Mini Wireless Door & Window Sensor

Smart BLE Door & Window Detection

LX-DWS-BLE



Monitor doors and windows with the Luxio Controls Mini Wireless Sensor. Designed for discreet integration into smart hotel rooms, it provides reliable open and close detection via BLE communication while offering low power consumption, battery level monitoring, and long-lasting operation for intelligent room automation and energy management.

Luxio Controls Hospitality Management Systems
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Functionality



Introduction

It is a mini wireless door and window sensor regarded as an important part of wireless controller system. It can immediately detect open or close of door/window, with battery level real time detection function. With exquisite design, it will perfectly match up with your guest room decoration and integrate into installation environment. As it is a separation triggered door or window sensor, when the magnet part and main body are separate, it will send alarm signal to controller and controller will perform appropriate action.

Features



Features

Adopt imported high sensitivity magnetic sensor, with stable and reliable performance Special magnet position design, assure its high induction property toward metal door/window. With heartbeat codes mechanism, can monitor sensor's failure. Battery level monitoring, low battery reports. Ultra-low power consumption and extra-long standby time, up to 3 years battery working life.

Installation & Technical Specifications

Shown as below picture (stick with 3M foam tape)



1.open the back cover

2.Please take out the transparent insulation sheet of battery

3.Stick 3M foam tape

4.When installation, the distance between main body and magnet part should be ≤6mm

Notice

1- Please replace the battery in time when get the battery level monitoring gives low battery report.

2- When installation, please note following situations to ensure it can work normally

LED Indicator

LED indicator flashes when contact is triggered



Easily damaged place

Unstable or rainy place

Roadside or nearby magnetic objects

Communication protocol		RF 315	RF 433	RF 868	BLE	ZWAVE	ZIGBEE
Different parameters	Static current(MAX)	9uA	9uA	9uA	9uA		
	Transmit current(MAX)	15mA	15mA	30mA	30mA		
	Transmit power	10dBm	10dBm	10dBm	4dBm		
	Receive sensitivity	NA	NA	NA	-96d Bm		
	Communication protocol	ASK	ASK	2FSK	BLE4.1		
	Frequency band	315MHz	433MHz	868MHz	2.4GHz		
	Max communication distance	≤50m	≤50m	≤100m	≤100m		
Same parameters	working voltage	DC3V (1pc CR2032 button battery)					
	Induction distance	≥6MM					
	Alarm indicator	LED status indicator					
	Output signal type	Alarm report, battery level status, heartbeat report					
	Working humidity &temperature	-10℃～50℃; ≤95%RH no condensation					
	Dimension	53*32*13mm (L*W*H)					

About Luxio Controls

Luxiospecializes in hotel automation solutions for both the retrofit and new-build markets. We use state-of-the-art technologies to increase the energy efficiency of hotel rooms and the pro- ductivity of hotel staff by streamlining operating processes. Our products have been developed for the hotel industry.

Luxio typically saves hoteliers an average of up to 40% in energy costs and 30% on staff count per property. Luxio is known to increase guest satisfaction, which is positively reflected in online guest reviews. According to a US Environmental Protection Agency calculation, installing one Luxio Room Kit is equal to planting 535 trees.

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