

### FEATURES

- KNX RF (RF1.R @ 868.3 MHz) device for detection and notification of window/door opening and closing
- Available in the following colors: grey (RAL 9006), anthracite black (RAL 9004), white (RAL 9016) and brown (RAL 8016)
- Lifting pieces of 3 and 6 mm included
- Heartbeat functionality
- Dimensions 72.7 x 19.2 x 17.5 mm
- Surface-mounted
- Conformity with the CE, RCM directives

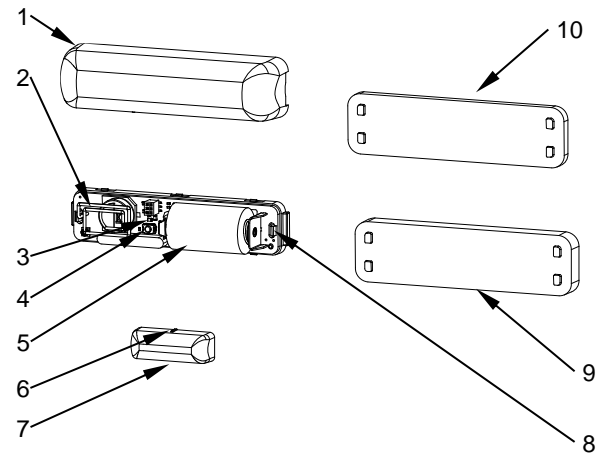


Figure 1: WinDoor RF v2

1. Cover	2. RF Antenna	3. Programming LED	4. Programming button	5. Battery
6. Orientation mark	7. Magnet	8. Slot for opening the device	9. Lifting part (6 mm)	10. Lifting part (3 mm)

Programming/Test button: short press to set programming mode. If this button is held while connecting the battery, it enters the safe mode.  
 Programming LED: programming mode indicator (red). When the device enters the safe mode, it blinks (red) every half second. During the start-up (reset or after power failure) and if the device is not in safe mode, it emits a red flash.

### GENERAL SPECIFICATIONS

CONCEPT		DESCRIPTION	
Type of device	Electric operation control device		
Power supply	Voltage (typical)	3.6 VDC	
	Battery type	1/2AA (ER14250) Li-SOCI2	
	Expected battery lifetime <sup>1</sup> (years)	3	
	Maximum consumption <sup>2</sup>	mA	mW
		26.0	93.6
Communication type	KNX RF Ready (Semi-directional)		
Radio frequency	868.3 MHz		
Maximum transmitting power	20 mW (13 dBm)		
Operation temperature	0 .. +45 °C		
Storage temperature	-20 .. +55 °C		
Operation humidity	5 .. 95%		
Storage humidity	5 .. 95%		
Complementary characteristics	Class B		
Protection class	III		
Operation type	Continuous operation		
Device action type	Type 1		
Electrical stress period	Long		
Degree of protection	IP20, clean environment		
Installation	Surface-mounted on windows or doors. The distance between magnet and sensor must not exceed 20 mm (7 mm in case of steel-made frame and door).		
RF Range <sup>3</sup>	Up to 125 m in free-field		
Operation indicator	The programming LED indicates programming mode (red). After the initialisation (1 s), five quick flashes (5 x 0.1 s) of the LED notify the correct recognition of the closed door.		
Weight	43 g		
Housing material	PC+ABS FR V0 halogen free		

<sup>1</sup> Considering one heartbeat sending each day, 7 open/close cycles per day and medium signal power.

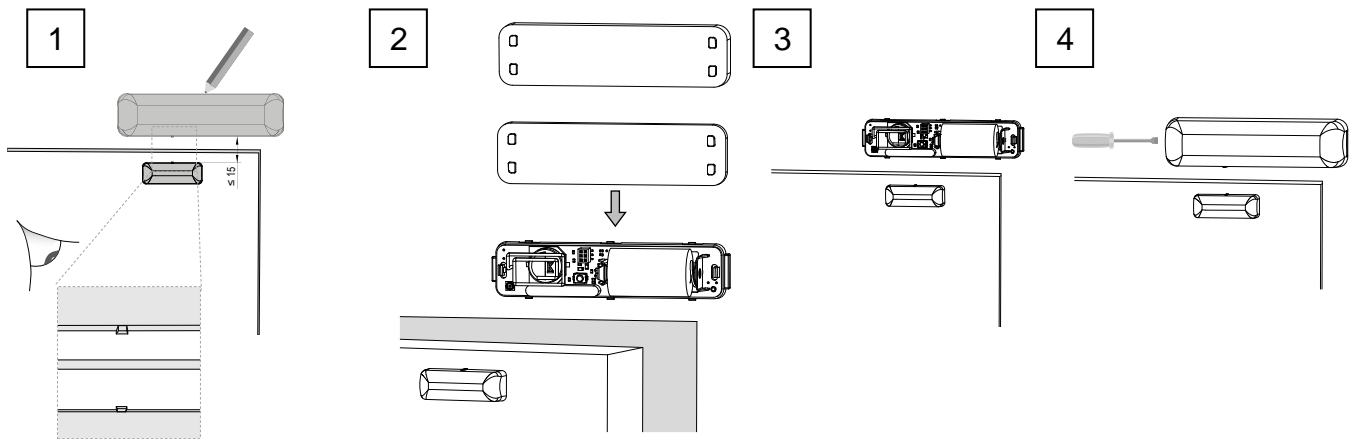
<sup>2</sup> The maximum consumption depends on the transmission power parameterized.

<sup>3</sup> The maximum range depends on several factors such as environmental conditions, device orientation, type and thickness of the surrounding materials, etc.

## INSTALLATION INSTRUCTIONS

1. Place the sensor on the door/window frame, and the magnet directly on the edge of the door/window. Align the marks correctly and mark the position of both of them. The distance between the sensor and the magnet when the door/window is closed must be lower than 20 mm (7 mm in case of steel). For details on the different types of installation, please refer to the technical note "Installation WinDoor RF".
2. Use the lifting parts if necessary for a correct alignment of the sensor with the magnet. Fix both the lifting parts and the sensor on the previously marked locations using the supplied adhesive strips (cleaning the area beforehand). Do the same with the magnet.
3. With the door closed, verify that the device is completely off by pressing the programming button shortly, and then remove the plastic strip that isolates the battery. Check that the device starts (programming LED in red colour for 1 s) and then that the closed door is recognized (five quick flashes).
4. Place the sensor cover. If it is necessary to remove the cover again, use a screwdriver in the existing slot on the side of the product.

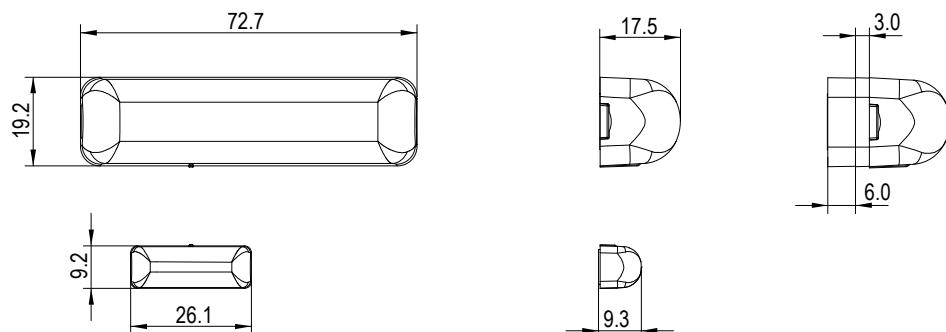
To download the individual address or the application press the programming button before starting the ETS download.



## BATTERY REPLACEMENT

1. Remove the cover using a screwdriver in the existing slot on the side of the product.
2. Remove the battery being careful not to damage the antenna or the printed circuit board. Push the programming button and wait for some seconds (until programming LED is turned off).
3. Insert the new battery paying attention on the polarity. Check that the device starts (programming LED in red colour for 1 s) and then that the closed door is recognized (five quick flashes).
4. Put the sensor cover back.

## DIMENSIONS (mm)



## SAFETY INSTRUCTIONS AND ADDITIONAL NOTES

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- This device is not suitable for security applications in alarm systems.
- Avoid to install the device close to radioelectric devices. The materials of the building and of the elements near the device could influence on its coverage range.
- This device uses Li-SOCI2 batteries, this kind of batteries have explosion risk in case of replacing them with wrong types batteries. Please, be careful during the battery replacement.
- Keep the device away from water (condensation over the device included) and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <https://www.zennio.com/en/legal/wEEE-regulation>.
- This device contains software subject to specific licences. For details, please refer to <https://zennio.com/licenses>.