


U-PROX



WDC Uni

Two zoned wireless magnetic contact with tilt and impact sensor

 <https://u-prox.systems/uproduct/u-prox-wdc-uni>



Key Features



Integration with roller shutter motion detector



Indoor and outdoor installation



Impact sensor



Up to 5 year battery life



Over the air Firmware updating



Three bodies colors



Door/window opening detection



Arming windows that are open in ventilation mode

Basic concepts



The WDC Uni combines magnetic door/window contact with impact and tilt sensors, allowing it to be flexible and tailored for different security or home automation scenarios. This integration enhances both security and convenience, detecting not just the opening or closing of doors and windows, but also any unusual activity like impacts or tilts that could indicate unauthorized access or tampering.

An opening sensor consists of the reed switch and a magnet. Its operating principle is that when the door or window is opened, the magnet moves away from the sensor, triggering the alarm. Impact and tilt sensor is based on accelerometer which detecting instances of sudden impact or severe vibration or changing the position in space.



Color selection



White



Black



Brown

The detector's color can be matched to your interior. Our range includes white, black, and brown colors.

WDC Uni

data sheet

Zones in a system	2, independently configurable	Operating humidity	Up to 95%
Functions	Build in magnetic contact, External input with pulse count function for roller shutter motion detectors. Impact and tilt sensor.	Environmental class	II (EN 50131-1)
Reed switch	Response threshold 7-15 mm, Durability: Over 1,000,000 activation cycles	Security grade	II
Power supply	3V, CR123A Lithium metal battery	Body size	85 x 20,9 x 20,4 mm
Battery life time	Up to 5 years	Size of magnets (two in a kit)	Small 85 x 11 x 6 mm Big 85 x 11 x 10 mm
Interface	Radio interface: ISM with several canals for frequency hopping. ITU 1 region: 868.0...868.6 MHz (EU, UA), 869.0...869.4 (MA), with 100 kHz resolution bandwidth, ERP 20 mW, ITU 3 region (AU): 916.5...917 MHz, with 100 kHz resolution bandwidth, ERP 20 mW Radio communication range up to 4800 m (in line of sight).	Body colors	White, black and brown
Communication	Two way encrypted with sabotage(jamming) detection Encryption key - 256 bits	Weight	0,1 kg
Temperature range	-20°C ... +50°C	Complete set"	1. U-PROX WDC Uni; 2. Big and small magnets; 3. Battery CR123A (pre-installed); 4. installing kit 5. Sealing rubber ring 6. Terminal for wired input 7. Quick start guide