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Detection User Manual** 

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U-PROX WDC Uni Wireless Magnetic Door Contact With Shock and Tilt Detection

USER MANUAL

WIRELESS MAGNETIC DOOR/WINDOW CONTACT WITH SHOCK AND TILT

DETECTION

Is a part of the U-PROX security alarm system

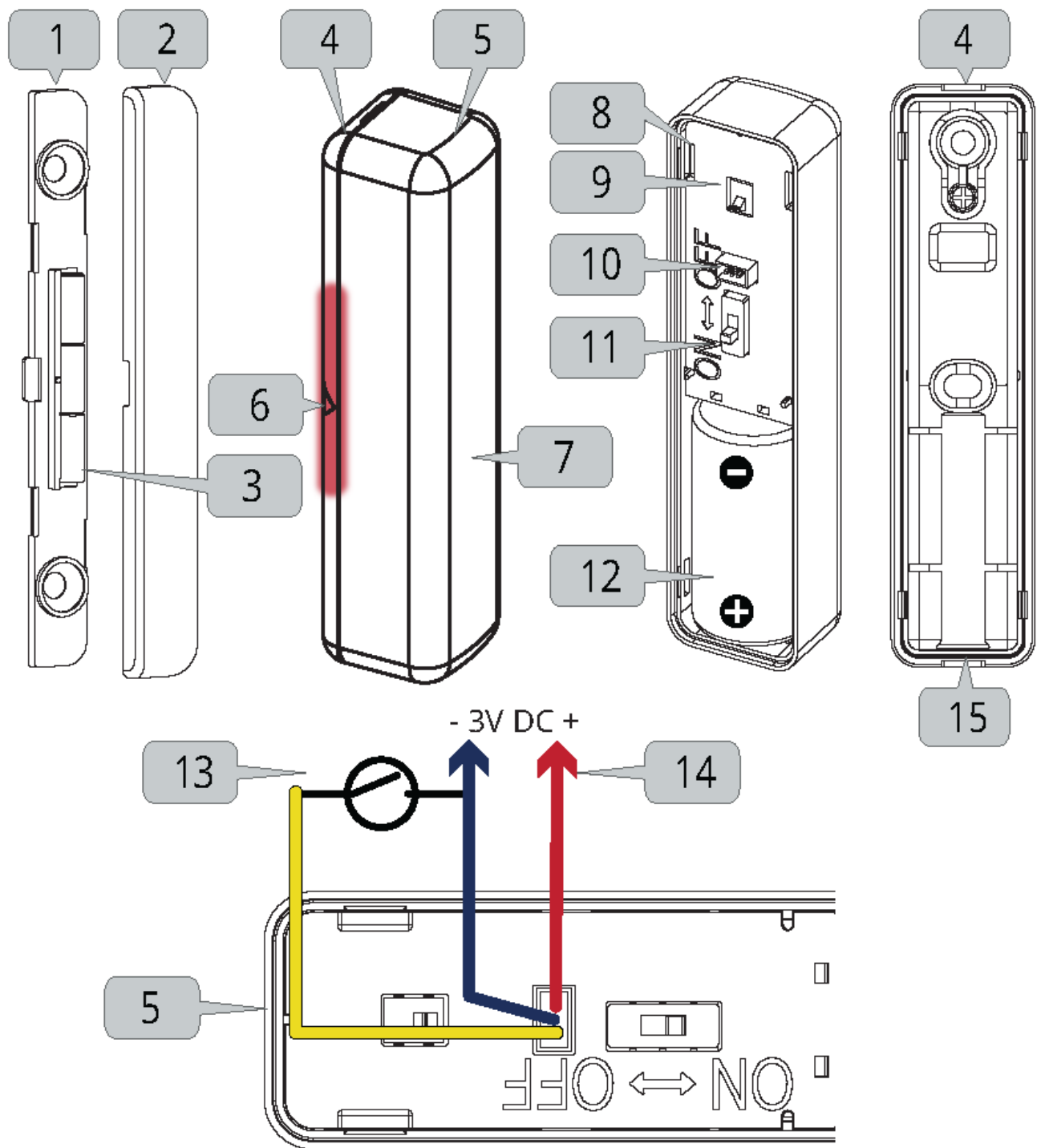
Manufacturer: LLC INTEGRATED TECHNICAL VISION

Mykoly Hrinchenka str. 2/1, 03038, Kyiv, Ukraine

U-PROX WDC Uni – is a wireless detector with magnetic contact, shock and tilt sensor. The detector is designed to control the status of structural elements – windows or doors (open/close/change of inclination angle/shock detection). The device sends an alarm notification to the alarm center U-PROX security alarm system. The detector has connector for connecting the arming information LED and external sensor, e.g. reed switch.

1. U-PROX WDC Uni; 2. Magnets – 2 pcs.; 3. CR123A battery (pre-installed); 4. Mounting kit; 5. Quick start guide

The device is connected to the control panel and is configured with the U-PROX Installer mobile application.



Functional parts of the device (see picture)

1. Bottom plate of magnet case
 2. Magnet case cover
 3. Neodymium magnet
 4. Bottom plate of the detector case
 5. Detector case top cover
- with the device

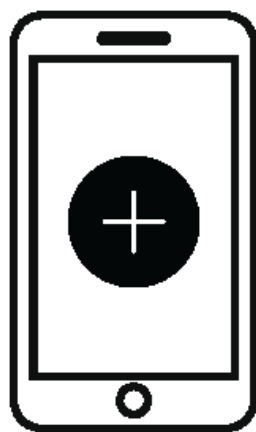
6. Magnet position marks
7. LED indicator
8. Plastic protector of device board
9. Tamper switch

10. Connector for external sensor and LED:
 - LD contact (+ LED, red)
 - GND contact (ground, blue)
 - DC contact (sensor, yellow)
11. On/off button
12. Battery CR123A
13. External sensor (reed switch)
14. External LED
15. Rubber seal

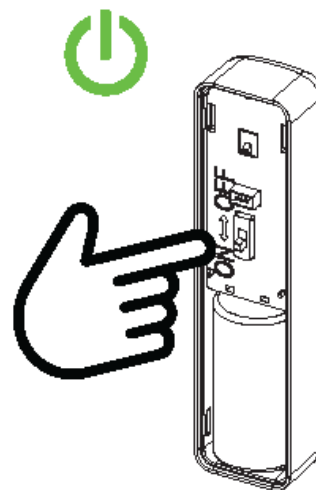
REGISTRATION



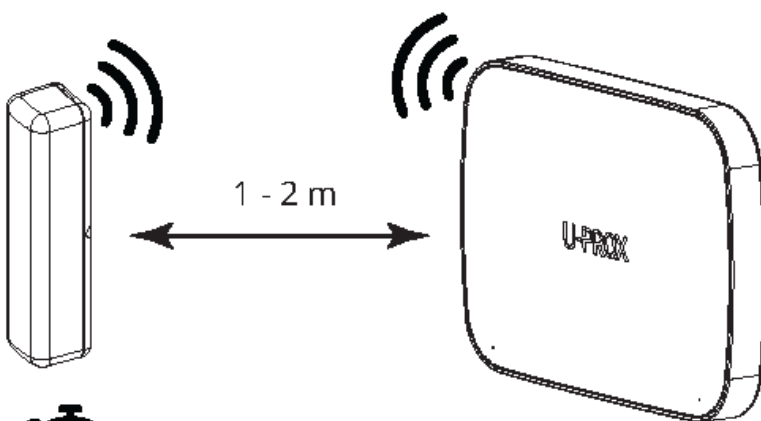
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EN 10-15 s ES 10-15 s

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RANGE TEST FOR OPTIMAL

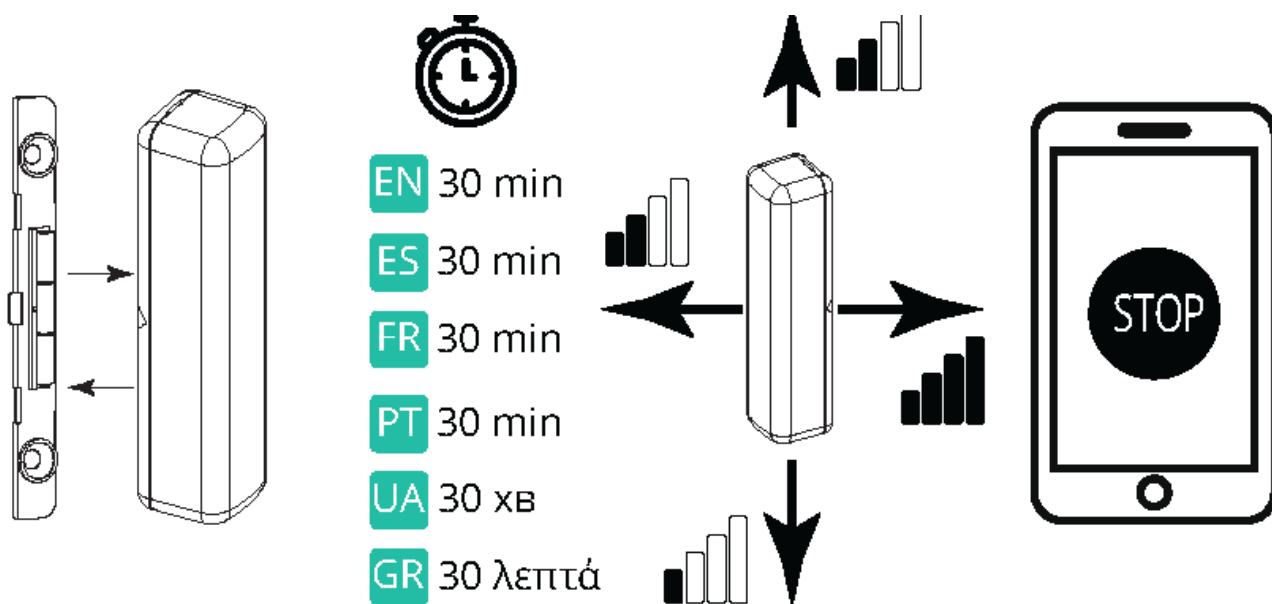


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2a

INSTALLATION LOCATION

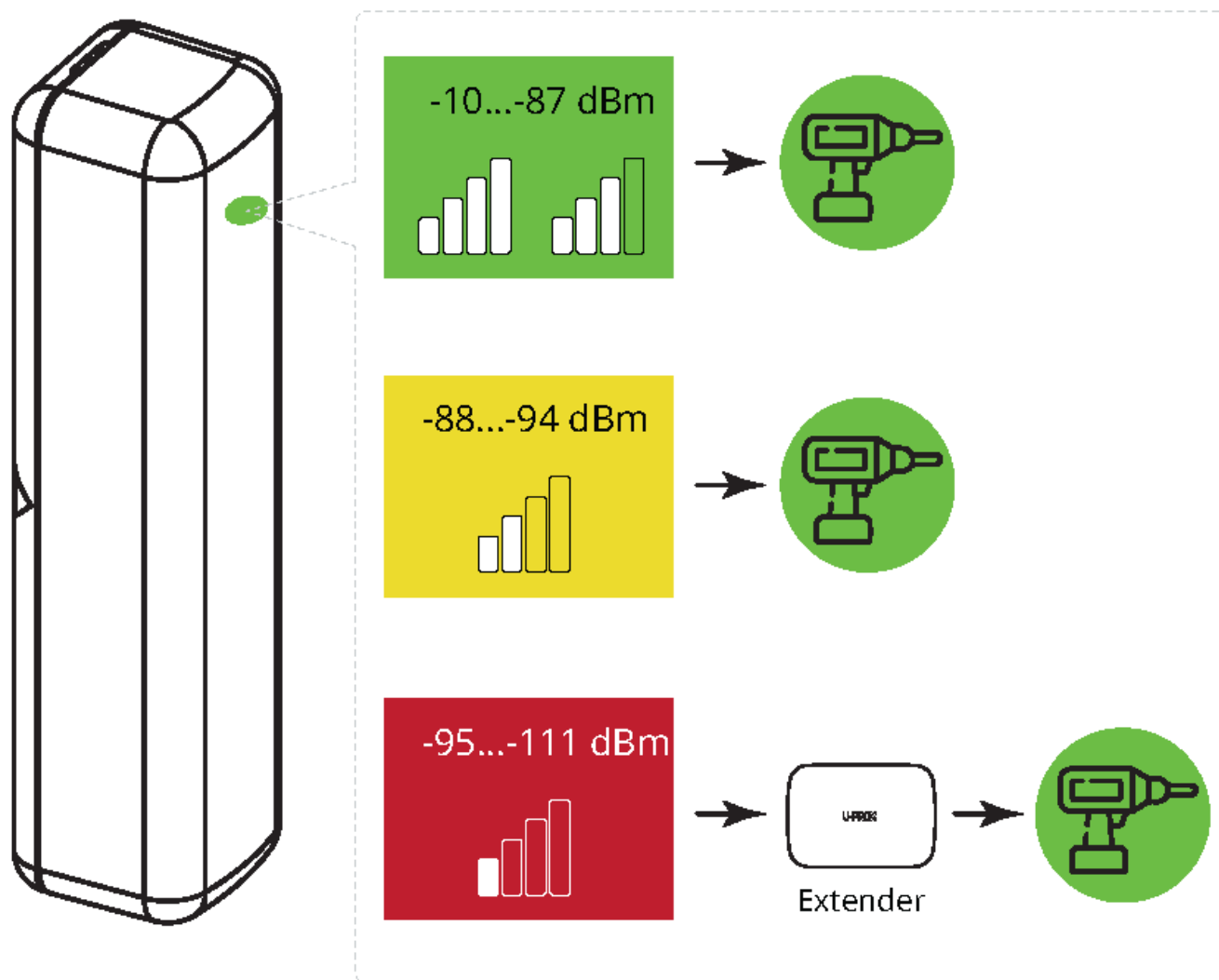


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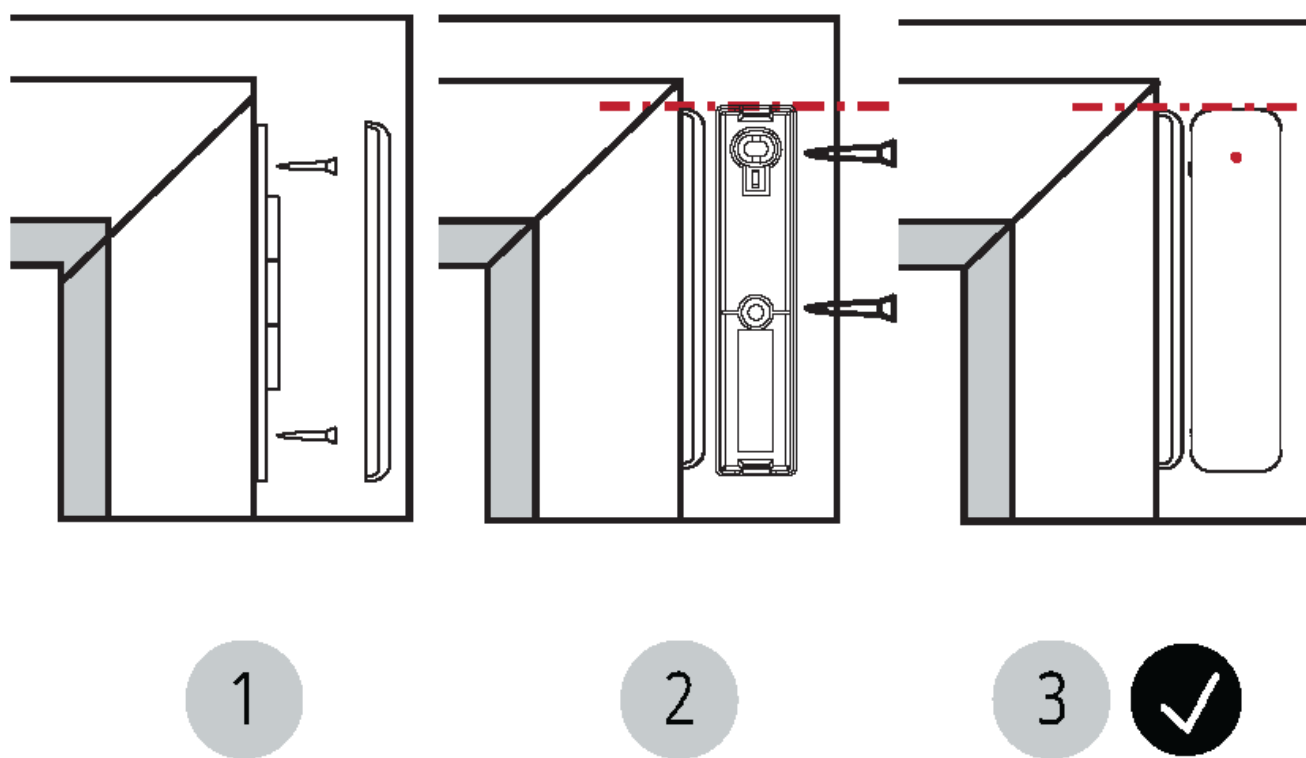
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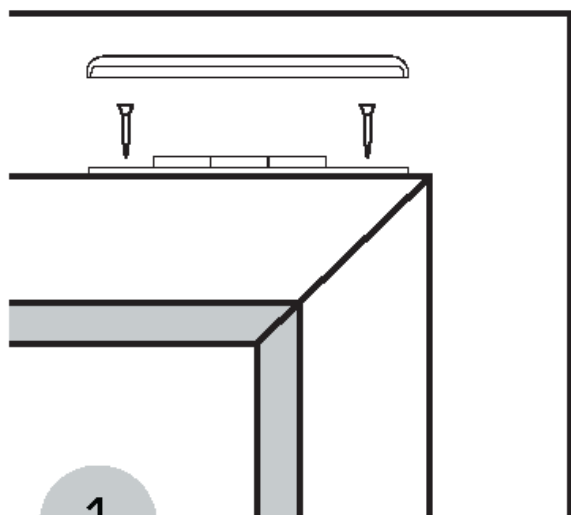
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INDICATION IN RANGE TEST MODE

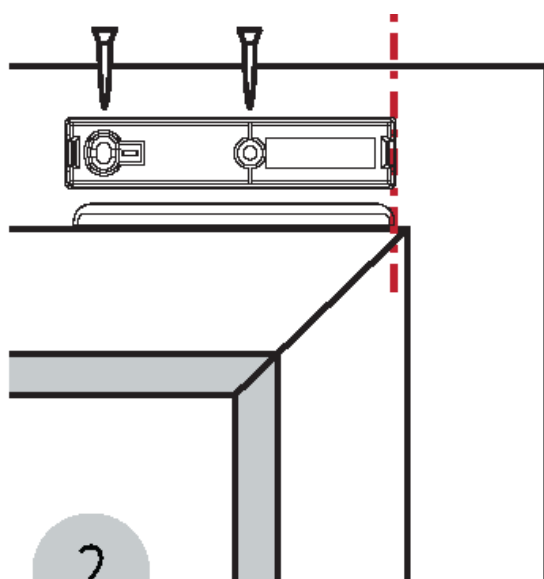


INSTALLATION

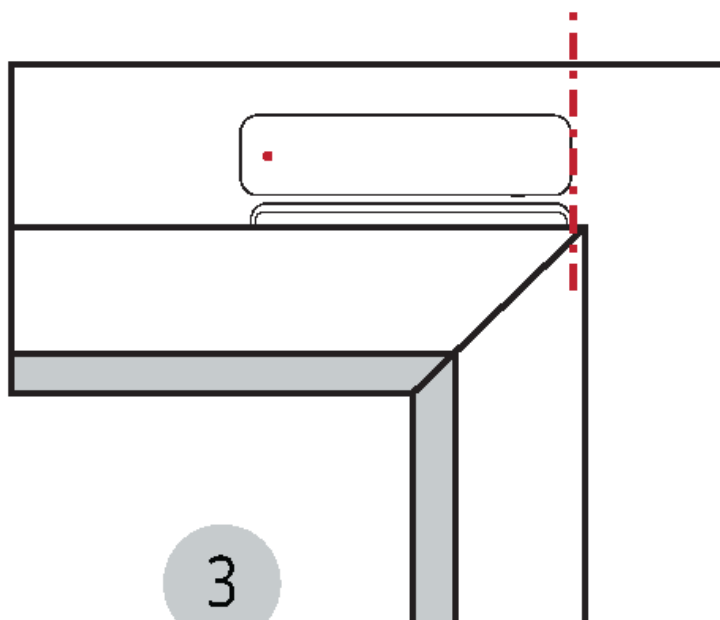




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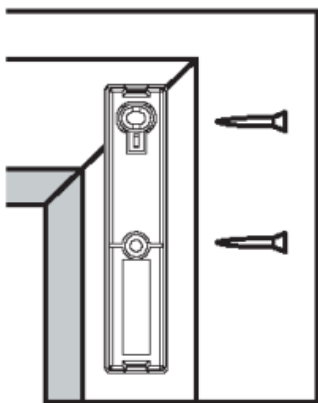


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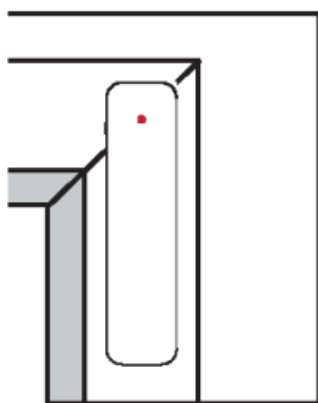


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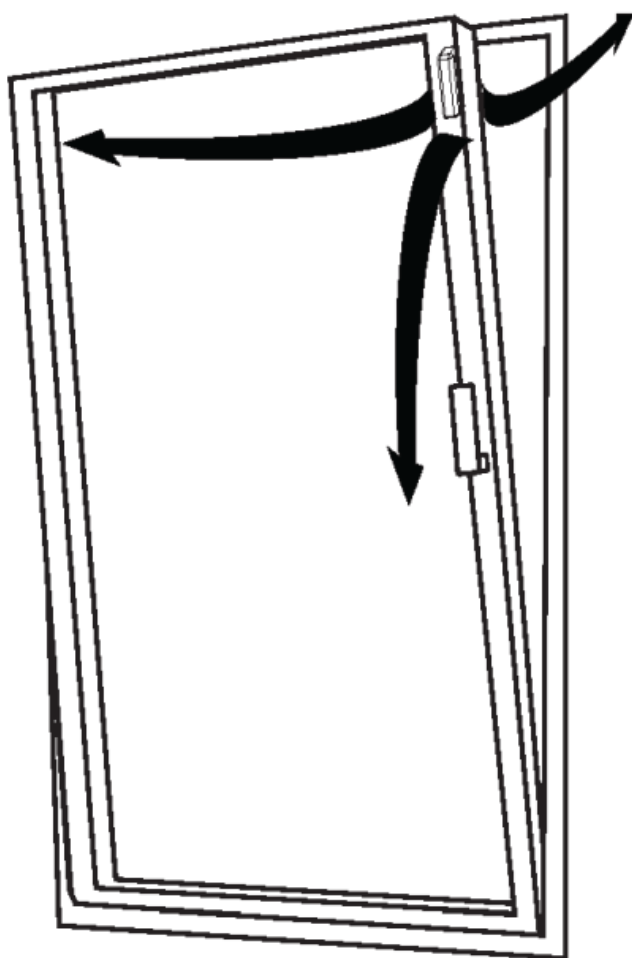




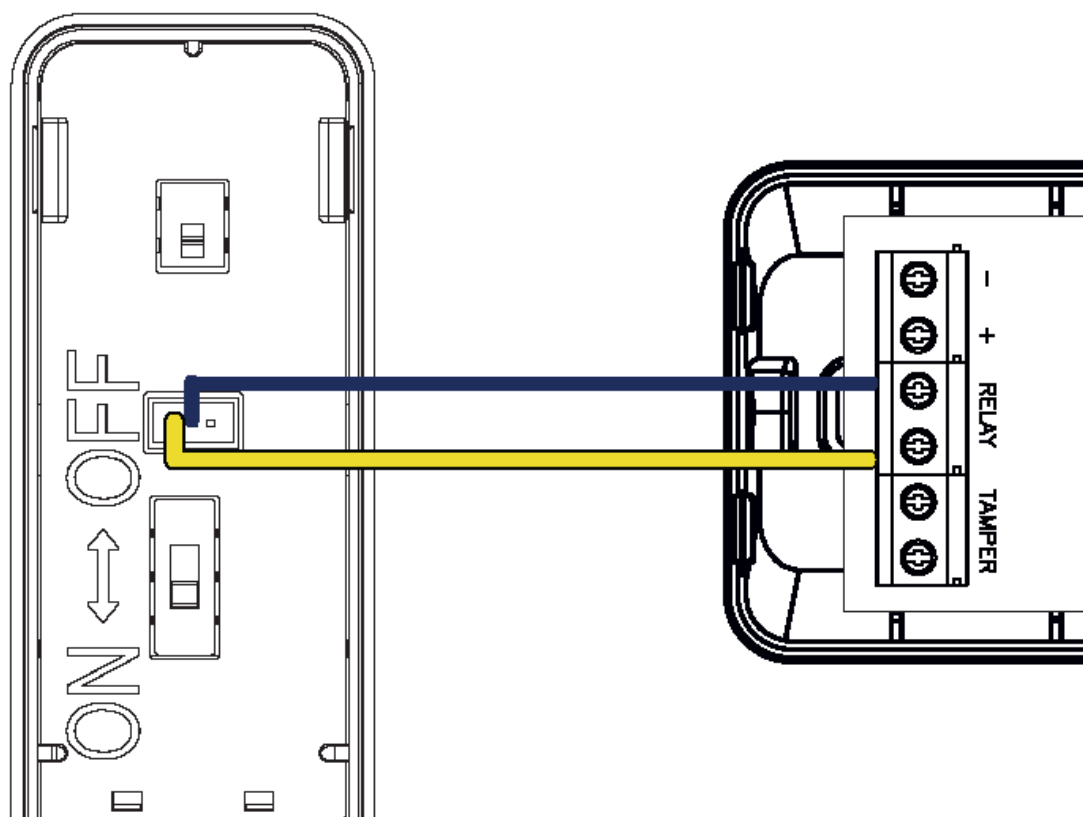
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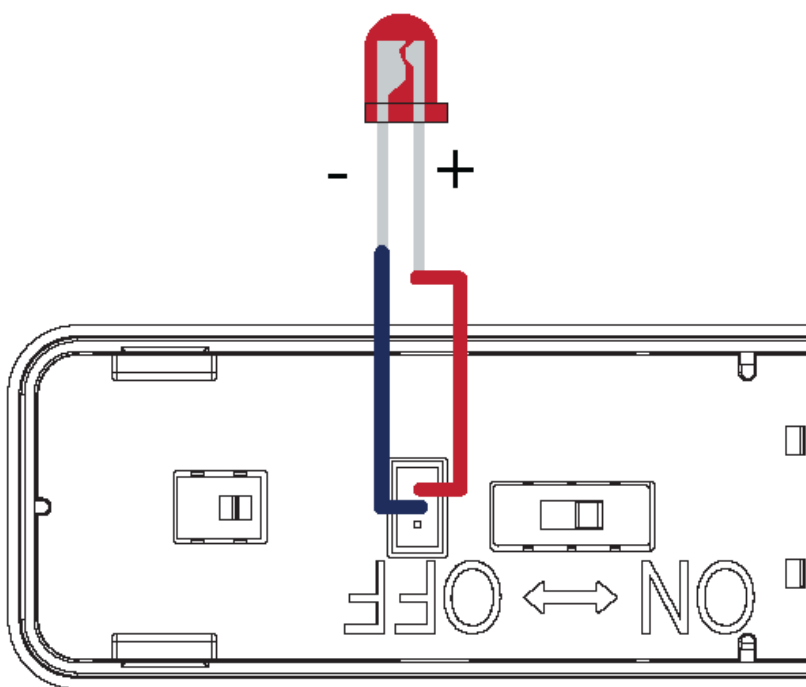
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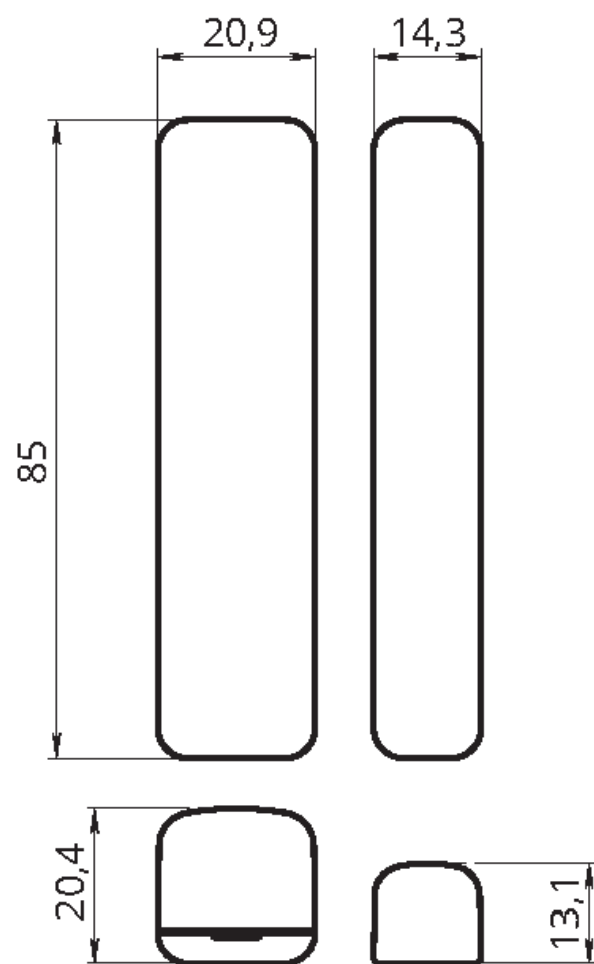
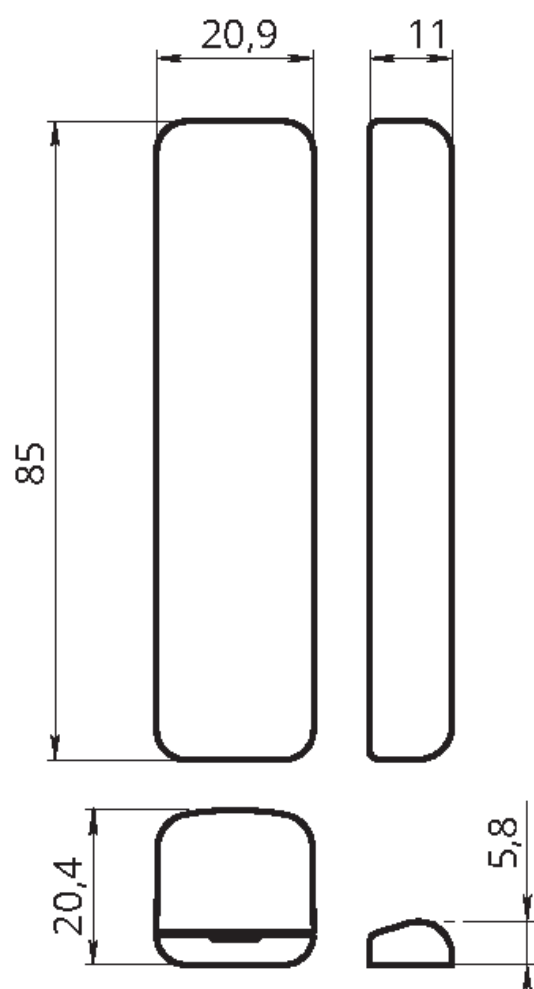
AN EXTERNAL SENSOR CONNECTION



AN EXTERNAL LED CONNECTION



MAGNETS



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Zones	2, adjustable
Functions	built-in reed switch, external input with pulse counter, external input, shock sensor, tilt sensor
Reed switch	threshold 7-15 mm, operations > 1 000 000
Power	3V, CR123A lithium battery included
Service life of battery	up to 5 years
Radio frequency	ISM-band wireless interface with several channels ITU region 1: 868.0 to 868.6 MHz, (EU, UA) 869.0 to 869.4 (MA), bandwidth 100kHz, 20 mW max., up to 4800m (in line of sight); ITU region 3 (AU): 916.5 to 917 MHz, bandwidth 100kHz, 20 mW max., up to 4800m (in line of sight).
Communication	Secure two way communication, sabotage detection, key - 256 bits
Operating temperature range	-20°C to +50°C
Permissible humidity	up to 95%
Environmental class	II (according to EN 50131-1)
Security grade	2
Dimensions & weight	85 x 20,9 x 20,4 mm & 0,1 kg
Magnets dimensions	standard - 85 x 14,3 x 13,1 mm slim - 85 x 11 x 6 mm
Case colour	white, brown, black

COMPLETE SET

1. U-PROX WDC Uni; 2. Magnets – 2 pcs.; 3. CR123A battery (pre-installed); 4. Mounting kit; 5. Quick start guide

CAUTION. RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE USED BATTERIES ACCORDING TO THE NATIONAL REGULATIONS

WARRANTY

Warranty for U-PROX devices (except batteries) is valid for two years after the purchase date. If the device operates incorrectly, please contact support@u-prox.systems at first, maybe it can be solved remotely.

LLC INTEGRATED TECHNICAL VISION declares, that the U-PROX

WDC Uni complies with the Radio Equipment Directive 2014/53/EU and with the Directive 2011/65/EU (RoHS).

The original Declaration of Conformity is available on the website www.u-prox.systems in the Certificates section.



RoHS



SPECIFICATION

- **Zones:** 2, adjustable
- **Functions:** built-in reed switch, external input with pulse counter, external input, shock sensor, tilt sensor
- **Reed switch:** threshold 7-15 mm, operations > 1,000,000
- **Power:** 3V, CR123A lithium battery included
- **Service life of battery:** up to 5 years
- **Radio frequency:** ISM-band wireless interface with several channels
- **Communication:** ITU region 1: 868.0 to 868.6 MHz (EU, UA), bandwidth 100kHz, 20 mW max., up to 4800m (in line of sight)
- **Permissible humidity:** up to 95%
- **Security grade:** 2
- **Dimensions & weight:** 85mm x 20.9mm x 20.4mm & 0.1kg
- **Magnets dimensions:** standard – 85mm x 14.3mm x 13.1mm, slim – 85mm x 11mm x 6mm
- **Case colour:** white, brown, black

Product Usage Instructions

Installation:

Follow the mounting instructions provided in the quick start guide to install the U-PROX WDC Uni on windows or doors.

Connecting External Sensor and LED:

Use the connector provided on the device to connect an external sensor such as a reed switch and an LED for arming information.

Battery Replacement:

To replace the CR123A battery, carefully remove the bottom plate of the detector case and replace the battery with a new one.

Configuration:

Use the U-PROX Installer mobile application to configure the device with the control panel.

Indicator Lights:

The LED indicator on the device will provide visual notifications for different statuses of the detector.

Frequently Asked Questions (FAQ)

Q: How long does the battery last in the U-PROX WDC Uni?

A: The included CR123A lithium battery can last up to 5 years under normal operating conditions.

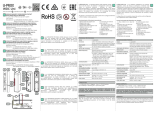
Q: What is the communication range of the device?

A: The device has a communication range of up to 4800m in line of sight, depending on the region’s radio frequency specifications.

Q: Can I use multiple U-PROX WDC Uni devices in one security alarm system?

A: Yes, you can use multiple devices to monitor different windows or doors within the same U-PROX security alarm system.

Documents / Resources

	<p>U-PROX WDC Uni Wireless Magnetic Door Contact With Shock and Tilt Detection [pdf] User Manual</p> <p>WDC Uni Wireless Magnetic Door Contact With Shock and Tilt Detection, WDC Uni, Wireless Magnetic Door Contact With Shock and Tilt Detection, Contact With Shock and Tilt Detection, Tilt Detection</p>
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References

- [User Manual](#)

Related Posts



[U-PROX WDC Wireless Magnetic Door Window Contact User Manual](#)

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[U-PROX WDC Mini Wireless Magnetic Door-Window Contact User Manual](#)

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[U-PROX WDC Wireless Magnetic Door/Window Contact Detector User Manual](#)

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[KIND SHOCK Eteni-272-C250 Instructions](#)

Eteni-272-C250 Model : Date : Rev : KIND SHOCK HI-TECH CO., LTD.

U-PROX

Contact With Shock and Tilt Detection, Tilt Detection, U-PROX, WDC Uni, WDC Uni Wireless Magnetic Door Contact With Shock and Tilt Detection, Wireless Magnetic Door Contact With Shock and Tilt Detection

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