

BKOX-BI Module



KNX Binary Input

DESCRIPTION



BKOXBI binary input module is a KNX device available with 2, 4 and 6 inputs for floating switch/push button contacts, that allows to connect switches and sensors of conventional type which equipped with potential-free contacts, to the KNX bus.

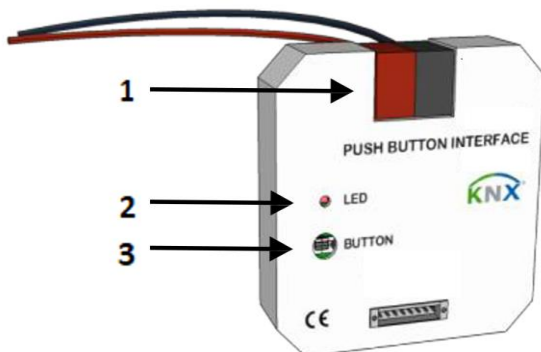
The BKOXBI binary input module is powered by the KNX bus line, it can be installed in combination with conventional dry contact sensors & switches in flush-mounted sockets.

CONNECTION DIGRAM

1. KNX Bus Connection.

2. **LED:** The red led switched on means the presence of KNX bus and the device status as physical addressing.

3. **Physical Addressing Button:** This button is used to give a physical address to the module and to verify the bus presence.



MAIN FUNCTIONS & CONTROLS

- Switch / push button input.
- Conventional Sensors (with Free contacts).
- Blinds control.
- Door/Window Sensors.

MOUNTING AND SAFETY INSTRUCTIONS

- The device should only be installed and put into operation by qualified electrician or authorized person.
- Failure to observe the instructions may cause damage to the device and result in fire and other hazards
- Do not connect the main voltage (230 VAC) or any other external voltages to any point of the KNX bus.
- Ensure that there is enough insulation and space between the 230 VAC voltage cables and KNX bus.
- Installation only in dry locations and do not expose this device to direct sunlight, rain or high humidity.
- Do not use aerosol sprays, solvents or abrasives that might damage the device.
- Accessibility of the device for operation and visual inspection must be provided.

CONFIGURATION

The assignment of the physical addresses as well as the parameterization is carried out with KNX Tool (ETS).

TECHNICAL NOTE

The maximum input cable length should be calculated based on the type of the conductor and in all cases please ensure that no power cables is installed near or in same conduit.

TECHNICAL DATA:

Electrical Parameters			
Device Name	BK02BI	BK04BI	BK06BI
Channels Number	2	4	6
Power Supply	KNX BUS Voltage		
Power consumption, Bus	50mw		
Input Configuration			
No. of inputs	2	4	6
Max. Assignments	252	252	252
Max. Group address	252	252	252
Environmental parameters			
Operating Humidity	>90 RH		
Storage Humidity	Up to 92%		
Operating temperature	-10°C ~ +60°C		
Storage Temperature	-15°C ~ +70°C		
Transport Temperature	-15°C ~ +85°C		
Device Parameters			
Protection type	IP20		
Input type	Dry Contact		
Mounting	Flush mounting		
Flammability	Non-Flammable Product		
Dimensions (W x H x D) mm	10 X 40 X 40	10 X 40 X 40	10 X 40 X 40
KNX Bus Connector	0.6 ~0.8 Ø, solid		
Output connectors	Screw terminal, 2.5 mm ² stranded ~ 4 mm ² Solid		
Available colors	Light Gray		