

# Shelly BLU Door/Window ZB

## Bluetooth & Zigbee door/window sensor

EAN code, white: 3800238072612  
 EAN code, black: 3800238072636  
 EAN code, brown: 3800238072650



### Product description

The Shelly BLU Door/Window ZB is an ultra-compact door and window sensor with long battery life and fast response when a door or window is opened or closed. In addition to open/close detection, it includes a built-in lux sensor and tilt sensor, making it suitable for tilt-and-turn or angled windows.

The device uses Bluetooth for instant reaction and includes built-in Zigbee for integration with third-party Zigbee platforms.

Shelly BLU devices require a gateway for network access. Any Shelly Pro, Gen3, or Gen4 device, or the Shelly BLU USB Gateway, can act as a gateway. If you already have a Shelly device on your Wi-Fi, it automatically functions as a gateway for BLU devices.

### Technical data

| Physical             |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Size (HxWxD):        | •35x35x7 mm ±0.5 mm (Sensor unit)<br>•35x12x7 mm ±0.5 mm (Magnet) |
| Weight:              | •10 g ±1 g (Device with the battery)<br>•8 g ±1 g (Magnet)        |
| Shell material:      | Plastic                                                           |
| Environmental        |                                                                   |
| Ambient temperature: | -20 °C to 40 °C / -5 °F to 105 °F                                 |
| Humidity:            | 30 % to 70 % RH                                                   |
| Electrical           |                                                                   |
| Power supply:        | 1x 3 V CR2032 battery (included)                                  |
| Battery life:        | 5 years                                                           |
| Sensors              |                                                                   |
| Reed switch          | Yes                                                               |
| G-sensor             | Yes                                                               |
| Light sensor         | Yes                                                               |
| Radio                |                                                                   |
| Max. RF power:       | <8 dBm                                                            |
| Bluetooth Protocol:  | 5 (LE)                                                            |
| Bluetooth Range:     | Up to 10 m indoor and 30 m outdoor                                |
| Zigbee               |                                                                   |
| Protocol:            | 802.15.4                                                          |
| RF band:             | 2405 to 2480 MHz                                                  |
| Max. RF power:       | < 8 dBm                                                           |
| Range:               | Up to 10 m indoors and 30 m outdoors                              |

