

MES-DIM-4V



Features:

- 4channel 0-10V Dimmer
- Manual output operation with push button and LED status indicator
- 10 Scene functionality
- Din rail mount assembly
- Total data saving on bus failure
- Possibility of connecting different phases in different outputs
- Programming button & LED
- CEMark*

General Product Specifications				
Type of Device		Electric control operation device		
MESBUS Supply	Voltage (typical)		29VDC SELV	
	Voltage Range		21-31 VDC	
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	10	290
Bus Connection		Typical Bus Connector TP1, 0.8 mm ² 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		
Usage		Indoor, to be mounted inside distribution boxes or electrical panels with DIN rail		
IP Class		IP 20		
Power Failure Response		Data saving		
Response when starting		Data recovering and other settings		
Operation Indication		1 Programming LED indicates programming mode (Red). 4 Output status LED indicators reflect current output state (Green). 1 Power Status LED indicates Power status of Module (Green)		

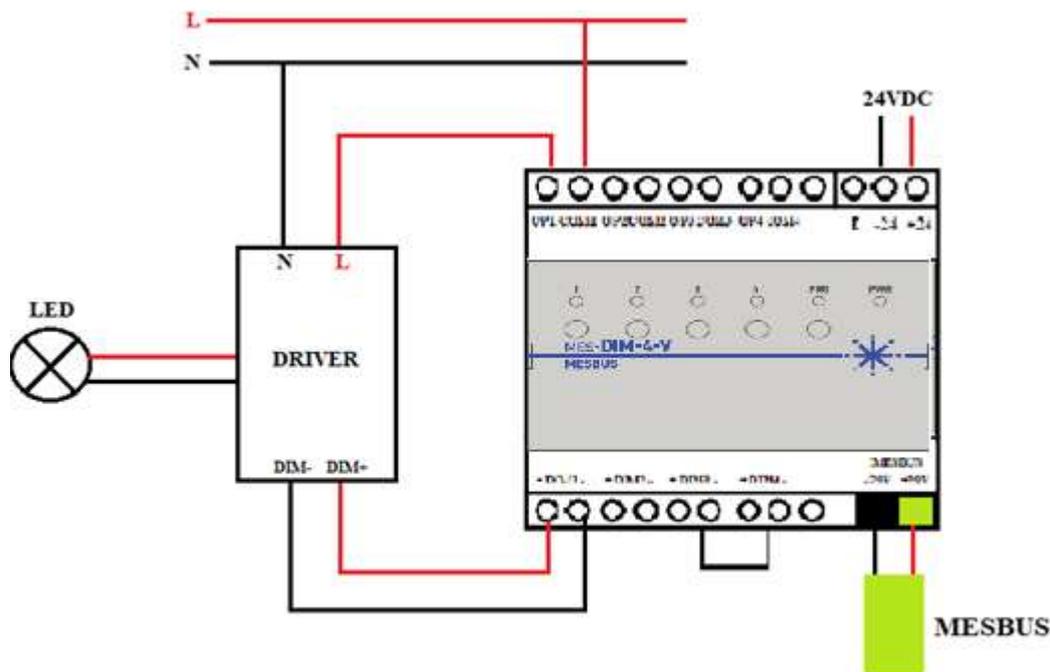
Messung Systems Pvt. Ltd.

501 Lunkad Sky Vista, Viman Nagar, Pune 411 014, India.

T: +91 20 6649 2800 | e: info@messung.com | w: www.messung.com

Output Specifications		
No. of Outputs	4 – Relays	
No. of Channels	4 – Dimming	
Control of each output	Relay	
Control of each channel	1-10V	
Outputs per common	1 individual output	
Output Relay rating	16A/250VAC	
Contact type	Potential free outputs through relays with tungsten pre-make contact	
Maximum Inrush current	492A/1.5ms (inductive load)	
	165A/20ms (Resistive load)	
Maximum current	16A	
Maximum Power	Resistive Load 4000W	
	Inductive Load 3000W	
Connection Type	Screw Terminal Block	
Recommended cable selection	0.5mm ² to 4mm ² (26-10AWG)	
Cable Type		
Expected Life	Mechanical	5 million operations
	Electrical	12,000 cycles
Max number of Drivers per channel	7	

Wiring Example: 1.LED with driver



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.



Messung Systems Pvt. Ltd.

501 Lunkad Sky Vista, Viman Nagar, Pune 411 014, India.

T: +91 20 6649 2800 | e: info@messung.com | w: www.messung.com