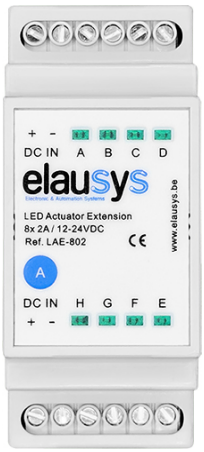
LAE-802

KNX LED dimmer extension 8 × 2 A

Dim compatible 12–24 VDC LED strips with eight PWM outputs. Use individual channels or group them for RGB, RGBW and Tunable White control through the MSA-810 master actuator.



LAE-802

Control and integration

Eight PWM outputs

Control constant-voltage, common-anode LEDs at up to 2 A per channel.

Colour and Tunable White

RGB uses three outputs, RGBW four, and Tunable White two outputs per group.

Configurable dimming

Set dimming curves, minimum/maximum levels and separate day/night brightness values.

Scenes and time functions

Use scenes, blocking and staircase functions within the master's ETS application.

One KNX address

The MSA-810 master handles KNX communication. The extension shares its address and application.

ETS5 / ETS6 configuration

Generate the system application in ElauPro, then configure channels and group addresses in ETS.

Modular actuator system

Requires an MSA-810 master actuator. Mount on the same 35 mm DIN rail, to the right of the master or another extension, and connect using the supplied side connector.

Up to eight extension slots per master.
Capacity depends on the selected module mix.

Power and connections

Connect a suitable 12–24 VDC LED supply to DC IN. Connect each strip between the positive supply and its channel output. Size the supply for the total LED load.

Technical specifications

Control supply	From MSA-810	**Outputs**	8 PWM channels
LED supply	12–24 VDC external	**Load rating**	2 A maximum per channel
Housing	2 SU, IP20	**Mounting**	35 mm DIN rail
Temperature	0 to +45 °C	**Cable length**	30 m max. per channel
Terminals	Up to 2.5 mm²	**Torque**	0.5 Nm

Application notes

Use compatible constant-voltage LED strips. Constant-current LEDs need a suitable driver.

2 A equals 24 W at 12 V or 48 W at 24 V. Account for cable voltage drop when sizing loads.