



## AirKey

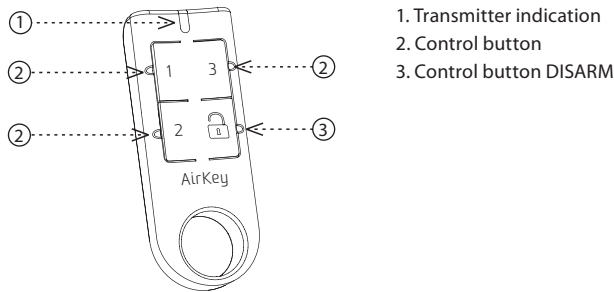
### Key chain iNELS Air



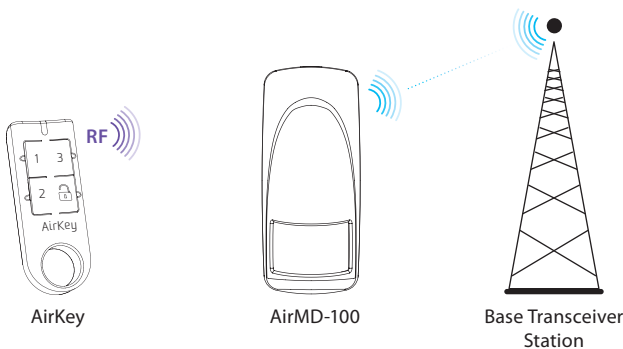
### Characteristics

- It is used to deactivate the motion detector when you enter the monitored area.
- One detector can be matched up to 32 key fobs. The key fob can be paired with any number of detectors.
- Designed in black and white with laser printing.
- Battery power supply (3V/CR2032 - included in the supply) with battery life of around 5 years based on frequency of use.

### Description



### Function



If no movement is detected by the motion detector for 15 minutes, the guard will be activated automatically.

#### Disarm (DISARM)

When capturing motion in the guard state, the blue LED lights up and an uninterrupted beep sounds at the same time. Press the button on the AirKey Controller. The audible alarm is switched off and the transition to the DISARM status is confirmed by a short beep.

If the guard is not switched off within 5 seconds, the audible alarm turns off and the detector sends the alarm to the user.

If the detector is deactivated by the AirKey controller, it does not transmit the motion detection information to the user.

### General instructions

#### Internet of Things (IoT)

- The IOT wireless communications category describes the Low Power Wide Area (LPWA). This technology is designed to provide full-range coverage both inside and outside buildings, energy-saving and low-cost operation of individual devices. Individual networks - Sigfox, LoRa, NarrowBand - are available to use this standard.

#### Sigfox network information

- The network supports bidirectional communication but with a limited number of feed-backs. It uses the free frequency band divided by Radio Frequency Zones (RCZ).
  - RCZ1 (868 MHz) Europe, Oman, South Africa
  - RCZ2 (902 MHz) North America
  - RCZ3 (923 MHz) Japan
  - RCZ4 (920 MHz) South America, Australia, New Zealand, Singapore, Taiwan
- Sigfox has more coverage across countries, so it is better suited for long distance monitoring.
- For more information on this technology, please visit [www.sigfox.com](http://www.sigfox.com).

#### LoRa network information

- The network is bidirectional and its communication uses free frequency band.
  - 865 - 867 MHz India
  - 867 - 869 MHz Europe
  - 902 - 928 MHz North America, Japan, Korea
- The advantage of this network is the possibility of freely deploying individual stations in local locations, thus strengthening their signal. It can therefore be used efficiently in company premises or, for example, in local parts of cities.
- For more information on this technology, please visit [www.lora-alliance.org](http://www.lora-alliance.org).

#### Information about the NarrowBand network

- The network provides two-way communication and the only one to use the licensed LTE band. Our devices allow band 1 (2100MHz), Band 3 (1800MHz), Band 8 (900MHz), Band 5 (850MHz), Band 20 (800MHz) and Band 28 (700MHz).
- It uses this SIM card technology for each device.
- The advantage of NarrowBand is the use of already built-up grids, which ensures sufficient reception outside and inside buildings.
- For more information on this technology, please visit [www.vodafone.cz](http://www.vodafone.cz)

#### Caution for proper operation:

- Products are installed according to the wiring diagram given for each product.
- For proper device functionality, it is necessary to have sufficient coverage of the selected network at the installation site.
- At the same time, the device must be registered in the network. Successful device registration on a given network requires a charge for traffic.
- Each network offers different tariff options - it always depends on the number of messages you want to send from your device. Information on these tariffs can be found in the current version of the ELKO EP pricelist.

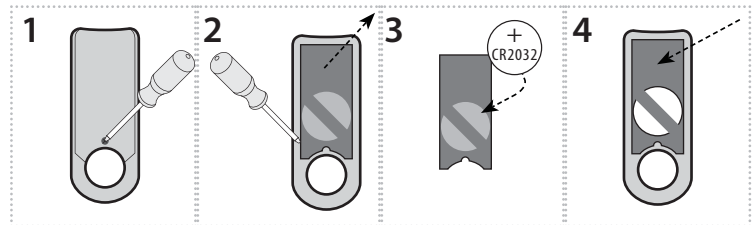
## Technical parameters

	AirKey/W	AirKey/B
Supply voltage:	3 V battery CR 2032	
Transmission indication:	red LED	
Number of buttons:	4	
<b>Communication</b>		
Protocol:	iNELS RF Control RFIO	
Transmitter frequency:	868 MHz	
Range in open space:	up to 100 m	
Signal transmission method:	unidirectionally addressed message	
<b>Other parameters</b>		
Operating temperature:	-10 ... +50 °C	
Operating position:	any	
Color:	white	black
Protection:	IP20	
Contamination degree:	2	
Dimensions:	64 x 25 x 10 mm	
Weight:	10 g (without battery)	

## Warning

Read the operating instructions before installing the device and putting it into operation. Instruction manual is designated for mounting and also for user of the device. It is always a part of its packing. Installation and connection can be carried out only by a person with adequate professional qualification upon understanding this instruction manual and functions of the device, and while observing all valid regulations. Trouble-free function of the device also depends on transportation, storing and handling. In case you notice any sign of damage, deformation, malfunction or missing part, do not install this device and return it to its seller. It is necessary to treat this product and its parts as electronic waste after its lifetime is terminated. Before starting installation, make sure that all wires, connected parts or terminals are de-energized. While mounting and servicing observe safety regulations, norms, directives and professional, and export regulations for working with electrical devices. Do not touch parts of the device that are energized – life threat. To ensure the transmission of the radio signal, make sure that the devices in the building where the installation is installed are correctly located. Unless otherwise stated, the devices are not intended for installation in outdoor and damp areas, they must not be installed in metal switchboards or in plastic cabinets with metal doors - this prevents transmission of the radio frequency signal. iNELS Air is not recommended for controlling life-saving instruments or for controlling hazardous devices such as pumps, heaters without thermostat, lifts, hoists, etc. - radio frequency transmission may be overshadowed by obstruction, interference, transmitter battery may be discharged etc., thereby disabling the remote control.

## Insertion and replacement of a battery



1. Using a Phillips head screwdriver, remove the screw on the back of the transmitter. Remove the rear cover.
2. Carefully remove the device from the box.
3. Slide the CR2032 battery into the battery holder. Observe the polarity.
4. Insert the device into the housing so that it clicks onto the tabs and to the stops inside the housing.
5. Replace the rear cover and replace the screw.

### Notice:

Only use batteries designed for this product correctly inserted in the device! Immediately replace weak batteries with new ones. Do not use new and used batteries together. If necessary, clean the battery and contacts prior to using. Avoid the shorting of batteries! Do not dismantle batteries, do not charge them and protect them from extreme heating - danger of leakage! Upon contact with acid, immediately rinse the affected area with a stream of water and seek medical attention. Keep batteries out of the reach of children. Batteries must be recycled or returned to an appropriate location (e.g. collection container) in accordance with local legal provisions.

## Safe handling



When handling a device unboxed it is important to avoid contact with liquids. Never place the device on the conductive pads or objects, avoid unnecessary contact with the components of the device.