



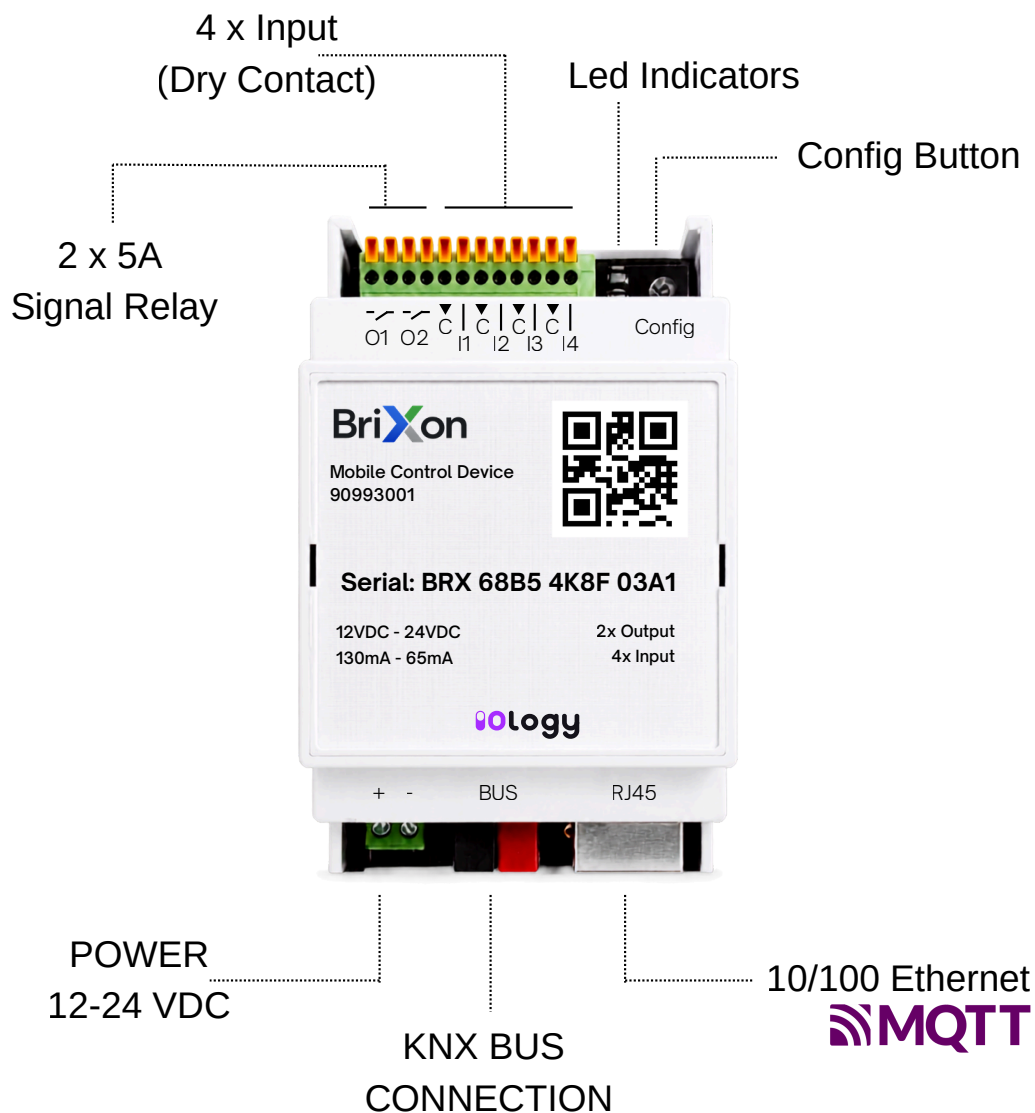
Brixon Mobile Control Device Datasheet

Order Number: 90993001



www.iology.io

Brixon Mobile Control Device



The Brixon Mobile Control Device is a DIN-rail mounted interface that connects KNX bus installations to the IOLOGY cloud platform, enabling remote monitoring and control from the Brixon mobile app via MQTT. With 4 dry contact inputs, 2 relay outputs, and 10/100 Ethernet connectivity, it bridges local KNX automation with mobile-first building management — supporting live camera viewing, custom scenario programming, and push notifications from anywhere.

Features

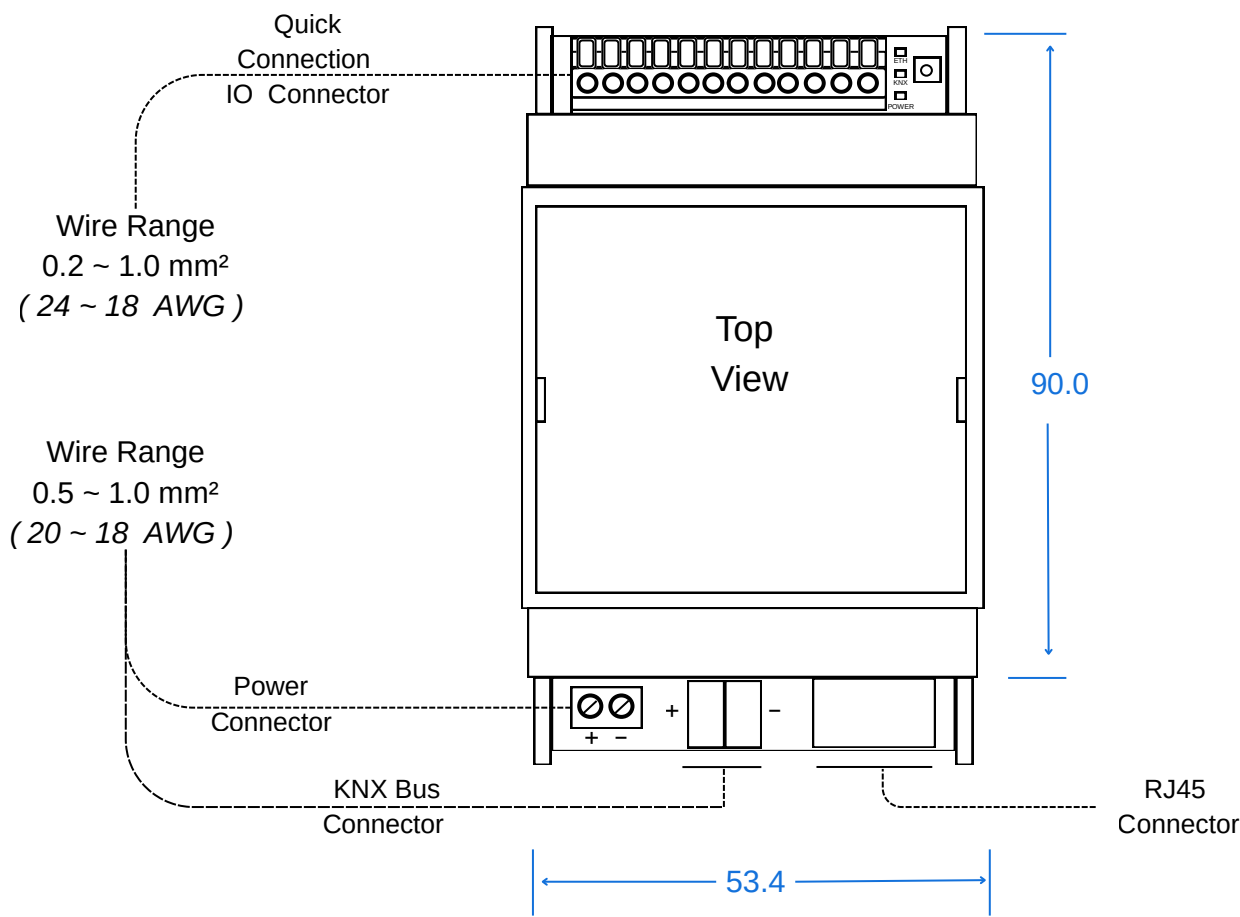
- RTC (Real Time Clock) module including, time keep even offline or w/o power connection.
- Reverse polarity protection on power input, protected against damage from reverse polarity.
- Led indicators for ethernet & knx connection and device power.
- Local http server mode, device ip and knx physical address could be configured with local connection.
- OTA support, device FW could be updated via remote connection.
- Unique QR code for mobile app integration.

System Requirements

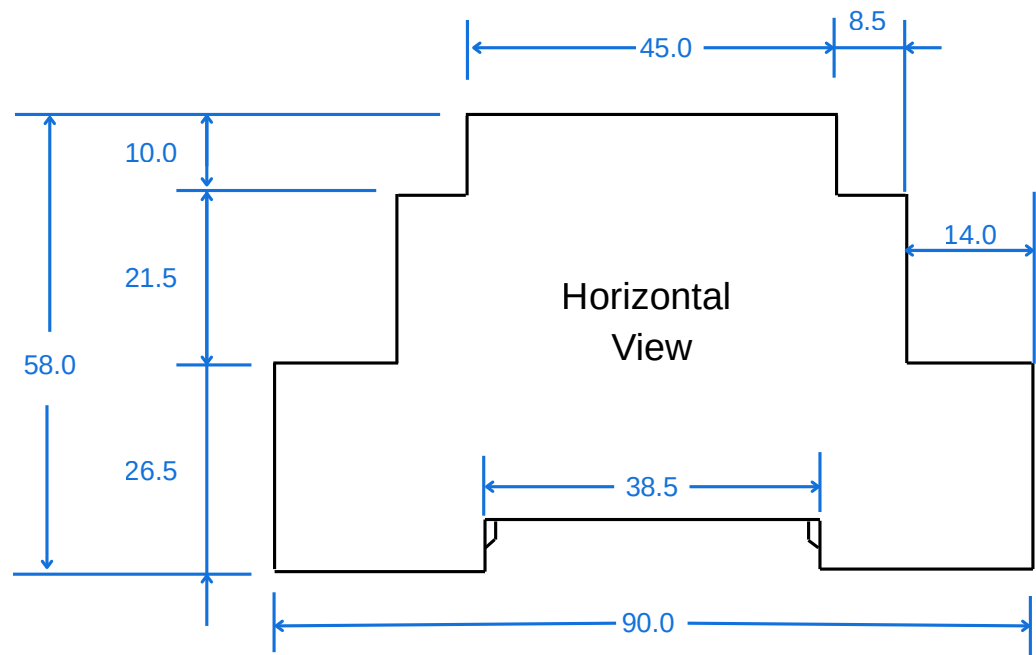
- Brixon mobile app is necessary for remote control.
- IOLOGY Partner Portal, device detailed configuration (knx group addresses, ip address, project-building-floor-room structure, io settings etc) must be done via web based partner portal. Contact with support@iology.io to have details.

Specifications	
Product Type	IP Interface
Connection-1	KNX Bus Line / 21 - 32 V DC
Connection-2	10/100 Mbit Ethernet
Internal Input	4x Dry Contact
Internal Output	2x Signal Relay Output, rated 5A / max 24VDC (dry contact / low-current signaling only — not intended for direct switching of lighting, motor etc loads)
Power Supply	12–24 VDC
Current	≤130 mA @12VDC [≤65 mA @24VDC]
Power Consumption	≤1.5W
Installation	DIN Rail
Device Dimension W x L x D [mm]	53.4 x 90.0 x 58.0 [± 0.5]
Packing Dimension W x L x D [mm]	70.0 x 120.0 x 82.0 [± 0.5]
Net Weight [gr]	105
Gross Weight [gr]	130
Protection Class	IP20
Operating Temperature	-20C ... +50 °C
Storage Temperature	-30C ... +75 °C

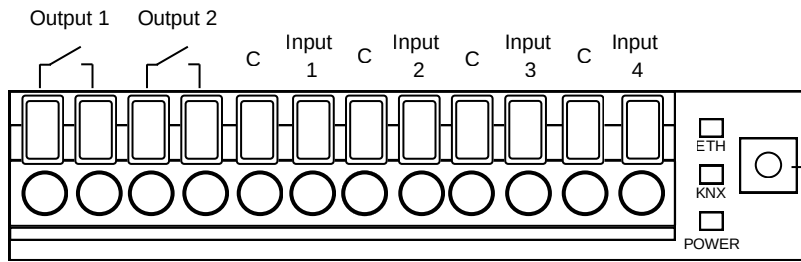
Product Dimensions and Wiring



All dimensions are mm and have [± 0.5] tolerance



Config Button Functions, Led Indicators



Quick Connection IO Connector



If cable is used as multi-conductor Bootlace Ferrule terminal should be use for safe connection

Config Button HTTP Server Mode Behavior

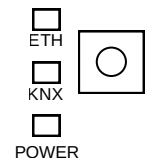
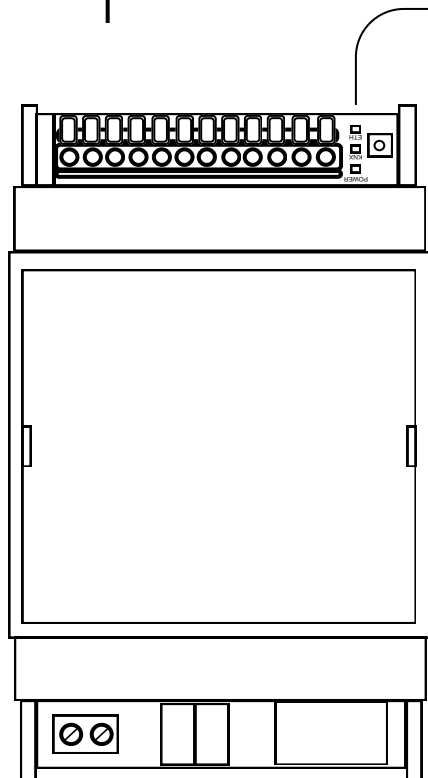
- 1st step: Keep press 10 sec then release
- 2nd step: Press 3 times in 5 sec
- 3rd step: See the KNX led and ETH led blinking together
- 4th step: Open a browser and fill device ip address
 - HTTP Server Mode will be closed automatically 2 min later or make soft reset by using "Soft Reset" button on browser



Device default ip address is **192.168.1.250** and could be changed or could be set a DHCP

Config Button Factory Settings

- 1st step: Keep press 25 sec then release
- 2nd step: Press 3 times in 5 sec
 - The device will have reverted to factory settings including IP address



POWER Led

Hardwired indicators and are not software-controlled, reflects the presence of supply voltage. Must be solid on always.

KNX Led

The KNX LED blinks whenever there is communication activity on the KNX bus, sampled at 200 ms intervals rather than on every individual telegram.

ETH Led

Indicates both the physical ethernet connection and the device's MQTT connectivity status. It lights solid on when the MQTT connection is established, blinks at 1 Hz when an ethernet cable is connected but the MQTT connection has not been established, and light off when ethernet cable is not connected.

Connection Diagram

