

Care, faults & disposal

Care and servicing

Isolate supplies before cleaning or removal.
Use a dry cloth; no liquids, solvents or abrasives.

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

If damaged, wet, overheating or smelling unusual, stop use. Have an electrician isolate all affected circuits.

Fault assistance

Check supply, wiring, extension addressing and ETS settings. Tell support the product identification, firmware version, installed extensions 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 reuse and 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 MSA-810, contact Elausys at the email address above. Quote the product reference and the identification shown on the device.

Manuals and downloads

Manual, Quick Start Guide, ETS application and extension datasheets:

elausys.com/en/support



Scan for product documentation.



Design. Integrate. Visualise.

MSA-810

Safety & regulatory information

ENGLISH

Read before installation

Read this notice, the MSA-810 manual and extension datasheets before installation. Retain them and pass them to the end user.

Intended use

MSA-810 is a KNX master actuator with eight outputs for 230 VAC loads. Paired outputs control shutters or blinds.

Use compatible Elausys extensions and correctly rated loads in a fixed electrical enclosure.

Do not use for life-saving or health-protection functions, or where operation could endanger people, animals or property.

Electrical safety

DANGER - Fatal electric shock risk.

Mains voltage at load terminals.

Installation and wiring: qualified electrical installers only. Follow national rules and provide appropriate overload protection.

Before work, isolate all load circuits, auxiliary supply and KNX bus. Prevent reconnection, verify absence of voltage and cover adjacent live parts. Output OFF is not isolation.

Never mix mains and extra-low-voltage loads within a pair (A/B, C/D, etc.). Use the same voltage throughout each pair; SAE-2410: each group of four (A-D, E-H, etc.).

Keep KNX and 30 VDC wiring separate from mains wiring. Never apply mains to the KNX, auxiliary or side extension connectors.

Mounting and environment

DIN rail (4 modules), dry indoor enclosure. Fit extensions to the right on the same row. Switch power OFF before fitting or removal.

IP20; 0 °C to +45 °C. Protect from moisture, condensation and heat. Never energise a damaged device.

Connections & limits

Essential technical data

Auxiliary supply: 30 VDC

Auxiliary consumption: <0.5 A at 30 VDC

KNX bus: 29 VDC

Outputs: 8; rated voltage 230 VAC

Resistive load: 10 A per output

Total actuator current: max. 25 A

Screw terminal section: 2.5 mm²

Terminal torque: 0.5 Nm

Connection requirements

Connect KNX and external 30 VDC with the marked polarity. Reserve the PS-640 auxiliary output for the actuator system when using it.

Follow each module's wiring diagram. Each relay has supply-phase and load terminals. Observe output and total-current ratings; check suitability for the load type.

System limits

Maximum 8 extensions and 72 outputs, depending on the modules. Maximum 40 switching channels rated 10 A per master, including its own 8 channels. Observe ETS extension-position limits.

Before power-up, check protection, polarity, terminal tightness, mounting and wiring.

Commissioning & safe operation

Shutters and blinds

Never energise both motor directions together. Before ETS configuration, manual control can switch each channel independently.

Use consecutive outputs configured as a shutter/blind pair. Follow motor instructions. Do not parallel motors unless expressly permitted by their manufacturer.

Keep people and obstructions clear. Check direction, travel times, reverse delay, end positions and safety-alarm reactions.

Configure and verify

Address extensions left to right. Configure extensions, functions and group addresses in ETS; download to the master. Follow the manual and Quick Start Guide.

Test outputs and feedback. Check behaviour after bus or auxiliary power loss, power return and ETS download. Manual operation is possible without KNX bus voltage.

Limit flashing periods to avoid relay wear. Restrict enclosure, KNX bus and ETS access to authorised persons.