

Parameters

Electrical Parameters:	
Bus voltage	DC18-30V
Power consumption	31mA/DC24V
Input voltage	110VAC/260VAC
Electronic life time of relay	More than 60000
Environmental Conditions:	
Working temperature	-10°C~+45°C
Working relative humidity	< 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	< 93%
Approved:	
CE	
RoHS	
Product Information:	
Dimensions	144mm×90mm×66mm
Weight	340.5g
Housing material	Nylon, PC
Installation	35 mm Din rail
Protection degree	IP20

HDL 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

- Only use HDL Buspro/KNX cable or CAT5E cable.
- The Buspro connection is a series connection (hand-in-hand).
- The MFAN04.432 module is designed to control electric fans.
- If the power load is different the output voltage will be different.
- Do not connect the module to AC power, or expose to extreme heat.

Overview



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

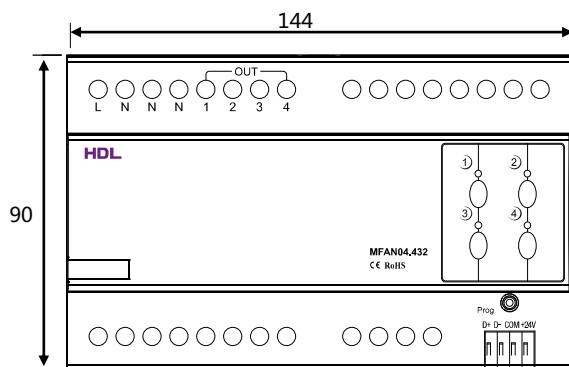
Functions

- 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 communicates via the HDL Buspro protocol.

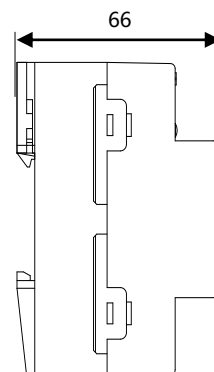
Output voltage (based on a load of 95w)

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

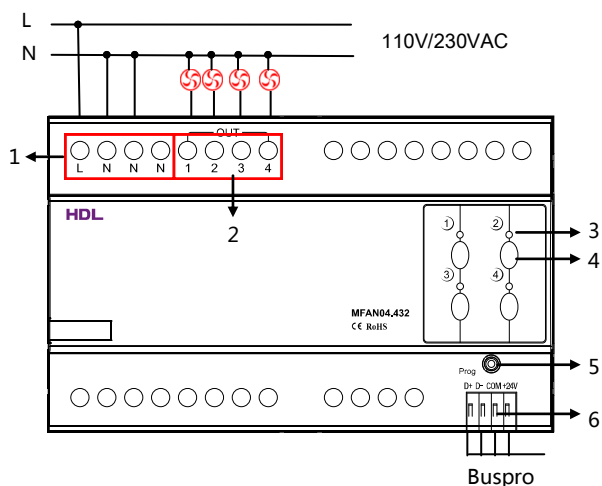
Dimensions and wiring



Front view



Side view



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

Safety Precautions



- The screw down torque should not exceed 0.1Nm.
- Ensure that the Buspro interface is correctly connected to the module.
- Do not connect the module to AC power.
- Do not let the module come into contact with hazardous liquids or corrosive gases.

Package Contents

- HDL-MFAN04.432 *1
- Datasheet *1

