

# AirWD-100 | Magnetic detector (indoor)



- The magnetic detector is used to detect motion – it is activated by attaching / removing the magnet from the sensor.
- The Sigfox, LoRa or NB-IoT network can be used for message transmission.
- Anti-sabotage function (tamper): When unauthorized interference with the detector occurs (disassembly) it sends an information message to the server.
- Data is sent to the server from which it can be subsequently displayed as a smartphone, application, or Cloud notification.
- Battery status information is sent as a message to the server.
- Power supply: 1x CR123A battery.

Technical parameters	AirWD-100S	AirWD-100L	AirWD-100NB
<b>Power supply</b>			
Battery power:	1x CR123A battery		
Battery life by frequency *:			
1x 10 minutes	0.3 year	3 years	2 years
1x 60 minutes	1.5 years	5 years	4 years
1x 12 hours	4.5 years	5.5 years	5.5 years
1x 24 hours	5 years	6 years	6 years
<b>Setting</b>			
Alarm Detection:	message to the server, audible alarm		
Acoustic signal:	greater than 45 dB / 1m		
Battery status view:	message to the server		
<b>Detection</b>			
Closed:	< 1.5 cm		
Open:	> 2 cm		
Reliability:	99.9 %		
<b>Indication</b>			
LED:	broadcast		
Sensor:	magnetic / tongue relay		
<b>Communication</b>			
Protocol:	Sigfox	LoRa	NB-IoT
Transmitter frequency:	RCZ1 868 MHz	868 MHz	LTE Cat NB**
Range in open space:	Approx. 50 km***	Approx. 10 km***	Approx. 30 km***
Transmission power (max.):	25 mW / 14 dBm	25 mW / 14 dBm	200 mW / 23 dBm
<b>Other parameters</b>			
Working temperature:	0...+50°C (Pay attention to the operating temperature of batteries)		
Storage temperature:	-30...+70°C		
Operation position:	vertical		
Mounting:	glue / screws		
Protection degree:	IP40		
Color:	white		
<b>Detector</b>			
Dimension / Weight:	31.5 x 75 x 30 mm / 32 g (without battery)		
<b>Magnet D/WD****</b>			
Dimension / Weight:	15 x 75 x 13 mm / 13 g		

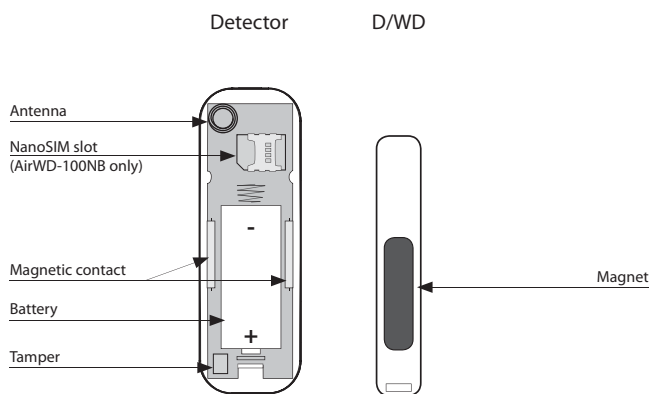
\* Values are calculated under ideal conditions and may vary according to alarm frequency

\*\* Multiple frequency bands of B1 / B3 / B5 / B8 / B20 / B28

\*\*\* Depending on network coverage

\*\*\*\* Included in the package

## Device description



## Function

Activation occurs when the magnet is attaching / removed from the sensor. The detector sends a data message every 12 hours. In case of a state change, it sends the data message immediately. Alarm - when the magnet is moved to the detector, an audible alarm will sound for 2 seconds.