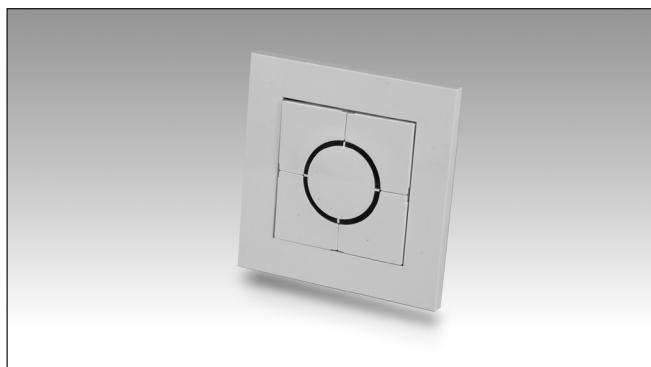


Elko Light Switch Type BEx-LS4-U

CARLO GAVAZZI



- Light switch for building automation application
- Developed to fit into wall socket and frames from Elko
- 4 individually programmable pushbutton inputs
- Supplied by smart-house bus, no external supply required
- Blue LEDs: programmable function status

Product Description

The BEx-LS4-U is a light switch with 4 buttons and 4 LED outputs. It is developed to be mounted into a 55 x 55 wall socket from Elko. The 4 blue LED's are individually programmable. The light switch is part of

the smart-house concept for building automation applications and can be used to control lights, roller blinds and all other functions supported by the smart-house controller. It is fully programmable via the SH tool.

Ordering Key

B E X L S 4 U

smart-house _____
 Elko Mounting _____
 Colour _____
 Light switch _____
 Switch number _____
 Smart Dupline® _____

Type Selection

| Housing | Colour | LEDs | Supply by smart-house |
|-----------------|--------------------------|-----------------------------------|---|
| 55 x 55 mm “ | White Light grey “ | 4 blue 4 blue Antracit grey | BEW-LS4-U BEG-LS4-U 4 blue BEA-LS4-U |

Input Specifications

Key Pad 4 pushbutton

Output Specifications

LED 4 blue

Dupline® Specifications

| | |
|--------------------------|-------|
| Voltage | 8.2 V |
| Maximum Dupline® voltage | 10 V |
| Minimum Dupline® voltage | 4.5 V |
| Maximum Dupline® current | 3 mA |

Supply Specifications

Power supply Supplied by smart-house bus



General Specifications

Address assignments / channel programming

If it is used with the SH2WEB24 the address assignment is automatic: the controller recognises the module through the SIN (Specific Identification Number) that has to be inserted in the configuration tool. If it is used with BH8-CTRL-230 the channels have to be programmed with the BGP-COD-BAT

Environment

Degree of protection
Pollution degree
Operating temperature
Storage temperature
Humidity (non-condensing)

IP 20
3 (IEC 60664)
-20° to +50°C (-4° to 140°F)
-30° to +60°C (-22° to 158°F)
20 to 80% RH

Connection

Screwless detachable
D+
D-

0.2 to 1.5 mm²
Signal
GND

Housing

Dimensions (including frame) 86x86x24 mm
Material Plastic

Weight

50 g

CE Marking

Yes

EMC

Immunity
- Electrostatic discharge EN 61000-6-2
- Radiated radiofrequency EN 61000-4-2
- Burst immunity EN 61000-4-4
- Surge EN 61000-4-5
- Conducted radio frequency EN 61000-4-6
- Power frequency magnetic fields EN 61000-4-8
- Voltage dips, variations, interruptions EN 61000-4-11
Emission
- Conducted and radiated emissions CISPR 22 (EN55022), cl. B
- Conducted emissions CISPR 16-2-1 (EN55016-2-1)
- Radiated emissions CISPR 16-2-3 (EN55016-2-3)

Mode of Operation

The BEx-LS4-U is fully programmable via the SH tool. Each push-button can be individually associated to one or more of the functions supported by the smart-house system.

SH2WEB24 controller, no addressing is needed since the module is provided with a specific identification number (SIN): the user has only to insert the SIN in the SH tool when creating the system configuration.

function status indication. If the Dupline® bus is faulty or missing, the LED will be OFF.

BGP-COD-BAT: this module has 4 input (push buttons) and 4 output (LEDs) channels. I/O 1-4: push button 1-4
I/O 5-8: LED 1-4

BEx-LS4-U connected to the SH2WEB24

Coding/Addressing

If the light switch module is connected to the

LED programming

Also the LEDs are configurable via SH Tool:
•The 4 blue LEDs can be individually programmed as

BEx-LS4-U connected to the BH8-CTRLX-230

Coding/Addressing

If the light switch module is connected to the BH8-CTRLX-230 controller, the user has to program the Dupline® channels using the

LED programming

•Blue LEDs: The 4 blue LEDs can be individually programmed as function status indication. If the Dupline® bus is faulty or missing, the LED will be OFF.

Dimensions (mm)

