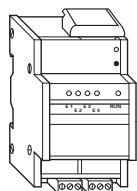


Binary input REG-K/4x230

Operating instructions



Art. no. MTN644992

For your safety



DANGER

Risk of fatal injury from electrical current.

All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations as well as the valid KNX guidelines.



CAUTION

The device could be damaged.

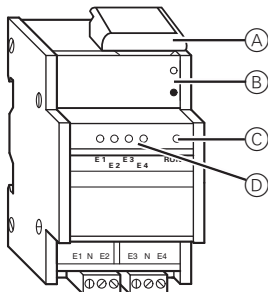
- Only operate the device according to the specifications stated in the Technical data.
- All the devices that are installed next to the binary input must be equipped with basic insulation at the very least.
- The internal device connection of the potentials is not suitable for carrying load currents.

Binary input introduction

The binary input REG-K/4x230 is used to connect four conventional 230 V devices (such as movement detectors and light-sensitive switches) to the KNX bus.

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.

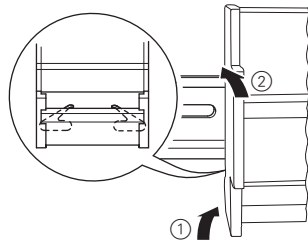
Operating and display elements



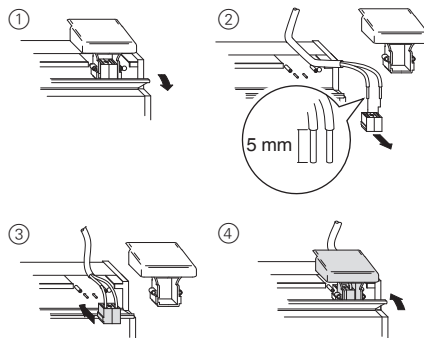
- (A) Cover of the bus connecting terminal
- (B) Programming button and programming LED (behind hinged cover)
- (C) Operational LED
- (D) Channel status LEDs

Installing the binary input

- ① Set the binary input onto the DIN rail.



- ② Connect KNX.

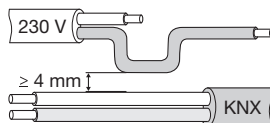


WARNING

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.

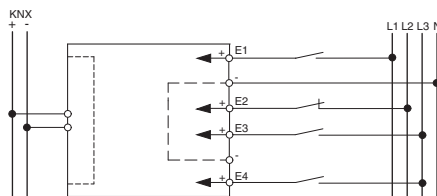


CAUTION

The device could be damaged.

High voltages can cause damage. Never connect devices with more than 230 V.

- 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.



The N conductors must be connected to the device. Inputs E1 to E4 have a common potential (4 x N). Inputs E1 to E4 can be assigned to each other with different phases.

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	
Nominal voltage:	AC 230 V $\pm 10\%$, 50/60 Hz
0 signal:	< 40 V
1 signal:	> 160 V
Nominal current:	AC approx. 7 mA
Permitted cable length:	max. 100 m/channel
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

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.