

FMC Series

Fan Coil Multiplication Module

20260921R1

Technical Catalogue



The **Havkon FMC Series** is designed to expand the output capacity of a single room thermostat, enabling control of multiple fan coil units from one controller. It offers a practical and reliable solution for residential, hotel, and commercial HVAC applications.

With **three independent relay outputs** for **3-speed fan control** and separate valve distribution outputs, the FMC Series simplifies system wiring while ensuring stable and efficient operation. It is suitable for both **2-pipe and 4-pipe fan coil systems**.

The module allows **up to four fan coil units** to be controlled from a single thermostat, helping reduce installation complexity and providing a compact distribution solution for fan coil applications.

Combining reliable performance, easy installation, and flexible application capability, the FMC Series provides a simple and dependable solution **for multi-unit fan coil control systems**.

Features

- Control of up to 4 fan coil units from a single thermostat
- 3-speed fan control via three independent relay outputs
- Separate valve outputs for each fan coil unit
- Suitable for 2-pipe and 4-pipe fan coil systems
- Simple and organized field wiring
- Power supply output for connection to an additional unit

Order Codes

FMC.04	4-Output Fan Coil Multiplication Module, Wall Mount
FMC.04.R	4-Output Fan Coil Multiplication Module, DIN-Rail Mount
FMC.04.B	4-Output Fan Coil Multiplication Module, IP65 Enclosure

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.

FMC Series

Fan Coil Multiplication Module

20260921R1

Technical Catalogue

Product Overview



The **Havkon FMC Series** is a fan coil multiplication module designed to expand the output capacity of a single room thermostat and distribute control signals to multiple fan coil units. It provides a practical and reliable solution for residential, hospitality, and commercial HVAC applications where multiple fan coil units need to operate from one controller.

Supporting **up to four fan coil units**, the FMC Series provides **independent relay outputs for 3-speed fan control** together with separate heating and cooling valve signal distribution. Designed for both **2-pipe and 4-pipe fan coil systems**, it simplifies field wiring, reduces installation complexity, and delivers reliable operation in a compact and effective form.

Key Features & Functions

Application Areas

- Fan Coil Units
- Hotels & Hospitality Facilities
- Office Buildings
- Residential Buildings

Control Architecture

- Control of up to 4 fan coil units
- 3-speed fan relay outputs
- Separate heating valve signal distribution
- Separate cooling valve signal distribution

Installation Benefits

- Simplified field wiring
- Organized terminal structure
- Additional power output for connection to another unit
- Wall mount, DIN-rail mount, and IP65 enclosure options

System Compatibility

- Suitable for 2-pipe fan coil systems
- Suitable for 4-pipe fan coil systems
- Compatible with single room thermostat control
- Compact solution for multi-unit fan coil applications

FMC Series

Fan Coil Multiplication Module

20260921R1

Technical Catalogue

Technical Specifications

Electrical Data	Power Supply	230 VAC $\pm$ 10%
	Frequency	50/60 Hz
	Power Consumption	Max. 1 VA
	Electrical Connection	Pluggable Terminal Blocks, up to 2.5 mm ²
	Fan / Valve Output Voltage	230 VAC
	Maximum Current	5 A
Functional Data	Fan Control	3-Speed Relay Output
	Fan Coil Capacity	Up to 4 Fan Coil Units
	Valve Control	Heating and Cooling Valve Output Distribution
	Fan Coil System	2-Pipe / 4-Pipe
	Application	Fan Coil Multiplication Module
Environmental Data	Operating Temperature	0...50 °C
	Ambient Humidity	5...95% RH, non-condensing
	Protection Degree	IP00 – FMC.04 / FMC.04.R IP65 – FMC.04.B

Mechanical Specifications

	FMC.04	FMC.04.R	FMC.04.B
Mounting	Wall Mount	DIN-Rail Mount	Wall Mount / IP65 Enclosure
Dimensions	W149xH86xD50mm (Width x Height x Depth)	W149xH86xD52mm (Width x Height x Depth)	W149xH218xD96.5mm (Width x Height x Depth)
Weight	240 g	315 g	708 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.
- Route all wiring in accordance with applicable electrical regulations and installation requirements.
- Protect the device from moisture, dust, and vibration.

Recommended: Use an external fuse rated max. 6 A for supply protection.

FMC Series

Fan Coil Multiplication Module

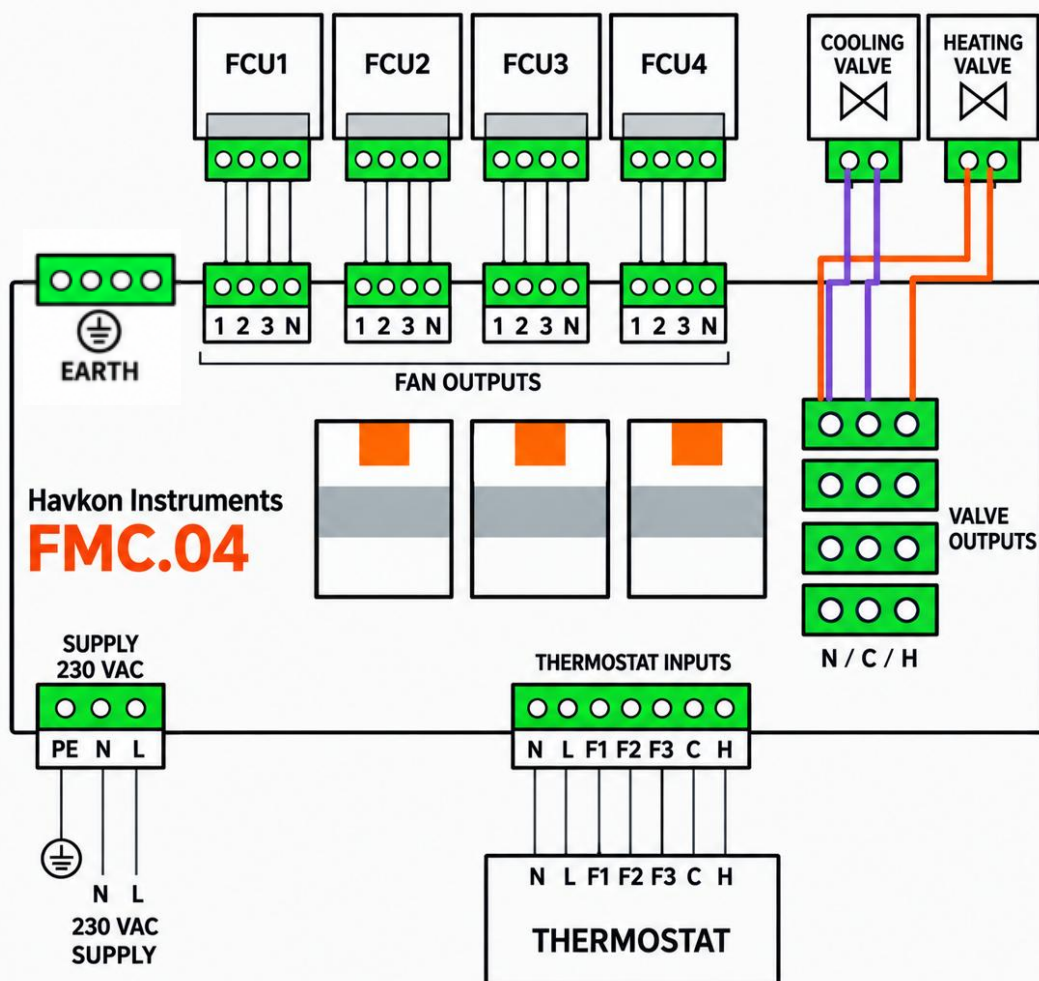
20260921R1

Technical Catalogue

Wiring Diagram

The following diagram illustrates the typical wiring connections of the FMC Series for power supply, thermostat input, fan speed distribution, and valve output connections.

Check terminal markings before installation. Disconnect power before wiring.



FMC Series

Fan Coil Multiplication Module

20260921R1

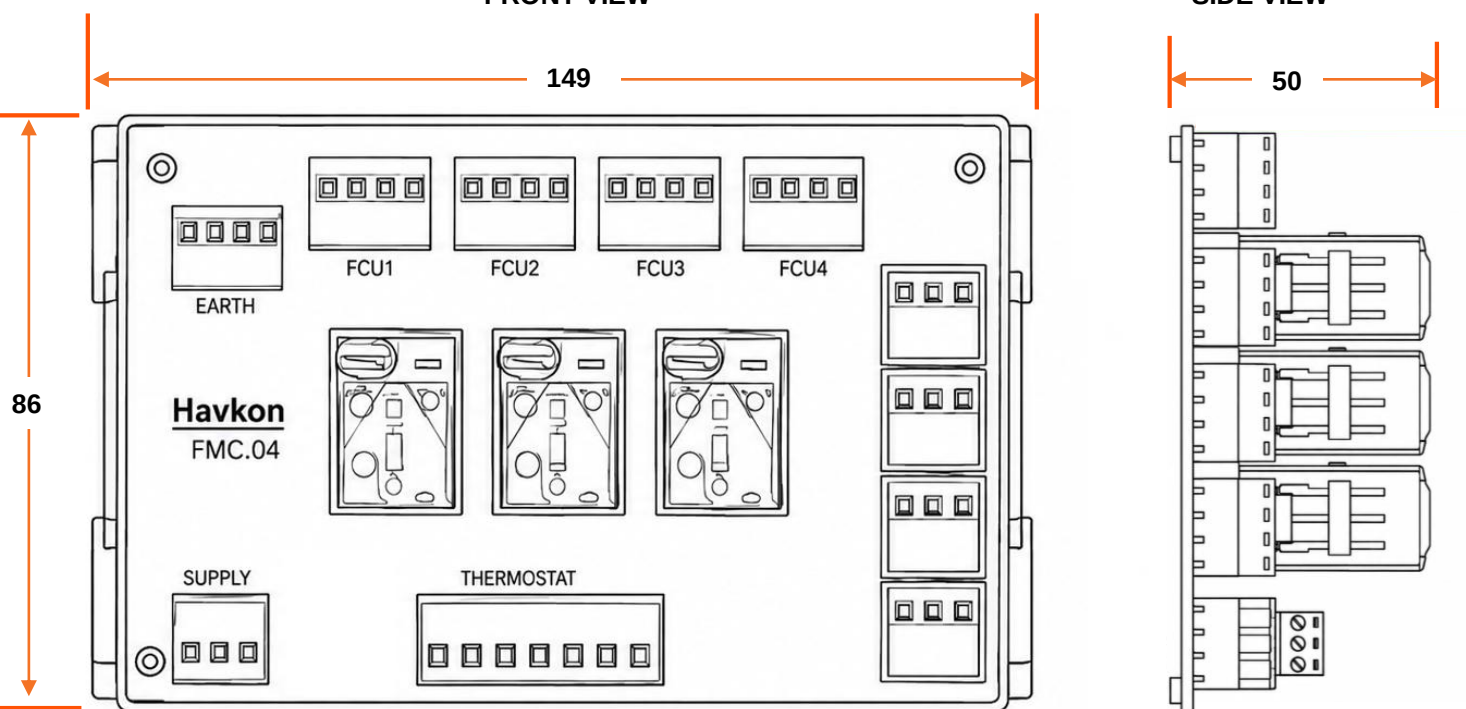
Technical Catalogue

Dimensions

The **Havkon FMC.04** model features a compact board assembly suitable for direct wall-mounted fan coil multiplication applications.

FRONT VIEW

SIDE VIEW



All dimensions are in mm.

PARAMETER	VALUE
Width	149 mm
Height	86 mm
Depth	50 mm
Weight	240 g

FMC Series

Fan Coil Multiplication Module

20260921R1

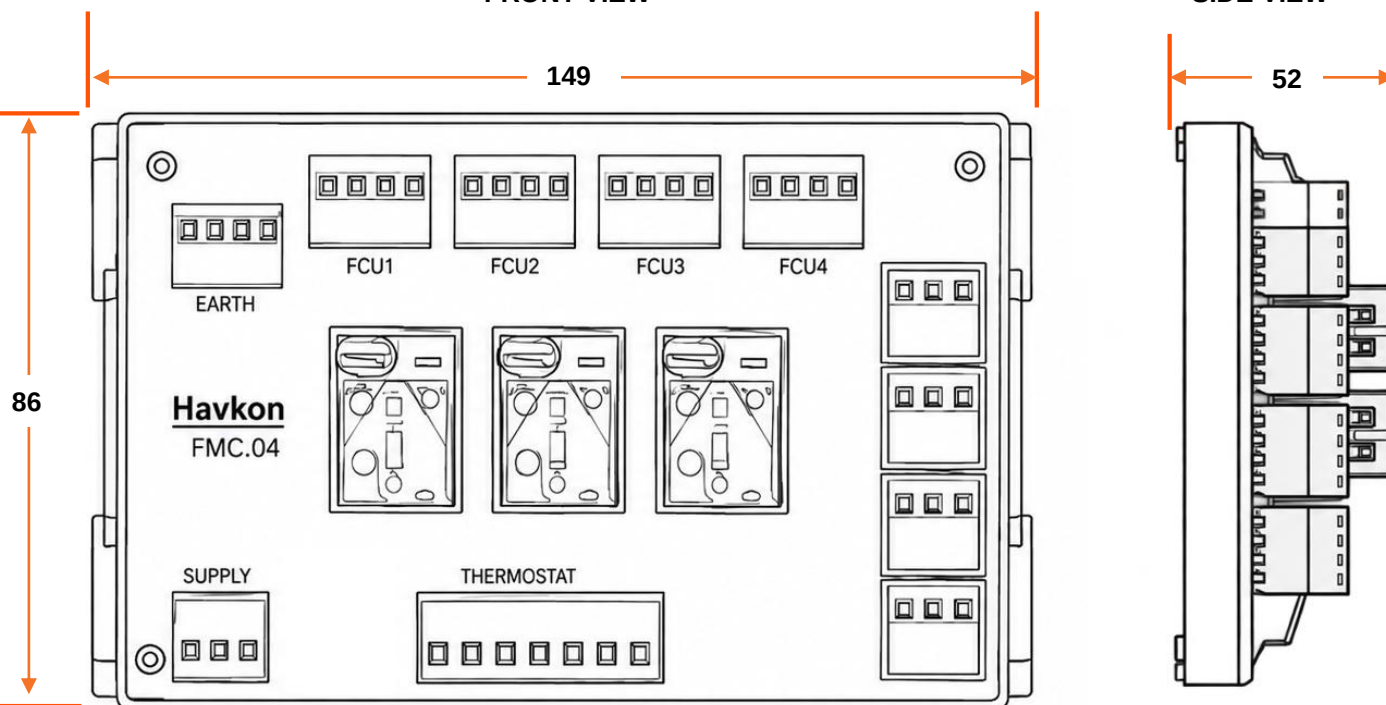
Technical Catalogue

Dimensions

The **Havkon FMC.04.R** model features a compact board assembly suitable for DIN-rail-mounted fan coil multiplication applications.

FRONT VIEW

SIDE VIEW



All dimensions are in mm.

PARAMETER	VALUE
Width	149 mm
Height	86 mm
Depth	52 mm
Weight	315 g

FMC Series

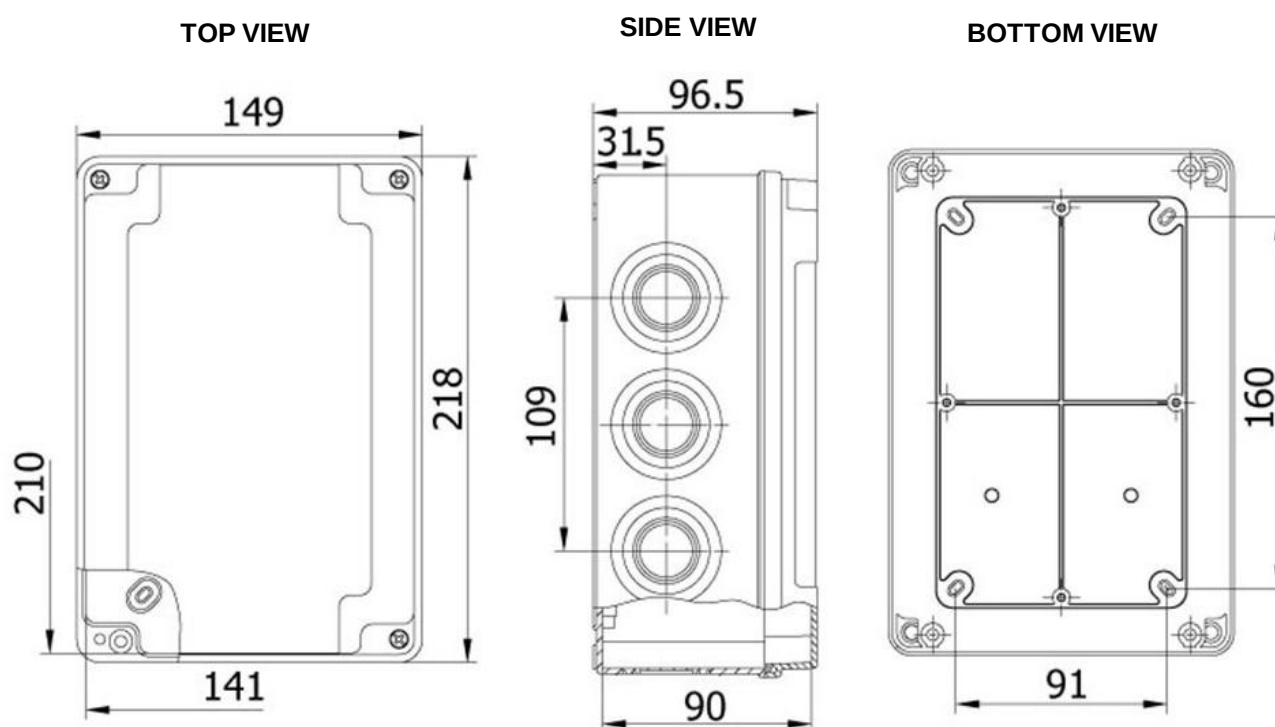
Fan Coil Multiplication Module

20260921R1

Technical Catalogue

Dimensions

The **Havkon FMC.04.B** model is designed with a compact IP65 enclosure suitable for wall-mounted fan coil multiplication applications.



All dimensions are in mm.

PARAMETER	VALUE
Width	149 mm
Height	218 mm
Depth	96.5 mm
Weight	708 g