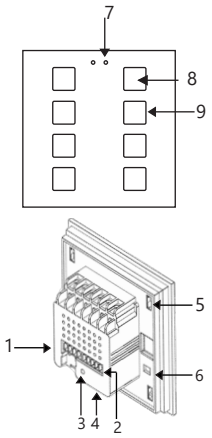
Touch ZSwitch
BTx/4R

Touch-ZSwitch 8. Capacitive Touch

Technical Documentation

CHARACTERISTICS

- 1, 2, 3, 4, 6, or 8 main touch areas
- Customizable design
- 4 digital inputs
- A power supply different from the bus is needed
- Status LED indicators
- LED backlight buttons
- Screwless mounting
- Easy Z-BUS connector tech
- Magnetic fit with a mechanism to avoid accidental extraction
- Metallic stand included
- Complete data saving in case of power failure



1. Z-BUS	2. Digital inputs	3. Programming button	4. Programming LED	5. Magnet
6. Programming socket	7. Proximity and lux meter	8. Touch area	9. Button LED	

GENERAL SPECIFICATION

CONCEPT		DESCRIPTION
Device type		Electrical operation control device
Z-BUS Supply	Voltage	24V DC
	voltage range	15~32V DC
	Maximum consumption	125mA
	Connection type	Phoenix 3.81mm
Operating temperature		from °0C to +45 °C
Storage temperature		from °-20C to +60 °C
Ambient humidity (relative)		from 20 to %93 RH (no condensation)
Storage humidity (relative)		from 30 to %85 RH (no condensation)
Operating type		Continuous operation
Type of protection		IP20, clean environment
Assembly		Vertical or horizontal position. see example “installation and connection diagram”
Minimum clearances		Keep away from heat and cold air
Response to bus voltage failure		Complete data saving
Weight		137gr. without stand/ 166 gr. with metallic stand
Dimension		W90mm * L90mm * H37mm
Enclosure material		ABS + Glass

GENERAL CARE

Do not use aerosol sprays, solvents, or abrasives that might damage the device.
Clean the product with a clean, soft, damp cloth.

SAFETY INSTRUCTIONS

Do not connect the main voltage (230V) or any other external voltages to any point of the Z-BUS bus and 4 Inputs. Connecting an external voltage might put the Z-BUS system at risk.
Ensure that there is enough insulation between the AC voltage cables and the Z-BUS.
Do not expose this device to direct sunlight, rain or high humidity.

This device consists of three parts each one should be considered separately in search and programming with advanced software:

A) SB_ArtSwitch
B) SB_4Z_UN
C) SB_RLY4C10A_DN

A)SB_ArtSwitch

Touch Switch Panel

Total Gangs
1, 2, 3, 4, 6, 8 gangs

Control IO
Advanced RS485 Z-BUS
Serial port links (both train & screw link types)

Operation Protection
BUS Rv. polarity Protection
BUS Short Circuit Protection

Control Compatibility
Lighting, Music, Curtains, Scenes, Security, Drapes, Pumps,
Gates, lifts

User Controls
User control buttons
Diagnostics LED + BROADCAST
LED status indicator

Button behavior
Single tap (on/off toggle)
Double tap

Programming
- Manual Pairing to lighting,
- Advanced Software configuration and Programming (SmartCloud)

Compliance
CE Mark Low Voltage
CE Mark EMC

B)SB_4Z_UN

Dry Contact Input Module 4 - Zones

INPUT CONNECTIONS

CONCEPT	DESCRIPTION
Number of inputs	4 dry inputs (Volt Free)
Output voltage of the inputs	5V DC (do not connect external voltage into the inputs in any case)
Output current of the inputs	1mA at 5V DC in each input
Impedance of the inputs	Approx 1KΩ
Switching type	Dry contact between input and common
Connection method	Cable screw terminal and matching socket
Max cable length	1200m
Cable cross section	from 0.15 mm^2 to 1 mm^2
Response time OFF to ON	Maximum 20ms
Response time ON to OFF	Maximum 20ms

Applications
Security Application in connection to: (vibration, UV, magnetic contacts, panic, pressure matt, PIR, microwave, Driveway sensors, etc.)
Safety Applications in connection to: (Gas leak, Smoke, Pool Guard, Elevator Panic, CO gas, Bathroom Help, etc.)

Maintenance and Health Applications in connection to:
(water leak detector, water tank low-level alert, Filter clogged sensor, etc.)
Converting Manual Wall Switches into Automation enabled.

Control Compatibility
Security, Safety, Maintenance, Health, Converting normal switches into automated ones

C) SB_RLY4C10A_DN

Relay 4Channel 10 Amp

Outputs
4 x Isolated and Separated switched Pass through outputs rated at 10A each output ch.

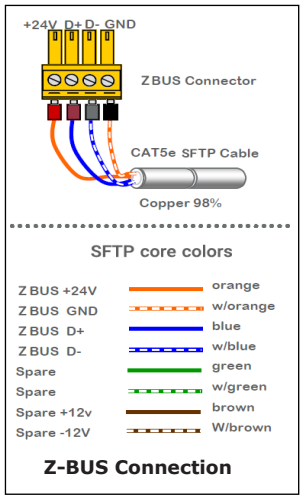
Preset and Scenes
2 x 4 sequence mode logic

Internal protection
protecting Delay 0~60 min
startup delay 0~25sec

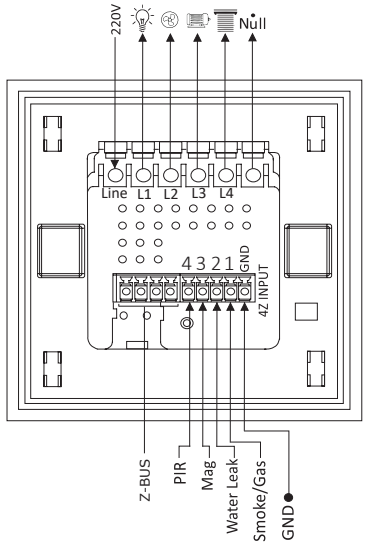
Maximum Total Load
40 A total load of all channels

Upgrade IO
3 x 2 pin header port (to connect to special programming

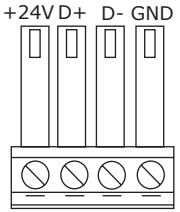
COMPATIBLE WITH
All types of lighting, Water Boilers, HVAC Units, Water Pumps, Ovens



Z-BUS Connection



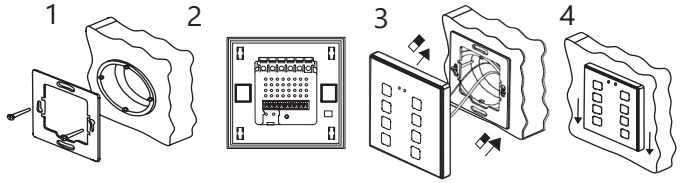
Connection diagram



Z-BUS Connector

INSTALLATION AND CONNECTION DIAGRAM

Step 1: Place the metallic piece into a squared or rounded standard mounting box with its own screws from the box.
Step 2: Connect the ZBUS at the rear of the device, as well as the input terminal.
Step 3: Once inputs and ZBUS are connected, fit ZSwitch x in the metal platform. The device is fixed thanks to the magnets.
Step 4: Slide ZSwitch x downwards to fix it with the security anchorage system. Check, from the side, that is nothing unless the ZSwitch x outline can be seen.



MAIN DIMENSIONS