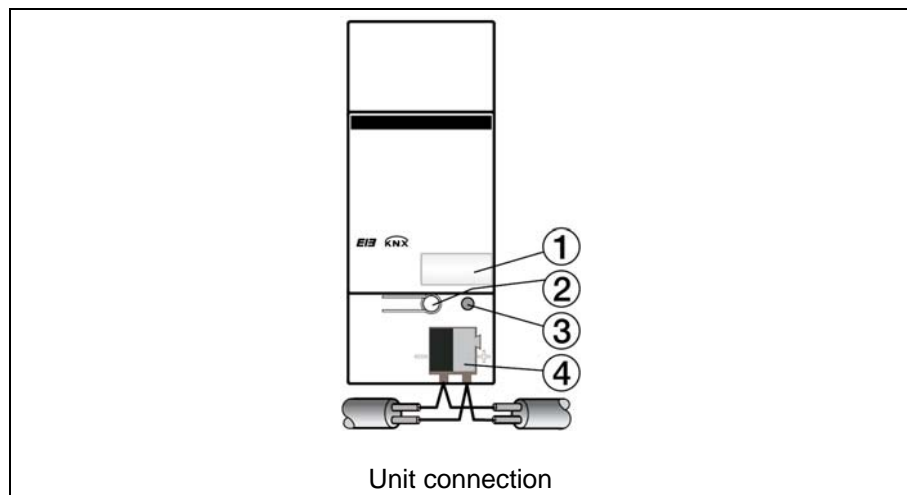


Installation and operating instructions Application unit logic



Unit connection

- (1) Label carrier
- (2) Programming key
- (3) Programming LED
- (4) Bus connection terminal

1. Unit description:

The application unit "logic" ABL/S 2.1 is a modular DIN rail component. The unit contains logic functions and allows logic gates, gates, timing elements and comparators to be individually defined and interconnected. The ABL/S 2.1 component is parameterised via the ETS3.

The application unit "logic" is supplied with power via the KNX and does not require any additional power supply. The bus connection is realised through the bus connection terminal on the front of the unit.

2. Functions of the application program:

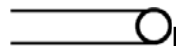
Logical functions:

- 50 logic gates (AND, OR, One hot)
- 50 unidirectional and bidirectional gates
- 30 timers, e.g. staircase lighting
- 10 comparators, e.g. analogue value comparators

3. Technical data (excerpt)

Bus voltage	via KNX typically 30 V DC (21...32 V DC)
Current consumption, bus	< 12 mA
Power consumption	250 mW
Power loss, bus	250 mW max.
KNX connection	via bus connection terminal
Enclosure	IP 20 in accordance with DIN EN 60 529
Safety class	class II
Weight	0.1 kg
Temperature range	
Operation	-5 °C ... +45 °C
Storage	-25 °C ... +55 °C
Transport	-25 °C ... +70 °C
Dimensions	36 x 90 x 64.5 (W x H x D)
Width in modules	36 mm (2 modules)
Installation	on mounting rail 35 mm, DIN EN 60 715
Certification	EIB / KNX in accordance with EN 50 090-1, -2 certificate

4. Operation and display



Programming key ②

to assign the physical address, see programming LED ③



Red programming LED ③

Is on after the programming key ② has been pressed in order to assign a physical address to the bus member.

5. Installation

The unit can be installed in distributors or small enclosure for quick-mounting on 35 mm mounting rails in accordance with DIN EN 60 715. Make sure that the unit can be accessed at all times for operation, examination, inspection, maintenance and repair.

6. Connection

The connection to the KNX is realised with the help of the supplied bus connection terminal.

7. Start-up

The Engineering Tool Software ETS3 (as of version V1.0 or higher) is used to assign the physical address and to set the parameters. Use the corresponding VD3 file for programming in the ETS3.



Important notes

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device outside the specified technical data (e.g. temperature range)!
- The device may only be operated in closed enclosures (e.g. distribution boards)

8. Cleaning

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.

9. Maintenance

The device is maintenance free. Should damage have occurred, e.g. due to transport or storage, no repairs should be carried out.

The warranty expires if the device is opened!

10. Guarantee

Our products are under guarantee within the scope of the statutory provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

ALBRECHT JUNG GMBH & CO. KG

Service-Center

Kupferstr. 17-19

D-44532 Lünen

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General equipment

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KNX equipment

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