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 AAE-410, 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.

elausys
Electronic & Automation Systems

Design. Integrate. Visualise.

AAE-410

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

Four 0-10 V analogue control outputs for compatible HVAC inputs and LED drivers, including grouped RGB, RGBW and Tunable White control.

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

Outputs provide control signals only, up to 2 mA each. They do not supply load power. Never connect mains to an output or GND.

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.

The controlled equipment needs its own suitable supply. Verify its input isolation and grounding before connecting. Do not assume a 1-10 V input is compatible with this 0-10 V voltage output.

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: 4 analogue channels
Control signal: 0-10 VDC
Current: 2 mA max. per output
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 each controlled input between its channel output and a GND terminal. Power the controlled equipment separately. Follow its grounding and interface instructions.

Check the input specification against the 0-10 V output and 2 mA limit. Do not connect outputs together or feed an external voltage into an output.

Before power-up

Check signal/GND wiring, input compatibility and the controlled equipment’s supply 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 Analog Actuator 4-fold. Match the output mode and scaling to the equipment. RGB uses 3 channels, RGBW 4 and Tunable White 2.

Verify operation

Check the actual response at minimum, intermediate and maximum demand. For temperature control, verify the KNX reading and control direction. Test power/bus-loss behaviour.

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.