

Care, faults & disposal

Care and servicing

Isolate all supplies before cleaning. Use a soft, dry cloth. Do not use liquids, solvents or abrasives.

Do not open, modify or repair the module. Contact Elausys for servicing.

If damaged, wet, unusually hot or emitting an unusual smell, stop use. Have a qualified installer isolate it safely.

Fault assistance

Check supply, wiring, load and configuration against the manuals. If the fault remains, give support the product reference and fault symptoms.

Electrical waste

Do not put this device in household waste. The crossed-out wheeled bin indicates separate collection of electrical equipment.

Use an authorised electrical-waste collection point or ask your supplier about returns. Separate collection supports recycling and protects health and the environment.

Sort packaging according to local collection rules.

Manufacturer & documentation

Manufacturer

Elausys SRL

Rue de la petite ferme 5C
4218 Couthuin
Belgium

Support:

info@elausys.be
elausys.com

EU conformity documentation

For the EU Declaration of Conformity for LAE-802, contact Elausys at the email address above. Quote the product reference and identification on the device.

Manuals and downloads

Access the product datasheet, MSA-810 user manual and configuration resources through the Elausys Support Center.

elausys.com/en/support



Scan for product documentation.



Design. Integrate. Visualise.

LAE-802

Safety & regulatory information

ENGLISH

Read before installation

Read this notice, the product datasheet and MSA-810 user manual. Keep them and pass them to the end user.

Intended use

Eight-channel PWM dimmer for compatible 12-24 VDC constant-voltage, common-anode LED strips.

Requires an MSA-810 master. Use in a fixed indoor electrical enclosure, within the stated limits.

Use a separate LED supply. Do not connect mains, constant-current LEDs or unsuitable drivers directly to the outputs.

Electrical safety

WARNING - Hazardous voltage may be present in the cabinet or connected equipment.

Installation and wiring must be performed by a qualified electrical installer under applicable national rules.

Before work, isolate all relevant supplies, including the master and external loads. Prevent reconnection and verify absence of voltage. Protect against adjacent live parts.

Use a suitable regulated 12-24 VDC LED supply. Observe polarity and protect the load wiring against overcurrent. The master powers control electronics only.

Keep mains wiring separated from control wiring. Do not connect mains to the side connector. Never plug or unplug an extension while powered.

Installation environment

Mount on a 35 mm DIN rail in a dry indoor enclosure. Ambient: 0 to +45 °C. Protect from moisture, condensation and heat. Do not energise a damaged device.

Connections & limits

Essential technical data

Outputs: 8 PWM channels

LED supply: external 12-24 VDC

Load: 2 A max. per channel

Cable: 30 m max. per channel

Housing: 2 SU, IP20

Control power: from MSA-810

Terminals: up to 2.5 mm², 0.5 Nm

Wiring

Connect the LED supply to DC IN (+/-).

Connect each LED load between the positive supply and its output. DC IN groups supply channels A-D and E-H.

Size the supply for the combined LED load. Allow for cable voltage drop and cable current capacity. Do not exceed 2 A on any channel.

Before power-up

Check strip voltage, common-anode wiring, polarity, total supply load and every channel current before power-up.

Commissioning & safe use

System configuration

Mount beside the master or preceding extension on the same DIN rail. Connect the side connector. Respect the eight-slot system limit and the module mix.

Select the LED extension in the MSA-810 application. Match channel grouping to the wiring: RGB uses 3 outputs, RGBW 4 and Tunable White 2.

Verify operation

Test each channel, brightness range and colour assignment. Confirm that strips and wiring do not overheat. Verify behaviour after bus/power loss and return.

Do not rely on this actuator as the sole control for life-safety functions. Retain the connected equipment's independent protective functions.

Access protection

Restrict access to the cabinet and KNX configuration. Protect ETS/ElauPro projects. Use the ElauPro-generated application with ETS5 or ETS6. Recheck operation after configuration changes.