MATTER-CV-M2

MATTER inputs
1-2 channels PWM output

48x48x22,8 mm
weight: 35 gr

TECHNICAL FEATURES

- Dimmer with Matter WiFi control and Push input (isolated/non-isolated)
- **Compatible with Matter WiFi control devices**
- Selection of 1-channel/2-channel/Tunable White mode
- **Power supply LED**
- **Output status LED**
- Power supply and output terminals 0.05÷3 mm² (30÷12 AWG)
- PWM frequency: 390Hz, 3000Hz, 10000Hz
- Protection against: polarity reversal, short circuit, open circuit, voltage spikes
- Total power output 144W at 12V, 288W at 24V, 576W at 48V
- **UL Printed Circuit Board**

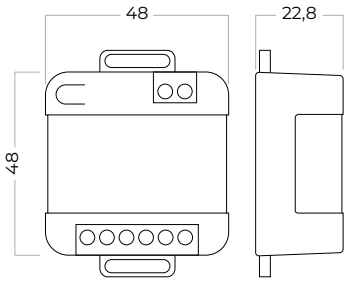
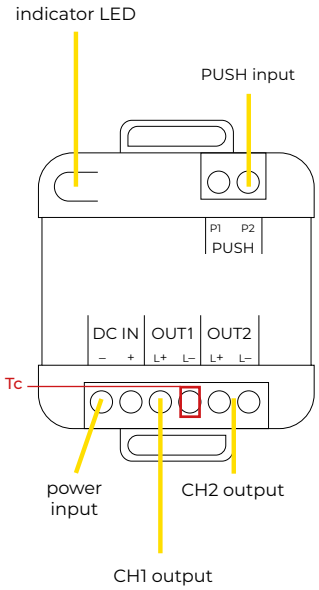


figure A

SAFETY WARNINGS

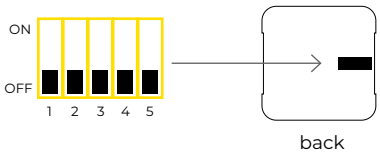
- Minimum storage temperature: -40°C, maximum storage temperature: 60°C
- Minimum operating temperature: -20°C, maximum operating temperature: 50°C
- Maximum Tc point: 85°C
- Tc is located on the terminal screw corresponding to the Tc indication *(see figure A)*



The **MATTER-CV-M2** dimmer is a **very low voltage** 12, 24 and 48V DC PWM dimmer suitable for controlling LED strips and PWM dimmable LED loads.
The dimmer can be controlled via a push button (N/O normally open) at mains voltage or 12, 24-48V or the MATTER system.
The **MATTER-CV-M2** dimmer is managed by MATTER on an 802.11 WiFi network.

The dimmer is also equipped with an LED indicator to show that it is correctly powered.
The **MATTER-CV-M2** dimmer must be powered according to the polarity indicated in **FIG. 1** via the DC IN terminals (+ and -).
If the power supply polarity is reversed, the device will not be damaged. The LED load must be connected using the OUT terminals (L+ and L-).

ATTENTION!
The DIP switch MUST be located on the right side of the back of the dimmer box!



CODE	VOLTAGE RANGE	CURRENT OUTPUT	POWER OUTPUT	OUTPUTS	INPUT	LOAD TYPE	PART NUMBER
MATTER-CV-M2	8÷53 V DC	12A	576W a 48V 288W a 24V 144W a 12V	1 - 2	**MATTER WIFI** / PUSH	monochrome / tunable white	L801MA0FT1A01

Maintenance: The appliance is maintenance-free.
Use a dry cloth to clean it.
The use of solvents or other aggressive substances should be avoided at all costs.

Disposal: at the end of its useful life, the product described in this data sheet is classified as waste from electronic equipment according to the European Directive 2012/19/EU (WEEE recast), implemented in Italy with Legislative Decree no. 49 of 14 March 2014, and cannot be disposed of as unsorted municipal solid waste. **Important**: Improper disposal of the product may cause serious harm to the environment and human health. For proper disposal, inquire about the collection and treatment methods provided by the local authorities.