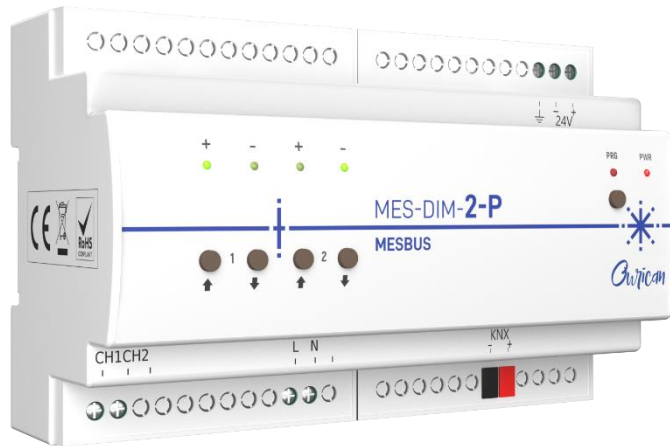


2 Channel Dimmer – MESBUS Technical Documentation

MES-DIM-2P



Features:

- 2 Individual outputs / Channels
- 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 Configuring Trailing-Edge and Leading-Edge per channel
- Programming button
- CE Mark*

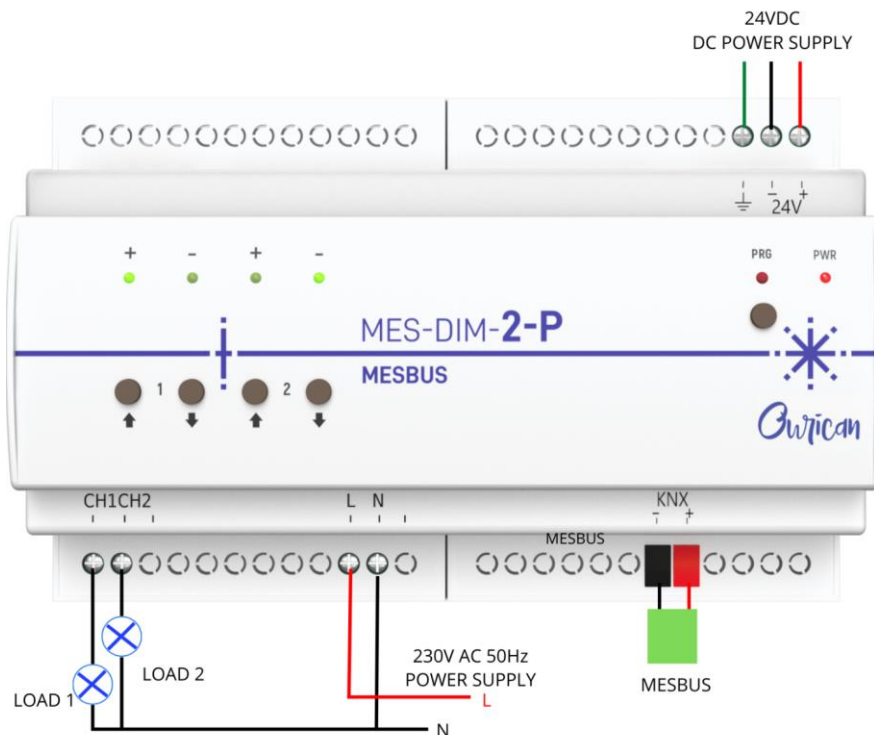
General Product Specifications				
		Type of Device	Electric control operation device	
MESBUS Supply	Voltage (typical)		29VDC SELV	
	Voltage Range		21-31 VDC	
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	10	290
Bus Connection		Typical Bus Connector TP1, 0.8 mm ² section		
Mains Supply		230 VAC (50 Hz), +10%, -20%		
External supply		Yes, 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)		

Output Specifications	
No. of Channels	2– Dimming
Dimming Control	On/Off and Dimming 0 – 100%
Short Circuit Protection	Yes
Outputs per common	1 individual output
Maximum Allowed Power	250W Per Channel
Connection Type	Screw Terminal Block
Recommended cable selection	0.5mm ² to 4mm ² (26-10AWG)
Cable Type	Stranded or Solid wire.
Load Type	Incandescent and LED

Error Indication using LEDs:

1. AC Power Supply Failure: One LED of each channel will blink for 1 second.
2. Overheating: Both the LEDs of each channel will blink for 1 second.
3. Short Circuit Error: Both the LEDs of the channel with error will blink alternately for 0.25 seconds each.

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.

