

Care, faults & disposal

Care and servicing

Isolate supplies before cleaning. Use a soft, dry cloth. Do not use liquids, solvents or abrasives.

Do not modify or repair the circuit board. 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 and configuration against the manual. If the fault remains, tell support the product identification, firmware version 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 JA-KNX, contact Elausys at the email address above. Quote the product reference and the identification shown on the device.

Manuals and downloads

Access the product user manual, ETS application and Quick Start Guide through the Elausys Support Center.

elausys.com/en/support



Scan for product documentation.



Design. Integrate. Visualise.

JA-KNX

Safety & regulatory information

ENGLISH

Read before installation

Read this notice and the gateway and alarm-system manuals before installation. Keep them and pass them to the end user.

Intended use

JA-KNX connects a Jablotron 100 alarm system to KNX through the JA-121T RS485 interface.

For monitoring and authorised automation/control of the connected alarm system. Use only the supported equipment and configuration.

Do not use this gateway as a substitute for alarm signalling, protective functions or a dedicated life-safety system.

Electrical safety

WARNING - Hazardous voltage and backup power may be present inside the alarm panel.

Installation and wiring must be performed by a qualified installer familiar with electrical and alarm systems. Follow applicable national rules.

Before wiring or removal, isolate all relevant supplies, including mains, backup battery feeds and KNX. Prevent reconnection and verify absence of voltage. Follow the alarm manufacturer's isolation procedure.

Use a regulated, safety-isolated 12 VDC source or the specified alarm-panel supply. Observe polarity. Never connect mains to gateway terminals.

Keep low-voltage wiring separate from mains. Secure the board so it cannot touch conductive parts. Avoid loose strands and electrostatic discharge.

Installation environment

Install in a dry indoor protective enclosure. Protect from moisture, condensation, dust and heat. Ambient: +5 °C to +45 °C. Do not energise a damaged device.

Connections & limits

Essential technical data

Product: JA-KNX

Auxiliary supply: 12 VDC

KNX bus: 29 VDC

KNX current, typical: <16 mA

Ambient: +5 °C to +45 °C

Alarm interface: RS485 / JA-121T

Mounting and connections

Mount inside the alarm panel, or use the optional DIN-rail housing in a protective enclosure.

Connect KNX to the red/black terminal with correct polarity and a suitable KNX bus supply. Connect 12 VDC to the 12VDC / GND terminals.

Supply the JA-121T output side as shown in the manual. Connect RS485 D+(A) and D-(B) to the matching A/B terminals. Termination is built in.

Before power-up

Check voltage, polarity, mounting and wiring against the product manual. Check the panel supply capacity before adding the gateway load.

Commissioning & secure use

Configuration

The JA-121T uses 9600 baud by default. Configure KNX objects, zone offset, area mapping and any control user code in ETS. Exit alarm service mode to restore the RS485 / KNX link.

Verify operation

Coordinate tests with the user and any monitoring service to prevent unintended alarms. Check actual zone and area states against KNX feedback before enabling automation.

RX/TX activity shows serial traffic only. Test authorised commands and the response to loss of power or communication. Do not assume the last received state remains valid.

Protect alarm control

Restrict access to the panel, KNX wiring, ETS project and visualisation. Enable arm/disarm control only for authorised users. Protect the alarm user code.

Before transfer or decommissioning, revoke gateway control credentials and remove its automation links. Follow Elausys instructions for any firmware update.