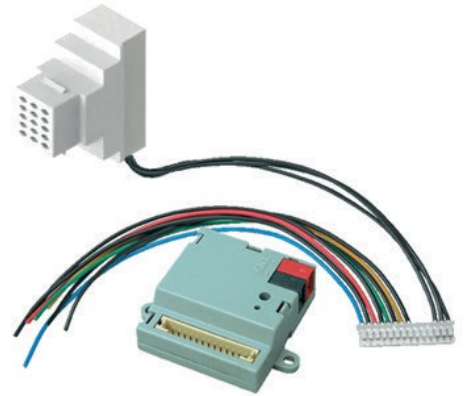


TEMPERATURE, HUMIDITY AND CO2 PROBES EQUIPPED WITH KEYSTON CONNECTION FOR FASTER AND LONG-LASTING ASSEMBLY

BX-TE -SRC

It is a 4-input KNX button interface device to transform a traditional pushbutton panel into a KNX source. Assembly is carried out using a keystone attachment as an accessory which facilitates fixing in the flush-mounting box and makes it safer and more stable over time. It does not have local adjustment controls, therefore it requires a supervision device present in the system to proceed with the setting and display operations. The temperature probe provides a precise reading of the ambient temperature between -40 °C and +125 °C, and provides the necessary adjustments for climate control.



BX-TU -SCR

This model is also equipped with an extremely sophisticated solid-state digital humidity probe, capable of carrying out relative humidity measurements between 0% and 100%, and does not require any calibration procedure. The humidity probe measures the values in % and the dew point.

BX-TUC2 - SCR

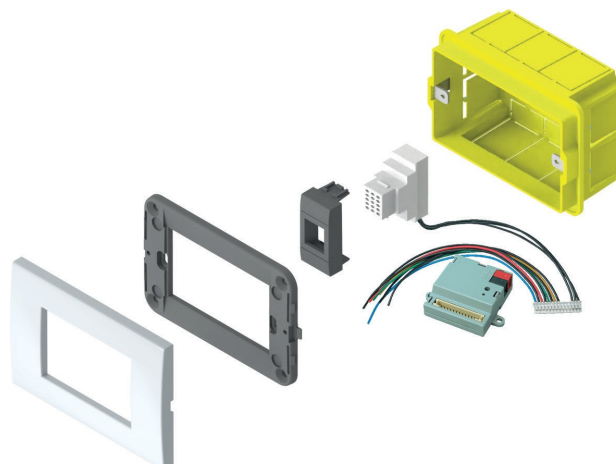
Compared to the above model, this version is equipped with a digital probe that measures the CO2 present in the air, and by managing the thresholds it is possible to carry out checks aimed at improving the quality of the air. It does not require any calibration procedure. All probes are solid state and extremely sophisticated.

KEYSTONE ACCESSORY

SCR accessory, additional Keystone connector for Blumotix probes - BX-TE, BX-TU, BX-TUC2

This accessory can be used on all Keystone modules that have a standard rectangular face and are held in place with flexible tabs. This allows them to be inserted into a mounting plate with correspondingly sized rectangular holes, called mounts. This provides a lot of flexibility in installation and mounting in many types of supports on the market without requiring customization.

When choosing the Keystone adapter to use, we recommend first checking the compatibility between the Blumotix Keystone connector and the adapter.



16/24 CH MULTIFUNCTION ACTUATOR - BX-RO16/24

BX-RO16/24 is a 16/24-channel multifunctional actuator for DIN rail mounting for independent switching of loads using dry contacts. The output switching can be also managed by the buttons located on the front panel. A green LED indicates the channel status. It is equipped with 16 A bistable relays with contacts connected directly to the terminals, with no phase sharing. The screw terminals can accommodate cable sections up to 5 mm². The relays used can withstand an inrush current of up to 320 A in the first 2 ms, therefore they are particularly suitable for driving inductive loads typical of fluorescent or neon lamps.

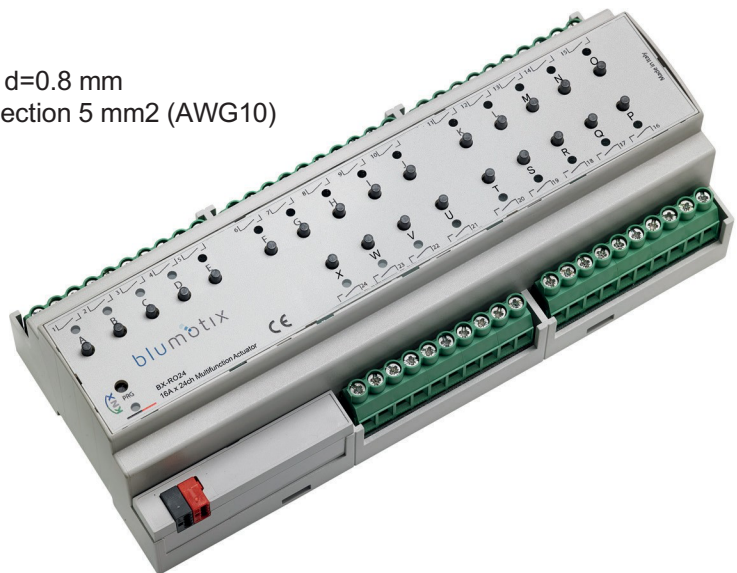
The device provides switching functions, status notification, block command, forcing, timing, delays, scenarios and further the management of shutters and blinds. It controls valves with PWM algorithm and can drive multiple fan coil devices (2 or 4 pipes). It also has a set of logical functions consisting of 16 inputs for each channel; they are freely configurable with OR, AND, XOR and GATE logical operations between the inputs.

Of the above-mentioned functions it is possible to find an innumerable combination between them, so as to optimize all possible outputs. The BX-RO16/24 is whole parameterized by ETS software.

The versatility of this module makes it particularly suitable for distributed design since all the operations of an entire home and tertiary sector can be implemented with a single device.

Technical data

- Nominal voltage: 230 V ac, 50/60 Hz
- Power supply: via KNX bus, 29 V dc SELV
- Current consumption from bus: 12 mA
- Rated contact current: 16 A
- Operating temperature: -5 ÷ +45 °C (indoor use)
- Connection to the KNX bus: 2-pole plug-in terminal d=0.8 mm
- Electrical connections: screw terminal, max cable section 5 mm² (AWG10)
- Degree of protection: IP20
- Dimensions: 8/12 DIN modules (BX-RO16/24)



KNX functions

- 16/24 outputs for controlling lights/generic loads with timing, forcing, blocks, delays functions
- 16/24 channels for PWM valve control with anti-blocking function
- 12 channels for roller shutter / blind / shade control
- Fan coil actuators 2 or 4-pipes, from 1 to 3 speeds. The number depends on the configuration
- Logic functions
- General functions