SHELLY BLU DOOR WINDOW ZB WHIT

Shelly Blu Door Window ZB White Bluetooth Sensor detects Door and Window opening and closing

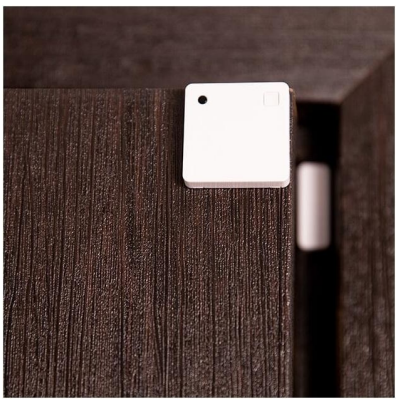
Product Overview

Shelly Blu Door Window ZB White Bluetooth Sensor detects Door and Window opening and closing, Integrated Tilt angle and luminosity measurement sensors included, Battery Life up to 5 years using one 3 V CR2032 Battery, Bluetooth 4.2 Protocol supports up to 10 m range indoors or 30 m outdoors, Reaction time of less than 100 ms for immediate response, Reed Switch and G-Sensor detect physical State changes accurately, Lux Sensor provides Real-Time illuminance measurement capabilities, can be paired via Push Button or Integrated into Shelly Smart Control App











Specifications

Summary Overview:

Secure your South African home with the Shelly BLU Door Window Sensor (White), a reliable Bluetooth device that instantly detects when doors or windows are opened, closed, or tilted. Designed for seamless integration into your existing smart home ecosystem, this sensor features built-in light and tilt measurement capabilities to trigger custom automation scenarios like turning on lights upon entry or adjusting heating efficiency when windows open.

With an impressive battery life of up to 5 years and a reaction time under 100ms, you can trust this discreet white sensor to keep your property safe without frequent maintenance. It pairs easily via the Shelly Smart Control app, allowing you to receive instant notifications for unwanted access or set up warm welcome routines for family members.

Upgrade your home security today and experience responsive automation tailored to your lifestyle. Buy now to start protecting your premises with this advanced smart sensor designed for South African homes.

Performance tier: High

Uses: Home security monitoring, automated lighting control, energy efficiency management, window tilt detection, intrusion alerts

Overview:

The Shelly BLU Door Window ZB (White) is a compact, Bluetooth-enabled sensor engineered to instantly detect the opening and closing of doors or windows. This device serves as a vital component for home automation, triggering scenarios such as security alerts or energy-saving adjustments the moment movement occurs. Beyond basic detection, it uniquely measures tilt angles and ambient light levels, offering deeper insights into your environment. Designed for seamless integration with the Shelly Smart Control app and BTHome protocol, this sensor empowers users to create complex local automations using JavaScript when paired with a gateway.

Description

This product combines rapid response times of under 100ms with an impressive battery life lasting up to five years on a single CR2032 cell. Its discreet design allows it to be installed inside window frames for invisible protection, while its versatility supports use cases ranging from welcoming guests with automatic lighting to preventing energy waste by adjusting HVAC systems when openings are detected.

The Shelly BLU Door Window ZB operates via Bluetooth 4.2 technology, ensuring a quick and reliable connection without the need for Wi-Fi infrastructure on the sensor itself. It comes in white, black, or brown finishes to match various interior decors.

Features:

Key Features

- Detects opening and closing of doors or windows with sub-100ms reaction time
- Integrated sensors for measuring tilt angle and luminosity (LUX)
- Battery powered by one included 3V CR2032 cell lasting up to 5 years
- Easy control via Shelly Smart Control app, BTHome protocol, or custom platforms
- Supports complex scripting and local automation scenarios with JavaScript (gateway required)
- Invisible design allows placement inside window frames for discreet security

Users can customize the behavior of this sensor through two distinct modes of operation. In regular mode, the device broadcasts the current state, illumination levels, and battery status whenever a change is detected, including detailed tilt data if the door or window is tilted before opening. For those preferring constant updates regardless of movement, Beacon mode can be enabled via the app to broadcast status every 30 seconds.

Part Number: SHELLY BLU DOOR WINDOW ZB WHIT

How It Works and Use Cases

This sensor is designed to protect your home even when you are away. By placing it on front doors, balconies, or windows, you receive immediate notifications if unauthorized access occurs. The device can also activate other connected devices to respond to unexpected activity, creating a robust security system.

It doubles as a convenience tool by giving a warm welcome home; for instance, opening the front door can automatically turn on hallway lights. Furthermore, it contributes significantly to energy efficiency by automating heating and cooling adjustments based on window states, ensuring no heat or cool air is wasted when windows are open.

Technical Specifications

- Type: Bluetooth Door/Window Sensor
- Sensor Unit Dimensions: 35x35x7 mm (1.38 x 1.38 x 0.27 in)
- Magnet Dimensions: 35x12x7 mm (1.44 x 0.47 x 0.27 in)
- Device Weight (with battery): 10 g
- Magnet Weight: 8 g
- Shell Material: Plastic
- Ambient Temperature Range: -20 degrees C to 40 degrees C (-5 degrees F to 105 degreesF)
- Humidity Range: 30% to 70% RH
- Radio Frequency Band: 2400 - 2483.5 MHz
- Bluetooth Version: 4.2 with CCM AES Encryption
- Connectivity Range: Up to 10m indoors or 30m outdoors (depending on conditions)

Installation and Controls

The device includes a single push button for pairing and resetting operations. To pair the Shelly BLU Door/Window with another Bluetooth device, press and hold the button for 10 seconds. A factory reset is performed by holding the button for 30 seconds, though this action is only possible shortly after inserting a new battery.

What's in the Box

- Shelly BLU Door Window Sensor (White)
- Magnet component
- 1 x 3V CR2032 Battery (included)

Specifications:

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Specifications	
Product Code	SHELLY BLU DOOR WINDOW ZB WHIT

Type	Value
Physical	
Size (HxWxD)	35x35x7 mm +/-0.5 mm / 1.38õ1.38õ0.27 in +/-0.02 in (Sensor unit)
	35x12x7 +/-0.5 mm / 1.44õ0.47õ0.27 in +/-0.02 in (Magnet)
Weight	10 g +/-1 g / 0.35 +/-0.05 oz (Device with the battery)
	8 g +/-1 g / 0.28 +/-0.05 oz (Magnet)
Shell material	Plastic
Color	White, black, brown
Environmental	
Ambient temperature	-20 degreesC to 40 degreesC / -5 degreesF to 105 degreesF
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	
RF band	2400 - 2483.5 MHz
Max. RF power	
Bluetooth Protocol	4.2
Bluetooth Range	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors
	(Depends on local conditions)
MCU	
CPU	EFR32BG22C222F352GM32
Firmware capabilities	
Encryption	AES encryption (CCM mode)
Beacon mode	Yes

FAQ

What specific functions does the Shelly BLU Door Window ZB sensor perform?

The device detects and reports when a door or window opens or closes, while also measuring tilt angle and ambient light levels. It supports scripting for complex local automations if used with a gateway.

How long will the battery last on this Bluetooth sensor?

Built to be low-maintenance, the included 3 V CR2032 battery provides up to 5 years of operation depending on daily usage frequency and settings.

Is there a range limitation for the Bluetooth connection?

The device operates within Bluetooth Protocol 4.2 with an indoor range of up to 10 meters (33 ft) and an outdoor range of approximately 30 meters (100 ft), though actual distance may vary based on local conditions.

Can I use this sensor for home security or energy saving scenarios?

Yes, it can trigger automation scenes to notify you of unwanted entry, turn on lights upon arrival, or automatically adjust heating and cooling when windows are opened to conserve energy.

How do I pair the device with my other Bluetooth equipment?

To pair, press and hold the integrated push button for 10 seconds. For a factory reset, hold the button for 30 seconds shortly after inserting the battery.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/SHELLY-BLU-DOOR-WINDOW-ZB-WHIT-Shelly-Blu-Door-Window-ZB-White-Bluetooth-Sensor-detects-p-342542.php

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