smart-house Light Switch Type BEW-LSx-U

CARLO GAVAZZI

- Light switch for building automation application
- 1, 2 or 3 individually programmable pushbutton inputs
- 1, 2 or 3 programmable LED's
- Supplied by Dupline® bus, no external supply required
- Flush or surface mounting on Elko wall box and frame

Product Description

The BEW-LSx-U are light switches with 1, 2 or 3 buttons and 1, 2 or 3 LED outputs. 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

BE W LS 3 U

Elko Compatibility
White
Light switch
Switch number
Smart Dupline®

Type Selection

Housing	Colour	LEDs	Supply by Dupline®
55 x 55 mm	White	3 red	**BEW-LS3-U**
55 x 55 mm	White	2 red	**BEW-LS2-U**
55 x 55 mm	White	1 red	**BEW-LS1-U**

Input Specifications

Key Pad	1, 2 or 3 push-buttons

Output Specifications

LED	1, 2 or 3 red

Dupline® Specifications

Voltage	8.2 V
Maximum Dupline® voltage	10 V
Minimum Dupline® voltage	5.5 V
Maximum Dupline® current	
BEW-LS1-U	1.3 mA
BEW-LS2-U	2.0 mA
BEW-LS3-U	2.6 mA

Supply Specifications

Power supply	Supplied by Dupline® bus

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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 SH tool. If it is used with BH8-CTRL-230 the channels have to be programmed with the BGP-COD-BAT
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	-20° to +50°C (-4° to 122°F)
Storage temperature	-30° to +60°C (-22° to 140°F)
Humidity (non-condensing)	20 to 80% RH
Connection	
Screwless detachable	0.2 to 1.5 mm²
D+	Signal
D-	GND

Housing	
Dimensions	84 x 84 x 28.5 mm
Mounting	Elko mechanics
Material	ABS
Colour	White
Weight	65 g
CE Marking	Yes
EMC	
Immunity	EN 61000-6-2
- Electrostatic discharge	EN 61000-4-2
- Radiated radiofrequency	EN 61000-4-3
- 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	EN 61000-6-3
- 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 BEW-LSx-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.

BEW-LSx-U connected to the SH2WEB24

Coding/Addressing
If the light switch module is connected to the 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.

Used channel: 1-3 input channels, 1-3 output channels.

LED programming
Also the LEDs are configurable via SH Tool:
• The red LEDs can be individually programmed as function status indication.
If the dupline bus is faulty or missing, the LED will be OFF.

BEW-LSx-U connected to the BH8-CTRLX-230
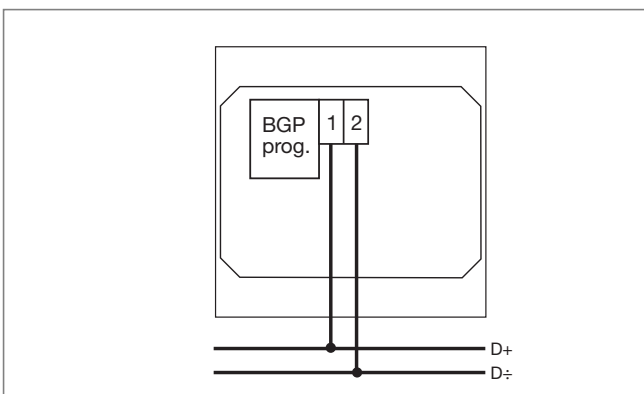
Coding/Addressing
If the light switch module is connected to the BH8-CTRLX-230 controller, the user has to program the Dupline channels using the BGP-COD-BAT: these modules have up to 3 inputs (push buttons) and up to 3 outputs (LEDs) channels.
I/0 1-3: push button 1-3
I/0 5-7: LED 1-3

LED programming
• The red LEDs can be individually programmed as function status indication.
If the dupline bus is faulty or missing, the LED will be OFF.

Wiring Diagrams

Push-buttons/Dimensions (mm)

Specifications are subject to change without notice (20.03.2013)