



# Azor

GSM MINI ALARM



**JABLOTRON**  
CREATING ALARMS

user manual

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## Description

Azor is a wireless alarm for monitoring against burglars. It has been designed for small houses, flats, offices, shops, etc. It can also be supplemented with a optical smoke detector.

Guarding can be simply SET or UNSET using an RFID tag. You just need to press the switch at the door and use the RFID tag. The system can also be controlled with a telephone – via voice menu options.

When an alarm is triggered, Azor can call a security agency (Alarm Receiving Centre). However, it can also report events by SMS messages and by phone calls. You can define which information you are interested in (alarms, power supply failure, who set or unset the system and when, etc.).

If you decide to adjust Azor's behaviour to suit your needs, you just need to connect it to a PC and use the included user-friendly A-Link software.

### Features:

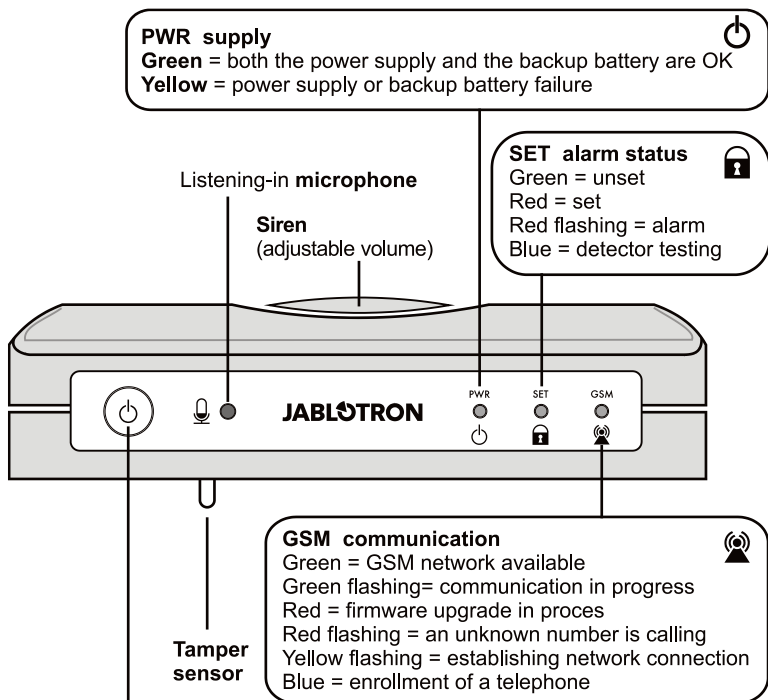
- **up to 10 wireless detectors** (motion, door opening, window opening, fire, panic)
- **up to 10 users** authorized to control the setting/unsetting
- **voice menu** for control via a telephone
- **SMS and voice reporting of events** to users (individual settings)
- **transmission of information to an Alarm Receiving Centre** (including connection checks)
- **possibility of listening in** on the guarded premises
- **siren** to scare burglars (silent alarm can be set as well)
- **tamper alarm for** reporting an attempt to damage any part of the system
- **1 year battery lifetime** (in detectors and remote controls)
- **backup battery** in the communicator (for power failures)
- **automatic checking** of the functioning of all parts of the system (including battery status checks)
- **USB port** for connection to a PC (setup does not require SW installation)
- **event memory** of up to 1000 events
- **false alarm filter**
- **optional door opening “chime“ function**
- **optional wireless doorbell button function**
- **services of [www.myjablotron.com](http://www.myjablotron.com)**
- **future product updates for new functions**
- **meets EN-50131-1**, security grade 1, environment class I



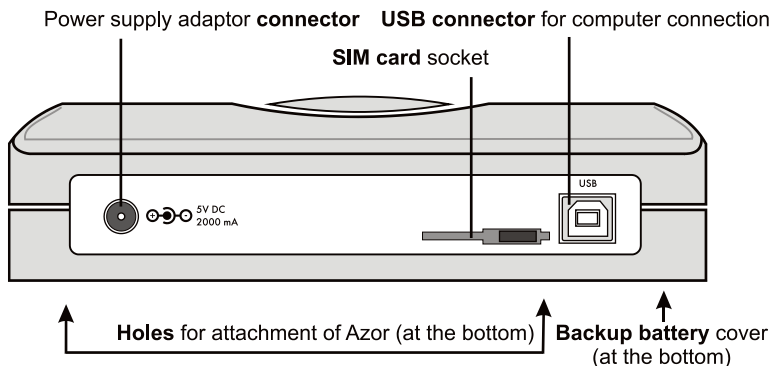
## AZOR kit contents

### AZ-10K GSM control unit

The GSM control unit, a wireless alarm control panel, processes information from all detectors in the system. It is usually installed in a hidden place.



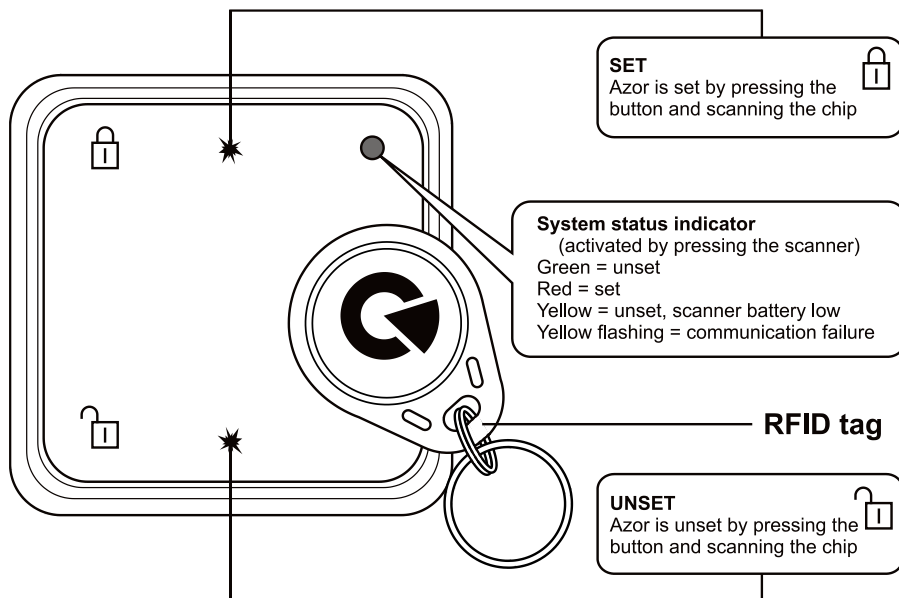
Button – Azor can be switched on/off by pressing and holding the button





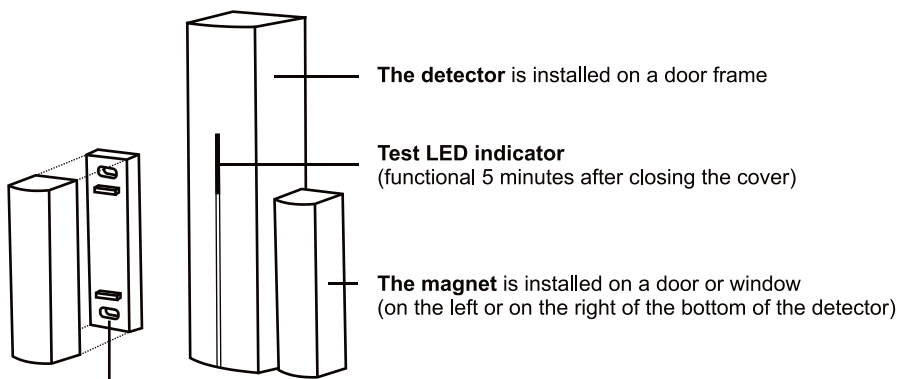
## AZ-10D RFID tag reader

Serves for setting and unsetting. It is usually installed at the entrance door.



## AZ-10M door-opening detector

Reports opening doors, windows, etc.



**Magnet pads** (use when installing on a metal surface, they protect the magnetic field from a "short circuit")

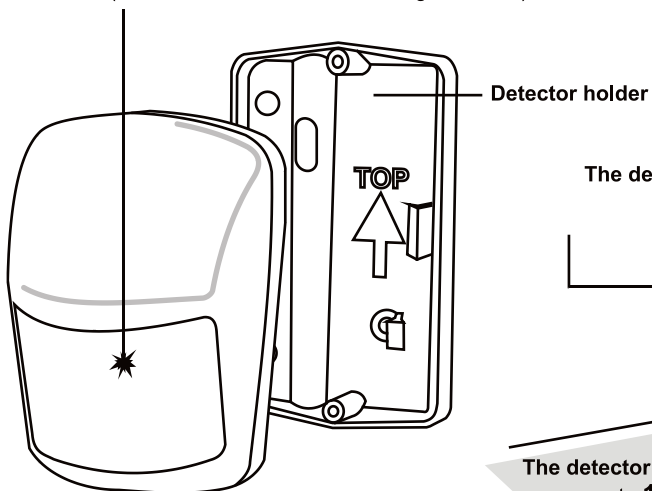


### AZ-10P motion detector

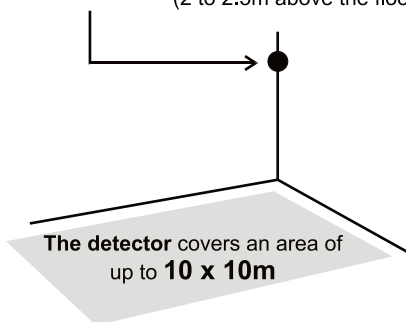
Reports human motion

#### Testing LED indicator

(functional 5 minutes after closing the cover)



The detector should be installed  
in the corner of the room  
(2 to 2.5m above the floor)



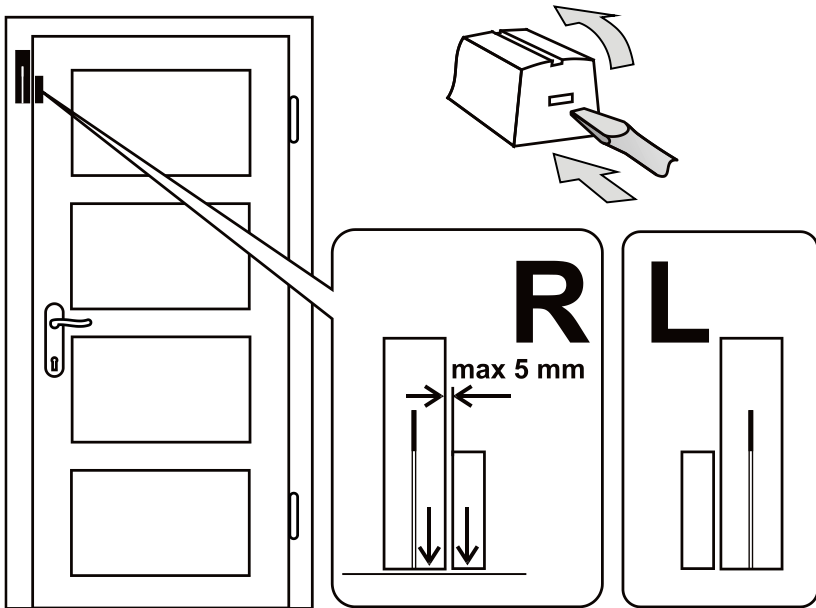


## Installation

First attach the detectors temporarily with double-sided adhesive tape. The screws can only be used after the communication test. If the surface is smooth and cohesive, it is possible to attach the detectors with only adhesive tape.

**The distance between a detector and the GSM control unit must not exceed 20m.**  
Note: the radio signal can be blocked by metal objects, wet walls, and wall and ceiling supporting structures, etc.

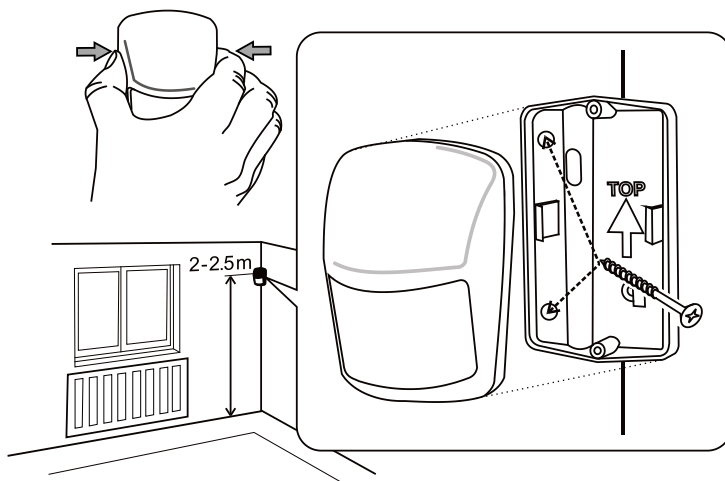
### Door-opening detector installation



- Attach the detector to a door frame (solid part); the antenna should point upward.
- Attach the magnet to the door (if it is made of metal, use a plastic pad underneath).
- When the door is closed, the magnet unit must almost touch the bottom part of the detector (on the left or on the right).
- Connect the batteries (leave the internal switches in the 1 DEL and 2 MG EN positions).
- Close the detector (the tamper contact spring must be compressed).
- When the door is opened, the detector indicator light should flash. You can test the function for 5 minutes and then the indicator light turns off. You can repeat the test by opening and closing the detector housing (a tamper activation).



## Motion detector installation



- The detector should be installed in the corner (facing the room), 2 to 2.5m above the floor. The detector is able to cover an area of up to 10 x 10m\*.
- The detector holder should be fixed so that the sensor window points diagonally into the room (the arrow in the holder should point upwards).
- Remove the transportation cap from the tamper contact.
- Open the detector cover (by pressing the sides along the window).
- Connect the batteries (leave the internal switches in the 1 STANDARD and 2 DELAY positions).
- Close the detector and push it on to the holder.
- Wait until the indicator light turns off (calibration is completed) and test whether the detector reacts to human movement.
- Detected motion is indicated with flashing. You can test for 5 minutes and then the indicator light turns off. You can repeat the test by opening and closing the detector housing.

### **Tips and specifications**

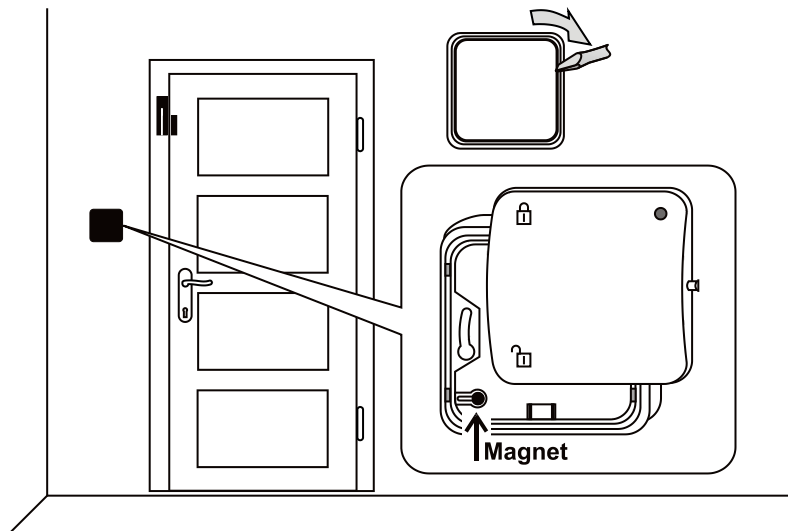
\*) The detector must have an unrestricted view of the room. To avoid false alarms:

- The detector must not be located opposite radiators or other sources of heat with curtains hanging above them.
- It should not be aimed at the windows.
- It must not be located near open windows, doors or ventilators (it can react to draughts).
- There must not be any things or animals with a temperature around 36 °C (pets, rodents, warm air from electric appliances, radiator grilles, etc.) in the guarded area.



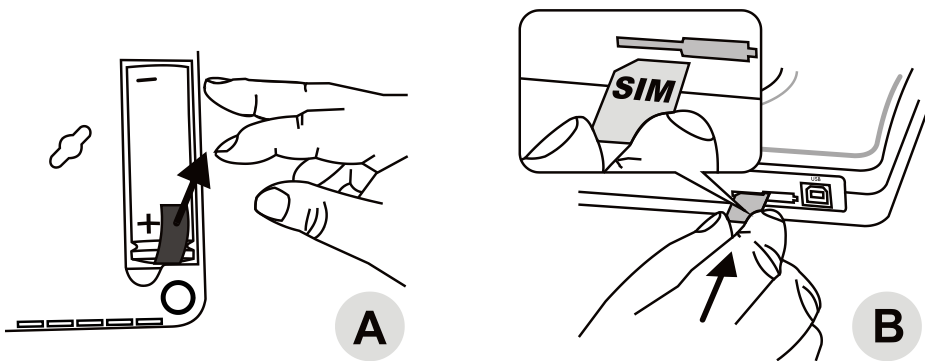


## RFID tag reader installation



- Install the RFID tag reader at the door (the magnet should be in the bottom left corner of the attachable bottom frame). If the reader is to be installed in an embedded box, insert the magnet in the top frame of the reader.
- Connect the batteries and close the reader (the LED indicator should be at the top).
- Switch on the GSM control unit and test its functioning.

## Switching the GSM control unit on for the first time

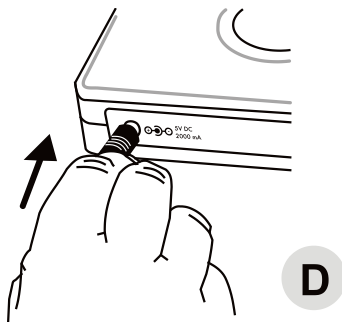
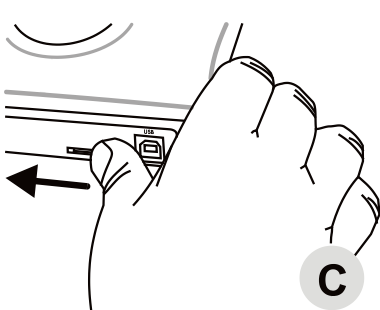


1. Find a concealed place near an electrical socket.
2. Open the battery cover, remove the insulation strip and close the cover (A).

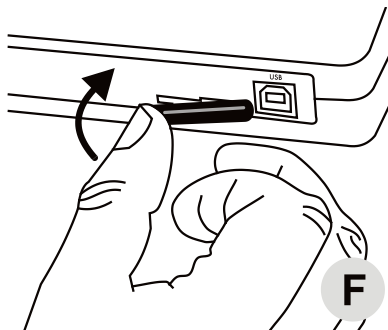
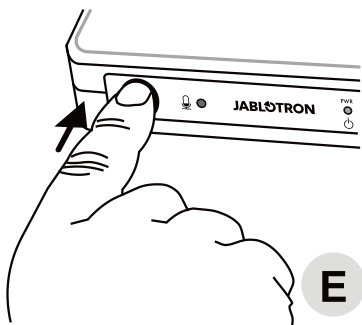


## Installation

3. Use your telephone to verify the functioning of the SIM card you are going to use in Azor\*. The card must have the PIN code disabled and there must be high quality GSM coverage in the selected area.
4. Insert a SIM card into the GSM control unit\* (B).



5. Secure the SIM card with the latch in the direction of the arrow\* (C).
6. Connect the power adaptor (D).



7. Press the GSM control unit button (E) and hold it for about 2 seconds (Azor will light up).
8. Wait until all three green LED indicators light up.
9. If any of the LED indicators fails to light up within 2 minutes, check what Azor signals (see description in the manual beginning).
10. Secure the SIM card in the GSM control unit with the plastic cap (F) to avoid its removal when you have finished the installation.

### Tips and specifications

\*) Only if Azor has no SIM card inserted upon delivery



## **Installation of the GSM control unit and its antenna**

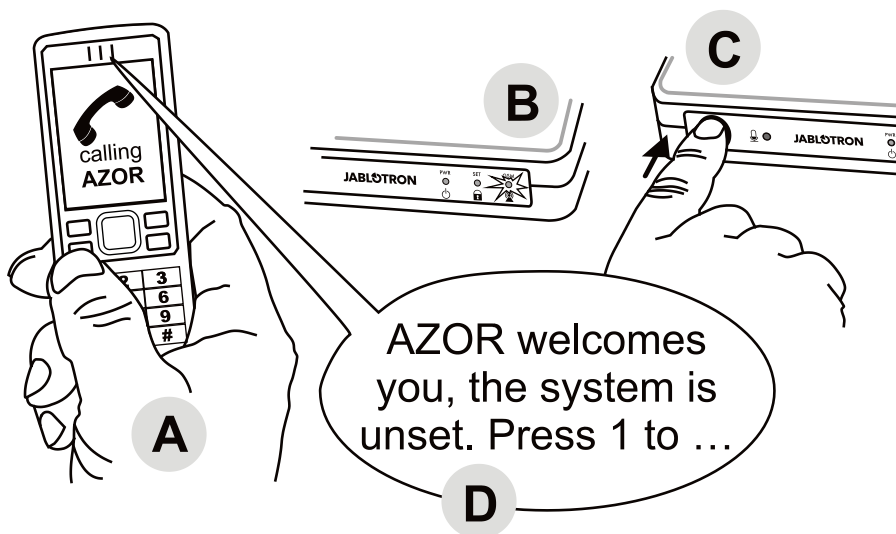
- The GSM control unit should be installed in a concealed place. There must be a power socket for the connection of the supplied power adaptor within reach.
- If the LED indication on the front panel of the control unit is unwanted (may show the place of unit installation) it is possible to switch it off using A-Link. The LED indication is switched off within 15 minutes. If you need to check the indication briefly press the button on the unit and the indication will appear for 15 minutes. In the case of power trouble the LED indication is always on.
- Neither other electronic appliances nor low current cabling should be near the GSM control unit (e.g. audio systems, antenna cables) which may be affected by the GSM transmitter in the control unit.
- You can use the template on the back of the manual to mark the spots where you want to fix Azor to the wall. The screws should protrude a bit so that the box with electronics can be mounted on the screw heads and secured by moving it sideways.

## **Tamper detector**

The GSM control unit has a sensitive tamper-switch at the bottom (a plastic lever). The switch reacts to the GSM control unit being picked up from a surface. In such a case the system will send a tamper activation report.



### Enrollment of a telephone



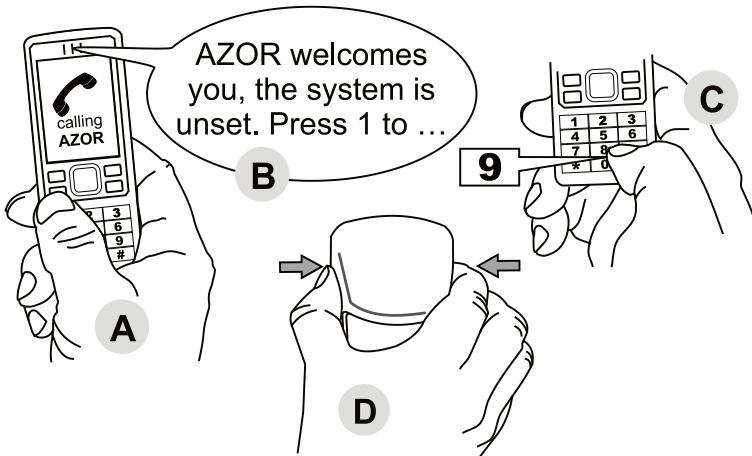
- The GSM control unit must be switched on and all its indicator lights must be flashing green.
- Call Azor (its SIM card number) from the telephone (A)
- As soon as the GSM LED indicator starts flashing red (B), press the GSM control unit button (C) for a short time.
- The GSM LED indicator should confirm call reception by flashing blue.
- Azor then plays the voice menu to the telephone (D).
- Test the menu functions and end the call.
- In order to access the menu repeatedly, just call Azor again (from the same telephone number).

#### **Tips and specifications**

- Only one telephone without a hidden number can be enrolled.
- Azor must be unset in order to enroll the phone. Only the first user's telephone can be enrolled the way mentioned above.
- You can use the same way to replace the first user's telephone number with another one. The originally enrolled telephone number is then deleted (Azor will send an SMS notification – including the number of the newly set telephone).
- Azor should set the language automatically based on your country calling code.
- For the setting of other users' telephones and their locking, see the Settings.



## Communication test



- Call Azor from an enrolled telephone (A).
- Press 9 (C) in the voice menu (B).
- Detector testing mode should be activated.
- Activate the detectors and the RFID tag reader one after another (D).
  - Test a motion detector by opening and closing its cover.
  - Test a door-opening detector by opening and closing its cover.
  - Press the UNSET button to activate the RFID tag reader.
- Azor will confirm detector activation with a voice message to the user's telephone number.
- End the call to finish testing or press # on the phone keypad.

### Tips and specifications

- The test can start only when Azor is unset
- If Azor fails to send a report confirming detector activation, check:
  - Whether the detector batteries have been installed properly.
  - Whether radio communication is shielded by a metal obstacle.
  - Whether the distance between the detector and the GSM control unit is too far (try a different location).
  - Whether the detector has been enrolled correctly (by connecting to a computer and checking the registration code).
  - It is not possible to set the system during test mode and no alarm can be triggered

Azor regularly checks its connection with the detectors and the RFID tag reader. If the connection is lost, a report is sent to the user (must be set) and information is also stored in the event memory. In such a case please check the batteries in the detector or RFID tag reader concerned and check the signal level (it may be influenced e.g. by changes in the room arrangement).



## Control

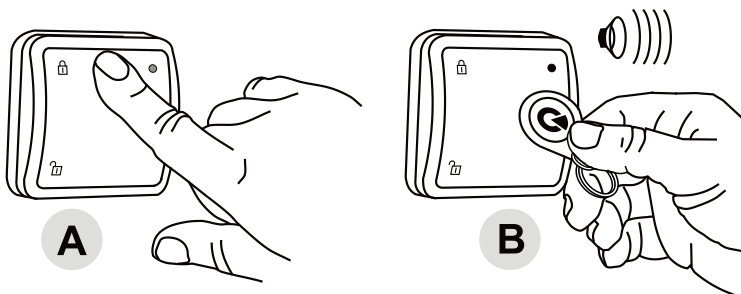
The following description applies to Azor's default settings. However, you can adjust its behaviour as you wish – see the Settings.

**A RFID tag reader** is usually used to control Azor at the protected premises. Users whose telephone has been enrolled to the system can also control Azor via the voice menu. The access to the menu can be protected with a personal User's code – see the Settings.

### Switching Azor on/off

Azor can be switched on/off by holding the GSM control unit button. Azor reports its switching on/off (to the ARC and also with an SMS message).

### Setting Azor



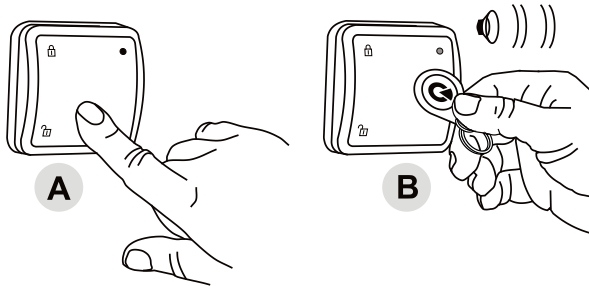
- Press the SET button on the RFID tag reader (A) and scan the RFID tag (B)
- The red LED indicator in the reader lights up and a 1 minute exit delay is launched
- Detector activation will not trigger an alarm in this time
- Azor will confirm its setting with a longer beep

#### *Tips and specifications*

- The system can also be set via the telephone voice menu.
- A different exit delay can be set (see the Settings).
- If you press the RFID tag reader button in a set state, a red LED indicator lights up.
- When a detector is activated in the set state, an alarm is triggered. However, a 30-second entrance delay during which the user can unset the system is launched first (a different delay can be set or it can be disabled for individual detectors – see Settings).
- If there is any unauthorized manipulation of any part of the system in the set state, a tamper alarm is triggered.
- If the user has enabled SMS reporting when the system is set, no report is sent to them if they set the system themselves by own remote control or RFID tag. An RFID tag marked by a colour label on it is for the user whose phone number was enrolled as the first one. No setting is reported when it is cancelled during the exit delay. This reduces unnecessary SMS messages if you forget something when exiting the place and you have to return for it.



## Unsetting Azor



- Press the UNSET button on the RFID tag reader (A) and scan the RFID tag (B)
- The green LED indicator lights up and the reader confirms its unsetting (2 beeps).

### **Tips and specifications**

- The system can also be unset via the telephone voice menu.
- If you activate a detector prior to unsetting (e.g. when you open the door) a warning tone is sounded and then AZOR waits silently for unsetting for 30 seconds. If the system is not unset in time, an alarm is triggered.
- If you press the RFID tag reader button in the unset state, a green LED indicator lights up.
- If three beeps are sounded during unsetting, there has been an alarm when you were not present.
- In the event of unauthorized manipulation of some of the parts of the system in an unset state a warning beep is sounded and an SMS tamper report is sent. The SMS report is sent only on the first occasion of tampering with the device.
- If the users have enabled SMS reporting when the system is being set, no report will be sent to them if they set the system themselves by their own remote control or RFID tag. The RFID tag corresponding to the user (its phone number) must be used.

## Alarm

When an alarm is triggered, the system informs the ARC immediately\*. It concurrently activates a siren, sends alarm SMS messages to users and subsequently calls the users.

**An alarm can be cancelled** by pressing the UNSET button on the reader and scanning a RFID tag, or by using a telephone and the voice menu.

### **Tips and specifications**

- If you receive an alarm call, Azor will not call the other users. If no one receives the alarm call, Azor tries to call all the users once more.
- If you do not cancel the alarm, the siren sounds for 3 minutes and then switches off. Azor keeps guarding.
- If an identical detector triggers an alarm three times in a row (e.g. when you forget to close a window and the wind moves a curtain in front of the detector), such a detector is bypassed and other detectors keep guarding. A bypassed detector will be included again by unsetting.
- A tamper alarm (unauthorized handling of a detector or GSM control unit) is sent just once.
- Besides alarm information, Azor also sends SMS reports when it is switched off or if there is a failure (e.g. power supply failure exceeding half an hour, low battery in a detector, communication loss to a detector or RFID tag reader, etc.).

\* If guarding by an ARC is arranged



## Listening in

You can trigger listening-in via the voice menu (the user must have permission). You can listen to what is happening in the guarded premises for up to 3 minutes.

### ***Tips and specifications***

- Do not test listening-in from the same room as the GSM control unit is installed. There is a risk of strong audio feedback between the telephone receiver and Azor's microphone (listening-in is very sensitive).
- You can only listen; it is not possible to speak to the premises.
- If an alarm is triggered during the listening-in, the listening-in is interrupted automatically.
- If the listening in is started during the alarm, the siren is blocked and reports are sent immediately after the end of the call.

## Informative SMS

You can request sending an informative SMS in the voice menu. This message contains:

- Azor's current status
- Last event saved in the memory (e.g. who set the system, what kind of alarm was triggered, etc.)
- Power supply status
- GSM control unit backup battery status
- GSM signal strength in percent
- System operation time since the last time it was switched on
- Registration code (serial number) of Azor

### ***Tips and specifications***

- If the GSM network provides an exact time function, the informative SMS comprises of time as well. Azor's internal clock can also be set from a connected PC – see the Settings.






## Settings

Azor's properties can be set using a computer with MS Windows XP or higher.

### Computer connection

You can use a USB cable to connect a turned on Azor unit to the computer. If the computer fails to open the setting program automatically within a certain time after the connection has been established, search for a USB disk named AZOR-USB and launch the A-Link file (click the icon ) located on the disk. The A-Link setting program is equipped with comprehensive help for each feature.

The program options are divided into individual tabs where you can fill in individual settings parameters, user names and telephone numbers, enrolling detectors using a code, set GSM control unit properties, etc.

Press the **Save** button to save the changes, displayed blue in the tab, into the Azor alarm.

When you press the **Cancel** button, the changes in the tab are not saved and previous values are used.

#### *Tips and specifications*

- The first time Azor is connected, the computer needs extra time (up to several minutes) to set up USB communication. Once the connection has been established, you will find a USB disc named AZOR-USB in the computer. Further connections will be significantly faster.
- If Azor is connected to an ARC, access to the setup page can be blocked. In such a case ask the ARC operators to help you change the settings.
- If you protect the settings with a code in the Settings window, Azor will require the code every time a computer is connected to it.

### Firmware update

You can transfer new version of Azor's firmware (FW) into Azor using a computer. The file containing the firmware can be downloaded from the manufacturer's website. Open the file using the options Control panel and Firmware upgrade in the A-Link menu. Wait until the end of the installation procedure. All GSM control unit LED indicators should flash red for a while during FW installation. When restarted after FW installation has finished, (switch it off and on) Azor should behave according to the new firmware.

#### *Tips and specifications*

- Before you start installing a new firmware version read its description thoroughly and make sure your product version is compatible with the new FW. It is recommended to make a backup of the settings using the Export option.
- Both the backup battery and the power adaptor must be connected to the GSM control unit when the FW is being installed. There is a risk of irreversible damage if there is a power supply failure while the FW update is in progress.
- When you have installed the new FW, check its settings on your computer (the A-Link settings program can look different with different program versions). You should also test all system functions properly.



# System extension

Individually bought devices should be enrolled to Azor using a registration code. The code consists of ten digits and it is in the following format: 123-4567-890. Enrollment (or removal) of a device is done with a computer by filling the registration code in (or erasing it from) the respective position of the device at the Detectors page. If the registration code is illegible (e.g. damaged label) it can be enrolled by A-Link instead. Choose a position to which you want to enroll the device and click on the Enroll button. Insert the battery into the device. The registration code will be displayed in the field as a confirmation of successful enrollment.

### AZ-10T RFID tag

There is a sticker with a registration code on a new RFID tag. If the RFID tag code is no longer legible, please use the RFID tag reader and A-Link software to enroll it. Choose the Tag number field in the Users window and click on the Enroll button. The code will be enrolled after pressing SET on the AT-10D RFID tag reader and scanning the RFID tag. As a confirmation of successful enrollment, the registration code will be displayed in the field.

Note: Azor uses special security RFID tags. No other RFID tags can be enrolled.

### AZ-10M door-opening detector

Besides detecting door and window opening, the detector can also report e.g. the movement of objects etc. You can also connect an external sensor to it.

#### Terminals:

- INPUT** serves for connecting external alarm sensors. When the GROUND terminal is disconnected an alarm signal is sent (identical to that of reporting door opening).
- TAMPER** serves for connecting external tamper sensors. When the GROUND terminal is disconnected a tamper signal is sent (identical to that of reporting detector opening).
- GROUND** common terminal. If the INPUT or TAMPER terminal is not used, it must be permanently connected to this terminal.

#### Internal switches:

- 1 **DEL** the detector provides an entrance delay\*  
**INST** the detector does not provide an entrance delay\*
  - 2 **MG EN** the built-in magnetic sensor is enabled  
**MG DIS** the built-in magnetic sensor is disabled (only INPUT terminal activation is reported)
- \*) applies only if a "default" reaction is set for the detector

#### Low battery indication

When the detector batteries are low, Azor sends an informative message. Besides that the detector LED flashes when you open the door (outside test mode).



## AZ-10P motion detector

### Internal switches:

- 1 **HIGHER ANALYSIS** the detector has increased resistance to false alarms and a slower reaction  
**STANDARD ANALYSIS** the detector has standard resistance to false alarms and a standard reaction speed
- 2 **INSTANT REACTION** the detector does not provide an entrance delay\*  
**DELAY REACTION** the detector provides an entrance delay\*

\*) applies only if a "default" reaction is set for the detector – see the A-Link settings

### Frequent movement detection restriction

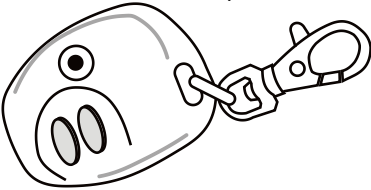
When in normal operation the detector saves energy by switching the sensor off for 1 minute each time it detects motion. This ensures that it does not transmit too frequently if there is frequent movement in the premises.

### Low battery indication

When the detector batteries are low, Azor sends an informative message. Besides that, the detector LED flashes when movement is detected (outside test mode).

## AZ-10R remote control

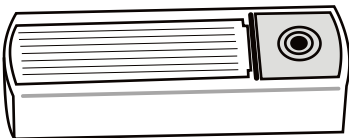
The remote control can be used for setting and unsetting. It can also send a panic alarm – by pressing both buttons at the same time. The panic alarm function is optional – see the Settings. The remote control battery should last approx. 2 years. The enrollment code is sent when both buttons are pressed for more than 3 seconds.



The remote control cannot be used close to the control unit!

## AZ-10B doorbell button

One doorbell button can be enrolled in Azor. You can choose a melody (see the Settings). The doorbell button battery should last approx. 1 year.



The button should be protected from rain (it is supplied with a plastic roof).

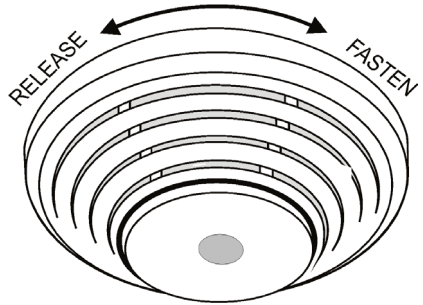
The button cannot be used close to the GSM control unit.



### JA-63ST (10S) wireless combined smoke and heat detector

The detector reports fire hazards and is triggered by the presence of smoke or an abnormal increase of temperature. Apart from sending reports to the system it also triggers acoustic and optical indication.

- Open the detector cover
- Attach the plastic base to the selected place using screws
- Enroll the detector to the system using the A-Link software (see the *System extension* chapter)
- Remove the isolation tape from the contacts of one of the batteries
- Attach the detector onto the base



#### **Detector testing and maintenance**

**The detector should be tested at least once per month.** To test the detector press the whole body of the detector against the base and wait until an LED indicator switches on. The LED flashing signals switch over to the test mode. The LED flashes for the whole duration of the test. When the test is complete, the LED switches off. The detector then signals the result. If the detector beeps once, the test has been successful. If a failure is discovered, the LED flashes and beeps three times. If the battery is low, there is just one flash and no acoustic indication when the test is completed.

The complete functioning of the optical part of the detector can be tested with a test spray (e.g. SD- TESTER). The heat sensor can be tested with heated air (e.g. with a hair dryer).

**Warning: Never test the detector by starting a fire inside the premises**

#### **Tips and specifications**

- The detector cannot be fixed in the base until all three batteries are inserted
- The smoke detector must be installed so that smoke easily drifts into the detector owing to natural thermal circulation (avoid niches, corners, apexes of A-shaped roofs, etc.)
- If the ceiling is divided by obstacles which obstruct the flow of air then each section must have its own detector
- It should not be installed close to ventilators, heat sources, air conditioning outlets and dusty places
- It's not recommended to install it near stoves, cookers and places with an occurrence of steam
- A suitable place for installation is a ceiling above a staircase
- In the case of an alarm, the siren can be silenced by pressing the detector's body against its base. Silence lasts for 10 minutes, if the detector still detects smoke or heat after this time has expired, the indication will be renewed.
- The siren may be completely disabled by inserting a jumper (included) on the pair of pins called SIR
- If people in the premises smoke on a regular basis, Azor can be configured to react to a fire hazard only when the system is set – see Settings. In this case, also disconnect the siren in the detector. Don't forget to air out the room before setting the system
- Configuration terminals MEM, TEMP, SMOKE and INST must stay disconnected

#### **Low battery indication**

If the batteries are low, Azor will send a message with this information. The smoke detector will also flash approximately every 30 seconds.



# Other information

## Time synchronization with a GSM network

Azor is equipped with the function of the automatic adjustment of the internal clock via a GSM network. The time is written in the event memory and in an informative SMS.

Warning: Some GSM networks do not provide an exact time signal. In such case Azor's internal clock must be set manually from a PC via A-link. If the clock is not set, no time will be stated in the informative SMS.

## Emergency unlocking of settings

If you lock Azor's settings and forget your Service PIN, proceed as follows:

1. Unset Azor
2. Disconnect the power adaptor from the GSM control unit.
3. Open the backup battery cover and disconnect the battery.
4. Press and hold the GSM control unit button.
5. Connect the power adaptor (keep the button pressed).
6. As soon as all LED indicators start flashing yellow, you can release the button.
7. Connect the backup battery again and put its cover back.
8. Your original code is deleted and you will be allowed to access the Settings without having to enter the Service PIN code.
9. When you have finished the settings, you can define a new code.

## SMS message forwarding

Azor automatically forwards all received SMSes to the first phone number. An SMS message is also sent to this number when the limit of sent SMS messages has been exceeded.



## Technical specifications

### AZ-10K GSM control unit

<i>GSM control unit power supply</i>	= 5 V 2.5 A max.
<i>Backup battery</i>	LI18650 = 3.7 V / 1.8 Ah (usual battery lifetime is approx. 5 years) The backup time of the control unit is 12 hours up to 10 (each may have one RFID tag and one remote control)
<i>Number of users</i>	up to 10
<i>Number of detectors</i>	up to 10
<i>Number of RFID tag readers</i>	1
<i>Number of doorbell buttons</i>	1
<i>Dimensions</i>	165 x 120 x 40 mm

### AZ-10D RFID tag reader

<i>Power supply</i>	2x AAA 1.5V / 1200 mAh alkaline batteries (battery lifetime is approx. 1 year)
<i>Dimensions</i>	80 x 80 x 30 mm

### AZ-10P motion detector

<i>Power supply</i>	2x AAA 1.5 V / 1200 mAh alkaline batteries (battery lifetime is approx. 1 year)
<i>Coverage</i>	detection angle 120°, covers an area of 10 x 10 m
<i>Dimensions</i>	65 x 95 x 60 mm

### AZ-10M door-opening detector

<i>Power supply</i>	2x AAA 1.5 V / 1200 mAh alkaline batteries
<i>(lifetime is approx. 1 year)</i>	
<i>Reacts to</i>	the magnet being withdrawn by 20 mm
<i>Dimensions</i>	32 x 145 x 25 mm + 15 x 55 x 55 mm

### AZ-10R remote control

<i>Power supply</i>	L1016 6 V alkaline battery (battery lifetime is approx. 2 years)
<i>Dimensions</i>	55 x 40 x 15 mm

### AZ-10B wireless doorbell button

<i>Power supply</i>	L1016 6 V / 35 mAh alkaline battery (lifetime is approx. 1 year)
<i>Dimensions</i>	80 x 28 x 16 mm

### JA-63ST (10S) wireless combined smoke and heat detector

<i>Power supply</i>	3 x Alkaline batteries type LR6 (AA) 1.5 V (battery lifetime is approx. 2 years)
<i>Reacts to</i>	premises filled with smoke, alternatively temperature over 60-65°C
<i>Dimensions</i>	diameter 126 mm x 50 mm

### Power adaptor

<i>Power supply voltage</i>	~110 - 230 V / 50 Hz, 0.2 A, protection class II;
<i>Output voltage</i>	= 5 V , 3 A



### Specifications common to all parts

Frequency	433.92 MHz
GSM	900/1800 MHz
RFID	125 kHz
Environment according to EN 50131-1	indoor general
Operating temperature range	+ 5 to +40 °C
Classification	Grade 1 according to EN 50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3, EN 50131-2-2, EN 50131-2-6, EN 50134-2
Also complies with	ETSI EN 300 220, ETSI EN 300 330, EN 50130-4, EN 55022, ETSI EN 301 489-7, EN 60950-1
Can be operated according to	ERC REC 70 03



JABLOTRON ALARMS a.s. hereby declares that the AZ-10K is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com) - Section Downloads.

Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use. More detailed information can be found at [www.jablotron.com](http://www.jablotron.com)

**JABLOTRON**  
CREATING ALARMS

JABLOTRON ALARMS a.s.  
Pod Skalkou 4567/33  
46601 Jablonec nad Nisou  
Czech Republic  
Tel.: +420 483 559 911  
Fax: +420 483 559 993  
Internet: [www.jablotron.cz](http://www.jablotron.cz)  
MLO51206



## **Troubleshooting**

### **Battery replacement**

If the batteries in any detector are low, Azor sends an SMS message and it is optically signalled by the detector. Azor must be unset during battery replacement. When you open the detector (or reader) cover, Azor emits a warning beep and sends an informative SMS with a tamper warning. The siren is not activated though.

The SMS report is sent only when the cover is open for the first time. If you open the same detector cover repeatedly, only an informative beep is sounded. When you have finished replacing the batteries, test the detector – see the Communication test chapter.

If your system is guarded by an ARC, do not replace the batteries without consulting the ARC operator first.



