

# MES-DIM-4V



## Features:

- 4 Channels of 0-10V output and 4 channels for Relay switching
- Manual output operation with push button and LED status indicator
- 10 Scene functionality
- Total data saving on bus failure
- Possibility of connecting different phases in different outputs
- Programming button and LED
- DIN rail mount assembly
- CE Marking\*

## General Product Specifications

Type of Device		Electric Control Operation Device		
MESBUS Supply	Voltage (typical)		29VDC SELV	
	Voltage Range		21-31 VDC	
	Maximum Consumption	Voltage 29VDC (typical)	mA 10	mW 290
	Bus Connection		Typical Bus Connector TP1, 0.8 mm <sup>2</sup> section	
External Supply		24VDC, 150mA		
Operating Temperature		0 – 70°C		
Storage Temperature		-25 to +75°C		
Ambient Humidity		5 to 95% RH (No Condensation)		
Storage Humidity		5 to 95% RH (No Condensation)		
Manual Test Facility		4 Push button switches – On/Off and Dimming		
Operation Indication		1 LED (Red) to indicate the power status of the module 1 LED (RED) to indicate the Programming LED 4 LEDs (Green) to indicate the status of each channel		
Usage		Indoor, to be mounted inside distribution boxes or Electrical panels with DIN rail		
IP Class		IP 20		
Dimension		71.3 (L) X 90.5 (H) X 62 (D) mm [4 DIN Units]		
Power Failure Response		Data saving		
Response when Starting		Data recovering and other settings		

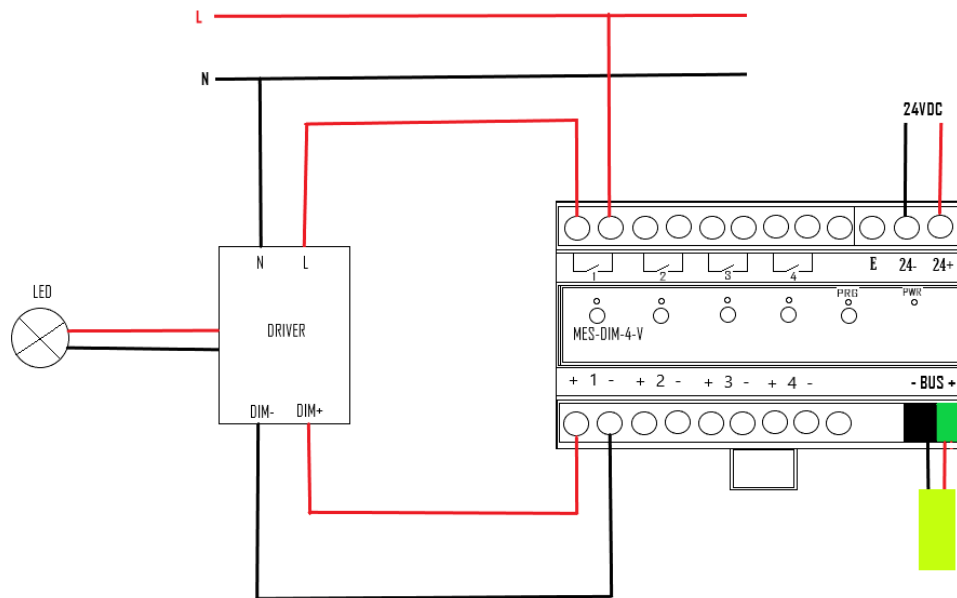
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Output Specifications		
No. of Outputs		4 – Relays
No. of Channels		4 – Dimming
Control of Each Output		Relay
Control of Each Channel		0-10V
Outputs per Common		1 individual output
Output Relay Rating		16A/250VAC
Maximum Current		16A
Maximum Power		4000VA
Connection Type		Screw Terminal Block
Recommended Cable Selection		0.5mm <sup>2</sup> to 4mm <sup>2</sup> (26-10AWG)
Cable Type		Stranded or Solid Wire
Expected Life	Mechanical	1 X 10 <sup>7</sup> operations
	Electrical	1 X 10 <sup>5</sup> cycles
Max Number of Drivers		7

### Wiring Diagram



### 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.



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