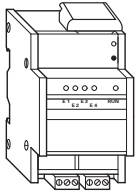


SpaceLogic KNX Binary input REG-K/4x10

Operating instructions



Art. no. MTN644492

For your safety

⚠️ ⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Connecting and establishing KNX networks
- Safety standards, local wiring rules and regulations

Failure to follow these instructions will result in death or serious injury.

⚠️ CAUTION

The device may be damaged!

- Never connect the device to an external power source.
- The binary input circuits must comply with the safety extra-low voltage conditions (SELV) in accordance with IEC 60364-4-41.
- Only operate the device according to the specifications stated in the Technical data.
- All the devices that are installed next to the binary input must be equipped with basic insulation at the very least.

Failure to follow these instruction can result in equipment damage.

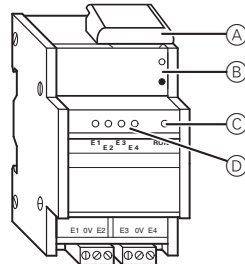
Binary input introduction

The binary input REG-K/4x10 is used to connect four floating contacts, push-buttons or switches to the KNX bus.

The binary input makes a contact supply voltage (SELV) available which is electrically isolated from the bus voltage. A power supply is thus not necessary for the connected floating contacts.

The binary input has a bus coupler. It is installed on a DIN rail acc. to EN 60715, with the bus connection made via a bus connecting terminal. A data rail is not required.

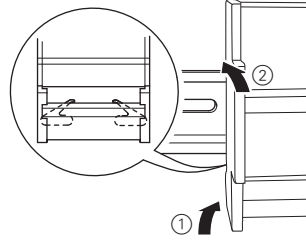
Operating and display elements



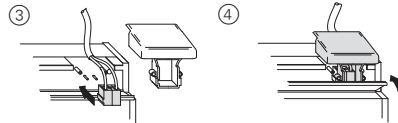
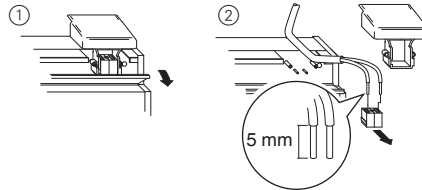
- (A) Cover of the bus connecting terminal
- (B) Programming button and programming LED (behind hinged cover)
- (C) Operational LED
- (D) Channel status LEDs

Installing the binary input

- ① Set the binary input onto the DIN rail.

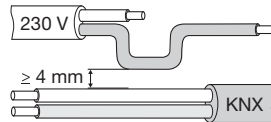


- ② Connect KNX.

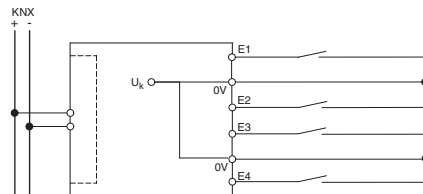


⚠️ WARNING
Risk of fatal injury from electrical current.

The device could be damaged.
Safety clearance must be guaranteed in accordance with IEC 60664-1. There must be at least 4 mm between the individual cores of the 230 V supply cable and the KNX line.



- ③ Connect the input cables.



When the bus voltage is connected and there is a signal at the input, the corresponding yellow channel status LED will light up.

i An installation with Y bell wire or J-FY flat webbed bell wire is permitted.

Putting the binary input into operation

- ① Press the programming button. The programming LED lights up.
- ② Load the physical address and the application into the device from the ETS. The operating LED lights up: The application was loaded successfully, the device is ready for operation.

Technical data

Supply from KNX:	DC 24 V / max. 18 mA
Insulation voltage:	AC 4 kV bus/inputs
Inputs	
Contact voltage:	max. 10 V (SELV)
Contact current:	max. 2 mA, pulsating
Transfer resistance (between contact and cable):	max. 500 Ω when contact closed, min. 50 kΩ when contact open
Permitted cable length:	max. 50 m
Ambient temperature	
Operation:	-5 °C to +45 °C
Storage:	-25 °C to +55 °C
Transport:	-25 °C to +70 °C
Max. humidity:	93 % relative humidity, no moisture condensation
Environment:	The device is designed for use at a height of up to 2000 m above sea level (MSL).
Connections	
Inputs, outputs:	Screw terminals
Single-core:	1.5 mm ² to 2.5 mm ²
Finely stranded (with core end sleeve):	1.5 mm ² to 2.5 mm ²
KNX:	Bus connecting terminal
Dimensions	
Height x width x depth:	90 x 45 x 65 mm
Device width:	2.5 modules

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