

4 Channel Ceiling Fan Controller–Mesbus Technical Documentation

MES-CFC-4



Features:

- 4 Channel Ceiling Fan Controller
- Control up to 5 speed for each channel.
- Manual output operation with push button and LED indication.
- 10 Scene Functionality
- Total data saving on bus failure
- Din rail mount assembly
- Programming button
- CE Mark

General Product Specifications				
Mesbus Supply	Type of Device		Electric Operation Control Device	
	Voltage (Typical)		29VDC SELV	
	Voltage Range		21-31VDC	
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	11	320
	24VDC	12.5	300	
Bus Connection		Typical Bus Connector TP1, 0.5mm ² section		
External Supply		24VDC		
Speed control for each channel		Step 1 to 5 and OFF		
Protection		Fuse Protection		
IP Level		IP20		
Isolation		Yes		
Operating Temperature		0 – 70°C		
Storage Temperature		-25°C to 75°C		
Ambient Humidity		5 to 95% RH (No Condensation)		
Manual Test Facility		2 Push Buttons: 1 – Select Fan No. 2 – Select Fan Speed		
Mesbus Programming Button and LED Usage		Yes		
Power Failure Response		Data Saving		
Response when Starting		Data Recovery and application of other settings		
Operation indicators		LED (Red) for DC Power ON, LEDs (Green) to indicate fan channel Selection, LED (Red) Programming button		

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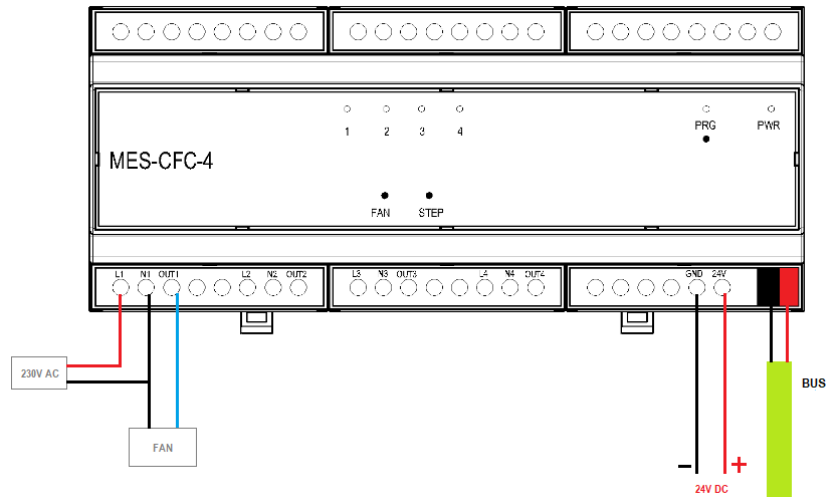
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Output Specifications And Connections	
No of Channels	4
Maximum Load per channel (Recommended)	90W
Mains Input Voltage	230VAC (50 Hz) +10% -20%
Connection Type	Terminal Block (Screw)
Recommended cable section	2.5sqmm
Cable Type	Stranded or Solid Wire

WIRING DIAGRAM

- Manual Push Button:
1. FAN: Select Fan Channel to operate
 2. STEP: Select speed of Fan from 0 to 5
- LED:
1. Red: Power LED
 2. Green: Selected Fan channel 1 to 4



SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point of the Mesbus connector; it would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the Mesbus or the wires of other accessories, in case of being installed.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.

