

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 DBE-64, 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.

DBE-64

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

DALI extension for up to 64 control-gear addresses and 16 groups. DALI sensors and push-buttons are not supported.

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

Do not treat the DALI bus as a touch-safe circuit. Follow the connected control gear's insulation and wiring requirements.

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.

DALI gear may be connected to mains. Isolate its supplies as well as the master and DBE-64 input before wiring. Do not assume galvanic isolation or SELV protection on the DALI bus.

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

External input: 24 VDC, max. 300 mA

DALI bus supply: built in, 18 VDC

DALI current: limited to 230 mA

Capacity: 64 addresses / 16 groups

KNX channels: 32, 48 or 64

Housing: 4 SU, IP20

Control power: from MSA-810

Terminals: up to 2.5 mm², 0.5 Nm

Wiring

Connect a suitable 24 VDC supply to DC IN, observing polarity. Use the marked DALI terminals for the bus. Control gear and luminaires need their own load supply.

Size the 24 VDC source for the maximum 300 mA input. Respect the 230 mA DALI bus limit. Do not add another bus supply unless expressly permitted by the documentation.

Before power-up

Check bus wiring, input polarity, gear power and total bus demand before energising. Use a protected local network for commissioning.

Commissioning & safe use

System configuration

Mount beside the master or preceding extension on the same DIN rail. Connect the side connector. Plan 32/48/64-channel mappings and the complete module mix in ElauPro.

Generate the MSA-810 application in ElauPro and configure ETS5/ETS6. Address, group and test DALI gear through the system web interface. Re-addressing can change existing mappings.

Verify operation

Verify address/group mapping, dimming and failure indications. Test power/bus-loss behaviour. Retain independent emergency-lighting safety controls.

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. Limit the web interface to authorised users on a trusted LAN; do not expose it to the internet.