

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 SAE-816, 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.

SAE-816

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

8-channel relay extension for switching 230 VAC loads or controlling blinds/shutters with paired outputs.

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

Never energise both directions of a blind motor together. Configure paired blind mode before motor operation.

Electrical safety

DANGER - Electric shock. Hazardous voltage may be present on connected circuits.

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.

Relay contacts are not an isolation device. Do not connect SELV, PELV or FELV loads to these mains switching outputs. Protect each circuit against overload and short circuit.

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 relays, 230 VAC

Resistive rating: 16 A per channel

Total current: 32 A max. per actuator assembly

Housing: 4 SU, IP20

Control power: from MSA-810

Terminals: up to 2.5 mm², 0.5 Nm

Wiring

Phase input is common to each pair of channels. Dual terminals serve each output. Follow the SAE-816 wiring diagram.

16 A channels do not count towards the 40-channel 10 A limit. Other system and current limits still apply.

Before power-up

The current rating is for resistive loads. Check starting/inrush current and the documented rating for the actual load. Do not parallel motors on one output unless the motor manufacturer permits it.

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.

Before ETS configuration, outputs default to independent switching and manual commands can energise either channel. Keep motor power isolated until paired blind mode is configured.

Verify operation

Check up/down direction, reversal delay, travel limits and configured alarm responses. Keep people clear of moving blinds. Test behaviour after bus/power loss, return and ETS download.

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.