Parameters

Electrical Parameters:

Bus voltage	DC18-30V
Power consumption	80.5mA/DC24V
Input voltage	110VAC/230VAC
Electronic life time of relay	More than 60000

Environmental Conditions:

Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%

Approved:

CE
RoHS

Product Information:

Dimensions	144mm×90mm×66mm
Net weight	340.5g
Housing material	Nylon, PC
Installation	35 mm Din rail
Protection rating	IP20

HDL Buspro Cable Guide

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/Orange	DC24V	Red
Brown white/Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/Green	DATA+	Yellow

Important Notes

■ Buspro cable—Only use HDL Buspro/KNX cable or CAT5E cable.

■ Buspro connection—It is recommended series connection (hand-in-hand).

■ Installation—35 mm Din rail installation

■ Check connection—check all connections after istallation, ensure they are correct.

■ It should be used in conjunction with panels. The target parameter configuration should be single channel control. The speed of the fan is set as 0-7.

■ If the power load is different the output voltage will be different.

Overview

HDL-MFAN04.432 is an Electric fan controller. with 4 channel outputs, each channel can output 8 different voltages.
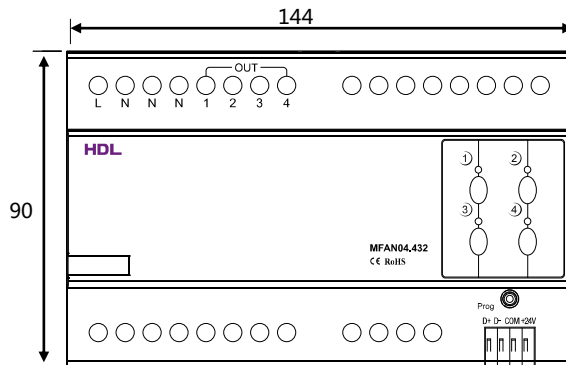
Functions

■ The MFAN04.432 can simultaneously support four fans.

■ The MFAN04.432 can be controlled via a HDL panel.

■ Each channel can output 8 fan speeds; 0 being off and 7 being maximum.

■ Through output different voltage to control wind speed.

■ The MFAN04.432 can be easily programmed.

■ The MFAN04.432 can be upgraded online.

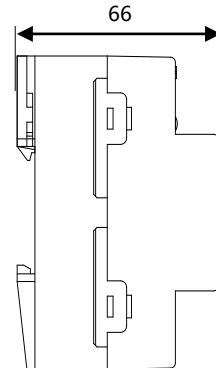■ The MFAN04.432 communicates via the HDL Buspro protocol.

Output voltage (based on a load of 95w)

Speed	Output voltage	Speed	Output voltage
0-Speed	0	4-Speed	152V
1-Speed	89V	5-Speed	169V
2-Speed	113V	6-Speed	188V
3-Speed	135V	7-Speed	215V

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Dimensions and wiring

144

66

90

MFAN04.432
CE RoHS

Prog
D+ D- COM +24V

Front view

Side view

L

N

110V/230VAC

1

HDL

2

MFAN04.432
CE RoHS

Prog
D+ D- COM +24V

3

4

5

6

Buspro
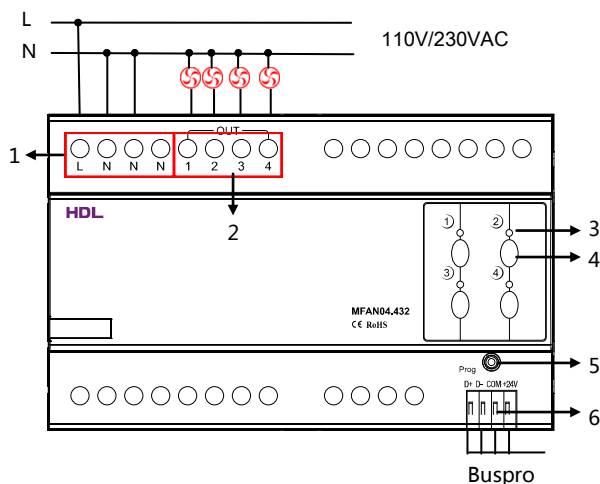
1.   110V/230V AC input.

2.   Output channels. Each channel can connect to 1 electric fan, and output 8 speeds.

3.   LED Indicator– this shows the state of each channel.

4.   Manual push button to control output channel,

5.   Programming button and LED indicator:
To set the device address, press the programming button for three seconds . The LED indicator will then turn red showing that the address can now be modified via the HDL Buspro setup tool.

6.   HDL Buspro port, ensure the wire correction is compliant to the definition.

Safety Precautions ⚠ WARNING

■   The screw down torque should not exceed 0.4Nm.

■   Installation-Inside DB box.

■   Ensure that the Buspro interface is correctly connected to the module.

■   Do not connect the Buspro interface to AC power.

■   Do not let the module come into contact with hazardous liquids or corrosive gases.

■   When the module fails, please contact the professional maintenance personnel or our company.

■   Ensure good ventilation.

Package Contents

■   HDL-MFAN04.432   *1

■   Datasheet   *1

■   Bus terminal   *1

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