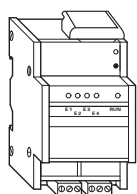


## Binary input REG-K/4x10

### Operating instructions



Art. no. MTN644492

### 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.**

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.



#### **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.

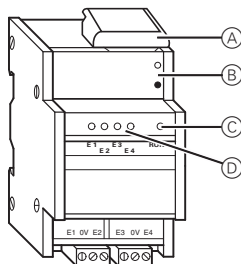
### Binary input introduction

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.

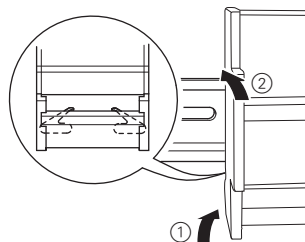
### Operating and display elements



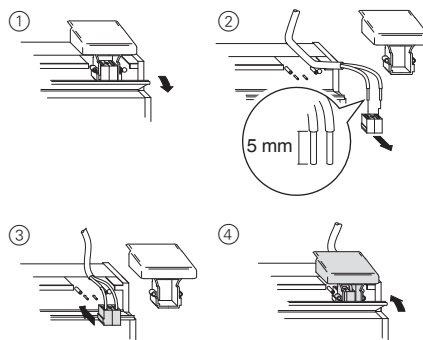
- (A) Cover of the bus connecting terminal
- (B) Programming button and programming LED (behind hinged cover)
- (C) Operational LED
- (D) Channel status LEDs

### Installing the binary input

- ① Set the binary input onto the DIN rail.



- ② Connect KNX.

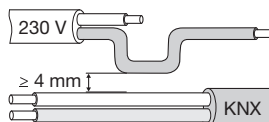


#### **WARNING**

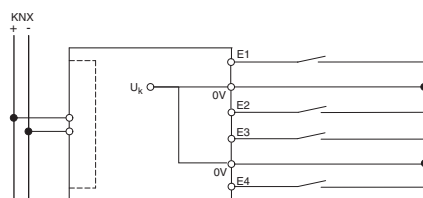
##### **Risk of fatal injury from electrical current.**

##### **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.



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 $\Omega$ when contact closed, min. 50 k $\Omega$ 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 <sup>2</sup> to 2.5 mm <sup>2</sup>
Finely stranded (with core end sleeve):	1.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
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](http://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.