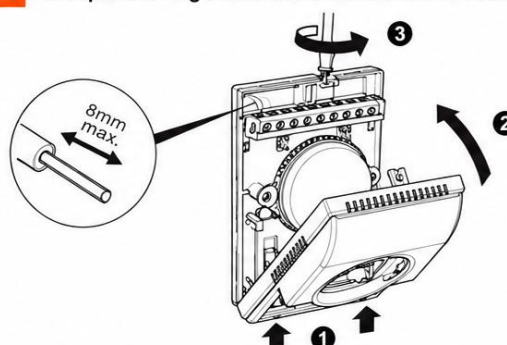
- 2** Separate the mounting plate.



- 3** Fix the mounting plate to the wall.



- 4** Complete wiring and reassemble the thermostat.



i Recommended mounting height: approx. 1.5 m above floor level.