# OPUS Wireless Light Switch
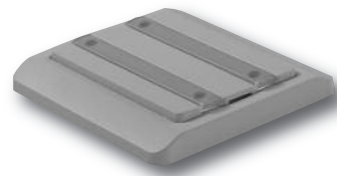
## BOW-WLS4

*smart-house* logo

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|---|
| **smart-house transmitter for building automation applications** |
| **4 individually programmable pushbutton inputs** |
| **Channel coding by BGP-COD-BAT** |
| **Wall mounting** |
| **Range up to 100 m in open air** |
| **3 V battery supply (CR2032)** |
| **Battery life: up to 5 years at normal use** |

## INPUT SPECIFICATIONS

| | |
|---|---|
| **Wireless push-button** | |
| **Transmission frequency** | 868 MHz |

## SUPPLY SPECIFICATIONS

| | |
|---|---|
| **Power supply** | Battery: CR2032 |

## GENERAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| **Channel coding** | By BGP-COD-BAT and special cable: GAP-TPH-CAB | Operating temperature Storage temperature | 0 - 50 °C/32 - 122°F -20 - 70°C/-4 - 158°F |
| **Out 1 - 4** | Pushbutton 1 - 4 | **Humidity (non condensing)** | 20 - 80% |
| **Enclosure** | (LK OPUS) | **Weight** | 50 g - without battery |
| **Environment** | | **Dimensions** | 66 x 66 x 11mm (including frame) |
| Degree of protection | IP 20 | | |
| Pollution degree | 3 (IEC 60664) | | |

## MODE OF OPERATION

The BOW-WLS4 light switch is designed for base unit BH4-WBU-230 and will only function with this unit.

The wireless BOW-WLS4 light switches are programmed as standard light switches using a BGP-COD-BAT (see data sheet for this unit).

The communication between BOW-WLS4 light switches and the BH4-WBU-230 base is established in the following way:
- Push the "Mode" button on the BH4-WBU-230 base until the red LED indicates association.
- Push the pushbutton on the BOW-WLS4 light switch module that you want to associate with the BH4-WBU-230 base.

Once the association is complete, all 4 LEDs will light up briefly (approx. 1 second).

If the association fails, e.g. because the range is exceeded, all LEDs in the light switch module will light up simultaneously for approx. 500 ms. This also occurs if, under normal circumstances, it is not possible to establish connection between the BH4-WBU-230 base and the BOW-WLS4 light switch modules.
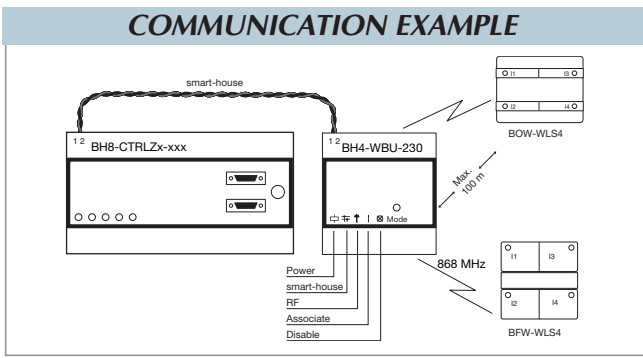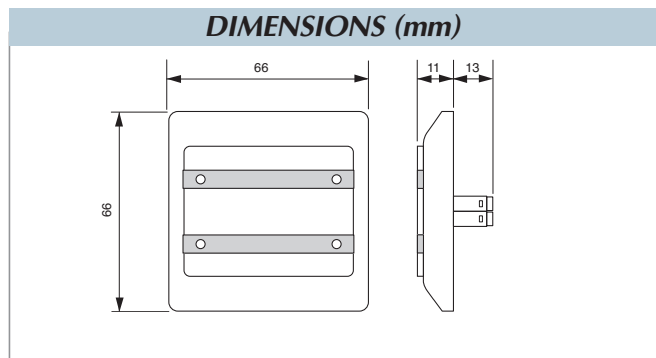
It is possible to disable the communication between the BH4-WBU-230 base and all the modules with which it is associated.
- Push the "Mode" button on the BH4-WBU-230 base until the red "Disable" LED is lit.

This means that there is no connection between the BH4-WBU-230 base and its associations.

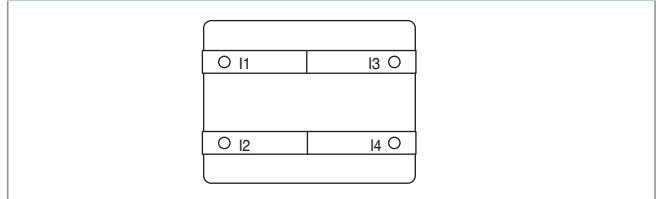To reestablish the connection, push "Mode" until neither "Associate" or "Deactivate" are lit.

Under normal circumstances, the "Supply" and "smart-house" LEDs will be lit continuously, whereas the LED for "Communication" only blinks briefly when you push an associated BOW-WLS4 light switch.

The LEDs always follow their allocated pushbutton and cannot be programmed individually or removed.

The LED indication provides confirmation that the communication is successful.

## DIMENSIONS (mm)



## COMMUNICATION EXAMPLE



## PUSH BOTTON/LED ALLOCATION



## TYPE SELECTION

| Supply | Colour | Ordering no. |
|---|---|---|
| Battery supply | White | BOW-WLS4 |
| | Light grey | BOG-WLS4 |

## ACCESSORIES

**Programming cable to BGP-COD-BAT**   GAP-TPH-CAB