

**Satel**<sup>®</sup>  
MADE TO PROTECT

**abox2**



**Wireless security  
and comfort**

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# abax2

The purpose of the **ABAX2** wireless system is to protect the premises – both the building and the area around it. This system can also be successfully used to implement building automation. Therefore, it provides a unique combination of security and comfort.

**ABAX 2** is ideally suited as a wireless solution for alarm systems based on the **INTEGRA**, **INTEGRA Plus** and **VERSA** control panels. When used with these devices it gets its full functionality and offers its best possibilities to the users. Moreover, **ABAX 2** can work together with **any alarm control panel or automation controller**, and, in certain cases, it can also operate in **stand-alone mode**.

Due to the use of **encrypted, two-way radio communication**, the **ABAX 2** system offers the level of protection that until recently has been available only in the traditional wired systems.

Advanced energy saving features enable long operation of battery-powered devices – **up to 8 years without battery replacement**, depending on configuration.



A wide range of **ABAX 2** system devices includes indoor and outdoor motion detectors and sirens, as well as glass-break, smoke, flood and temperature detectors, drivers for implementation of smart home functions, and remote control keyfobs. Wireless keypads are also available for control of alarm systems based on the **INTEGRA**, **INTEGRA Plus** and **VERSA** control panels.



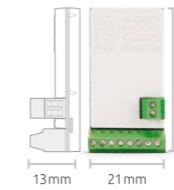
### ACU-220/ACU-280

Wireless system controller  
ABAX 2



### ACX-210

Miniature wireless expansion module for wired zones and outputs



### ACX-220

Wireless expansion module for wired zones and outputs



### ARU-200

COMING SOON

Radio signals retransmitter ABAX 2



### ARF-200

Radio signal strength level tester



### APD-200/APD-200 Pet

Wireless PIR detector

### APMD-250

Wireless dual technology motion detector



### AOD-210

Wireless dual technology outdoor motion detector



### AOCD-260

Wireless dual technology outdoor curtain motion detector



### AXD-200

Wireless multipurpose detector



### AGD-200

Wireless glass-break detector



### ASD-250

Wireless smoke detector



### ASD-200

Wireless smoke and heat detector



### ASP-200

Wireless outdoor acoustic-optical siren

### ASP-215

Wireless indoor acoustic and optical siren



### ADD-200

COMING SOON

Wireless outdoor dusk and temperature detector



### APB-200

COMING SOON

Wireless panic button



### ASW-200

Wireless controller 230 V AC



COMING SOON

### ASW-210

Wireless two-channel in-wall 230 V AC controller



### APT-200

Bidirectional remote control keyfob



### VERSA-KWRL2

Wireless LCD keypad for VERSA alarm control panel

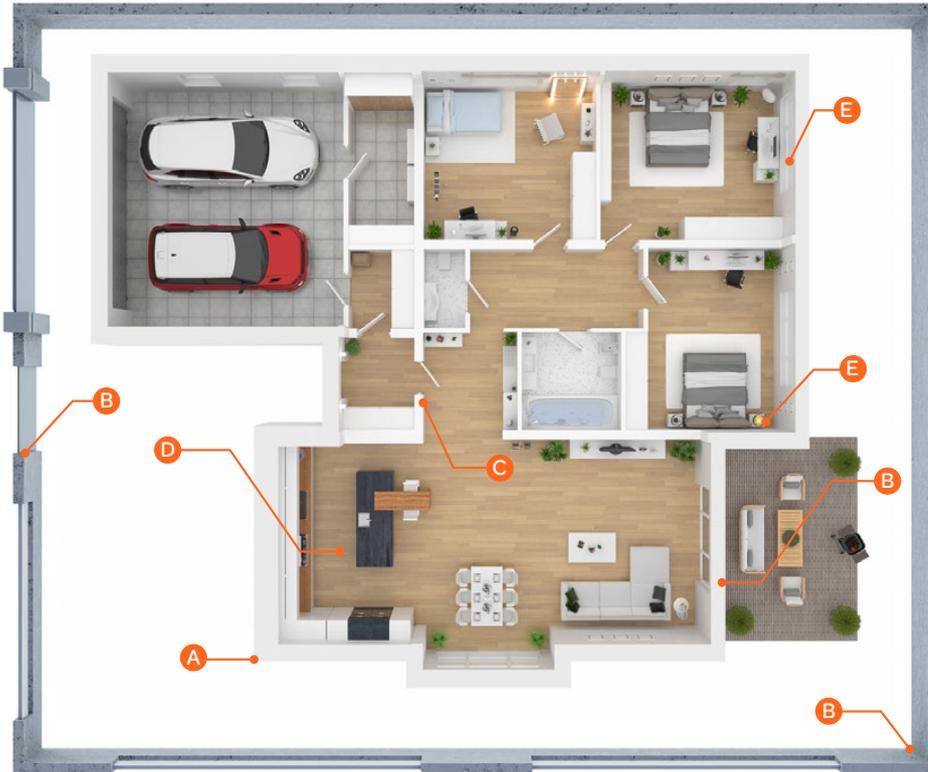


### INT-KWRL2

Wireless LCD keypad for INTEGRA, INTEGRA Plus alarm control panel



# Full and reliable protection



## A OUTDOOR PROTECTION

Your premises will be protected by an outdoor dual technology motion detector **AOD-210**. High immunity to false alarms and adverse weather conditions increase the effectiveness of the device. Additionally, the built-in dusk sensor allows you to control the lighting around the house, e.g. to adjust it to the degree of cloudiness and time of day.

## B PERIMETER PROTECTION

To enhance the perimeter protection, you will find in our product range the curtain detector **AOCD-260**, which can be used to protect not only the area along the fence, but also the window line and entrances. Mount the glass-break detector **AGD-200** on the windows. In addition, use the universal **AXD-200** device, that can serve as a magnetic, vibration or reorientation detector.

## C INDOOR PROTECTION

The indoor protection against burglary is based on the PIR detector **APD-200**, which detects heat emitting objects. However, there are places (e.g. living room with a fireplace, boiler room, vestibule, garage), where the dual-tech detector **APMD-250** will perform even better. It uses two detection technologies, hence it reacts not only to heat, but also to the movement of the object. **APD-200 Pet** has the pet immunity function, so that your dog can move freely around the partitions in which the system is armed.

## D ADDITIONAL PROTECTION

The **ASD-200** smoke and heat detector and the **ASD-250** smoke detector (certified for compliance with EN 14604 standard for autonomous detectors) will react already to the first signs of fire. To detect flooding, you can use the **AXD-200** universal detector.

## E HOME AUTOMATION

To implement the building automation functions, you can use the **ASW-200 (E/F)** and **ASW-210** wireless controllers, as well as the **ACX-210** or **ACX-220** expanders of wired zones and outputs. They allow you to control various devices, including those supplied from the 230 V AC mains (e.g. bedside lamp or roller shutter).

Also the **AXD-200** universal detector finds its use in home automation. It can be used to check the indoor air temperature and transmit this information to the control panel, which will control heating or air conditioning, so as to provide comfortable conditions for you.



## FACTS ABOUT WIRELESS SYSTEMS

1

Modern wireless solutions are as effective and reliable as traditional wired systems, but they are much easier to install.

2

Installation or expansion of the system is easy, fast and non-invasive. You do not have to lay out or mask any electrical wires, so you will avoid additional renovation work and take care of your home budget.

3

Advanced wireless solutions have special protection devices that effectively detect malfunctioning of the system as well as interference in communication between its components.

4

In the up-to-date wireless devices provided with the functions of effective energy management, the battery life can reach even several years. The system will inform you in advance when they must be replaced.

5

The latest technologies allow extremely flexible adjustment of the wireless security solutions to your needs, as well as convenient control of the home automation devices. Consequently, you feel safe and simultaneously take care of the environment by saving energy. Cutting down expenses is an additional benefit.

# Your secure space

## New premises

You want to give more space to your passions and to do so you have renovated and furnished an unused loft? You extended your house by adding a garage? Or maybe you have built a greenhouse to grow exotic plants? You are facing one more important task: you must secure your new premises by installing a new or extending the present alarm system. Installation of new devices (to be used as part of ABAX 2) will be extremely fast and easy. You will thus also avoid any unpleasant tasks connected with the possible renovation.



## Last minute alarm

The annual leave is fast approaching, and you would like to additionally secure your home? Or maybe you have no alarm system yet? You have no time to deal with it: you are busy working and preparing for vacation that is just around the corner. It is still not too late – you will be able to relax peacefully! If you decide on the ABAX 2 wireless solutions, your installer will install, configure and run them in a very short time.

## Always secure

Are you planning or making changes to the arrangement of your home or garden? Remember that any disturbance of the existing architectural layout may affect the so far reliable operation of your security alarm system. Therefore, it is advisable to ask the installer during each major renovation, rearrangement or redesign of the garden vegetation to check that your alarm system has not become vulnerable. This will allow you, if necessary, to quickly add some extra wireless devices to your system that will strengthen protection at key points.



## Higher security level, lower bills

### Lighting

When leaving your home hurriedly, do you sometimes forget to turn off the light in the room or bathroom? You can prevent this. The indoor motion detectors **APD-200**, **APMD-250** are also perfect for lighting control. When, at certain times of the day, they detect your presence in the given room, this information will be sent to the control panel, which will switch on the light. As soon as you go outside the detector range, the light will be turned off after a preset time. The external **AOD-210** motion detector will help control the lighting around the house – selected lamps will only start when the device detects motion after dark.



### Electrical equipment

The ability to automatically control devices connected to power outlets is helpful for efficient electric energy use. If you are able to switch off locally or remotely devices that are unnecessary at any given time, you will reduce the electricity consumption to the necessary minimum. Moreover, this function can prevent accidents from happening in some situations (e.g. when an electric iron is left switched on).

### Heating

The **AXD-200** universal detector can make your heating system operate more efficiently. If you use the device as a temperature detector, it will send information to the control panel that it is too cold in the room, which will start heating. When the temperature reaches the required value, the control panel will automatically turn off the heating system, or switch it to the *eco* mode when all households are not in the house. **AXD-200** can also be used as a magnetic detector to be mounted on windows. When you open a window, the alarm panel will turn the heating off. In this way you will avoid situations in which heat "escapes" from your rooms.



# System ABAX 2 is perfect, if...

## ...you are too busy or reluctant to renovate

ABAX 2 is a fast, clean and non-invasive way to provide security.

## ...you change the interior design frequently

You can change the mounting location of wireless devices at any time, without affecting the efficiency of their operation.

## ...you value quality and pay attention to every detail

Devices working as part of the ABAX 2 system meet the requirements of security standards (EN 50131 Grade 2). Additionally, all SATEL brand products undergo a multi-stage quality control. We also make sure that the manufacturing process of our devices is carried out with high standards of environmental protection.



## ... you still don't know what you will need in the future

With the ABAX 2 system you do not have to declare all the functions at once. You can expand your system by adding further devices – whenever you like.

## ... you expect solid and reliable solutions

Thanks to the built-in energy management function, the battery-powered devices can work up to 8 years\* without battery replacement.

\* Work without battery replacement for up to 8 years - in ECO mode, depending on the product and its working conditions.

The manufacturer reserves the right to change the specification and technical data of devices. Images shown are for general information only and may differ from actual products.

Are you interested in the solutions presented in this leaflet?  
For more information, please visit

[www.satel.eu](http://www.satel.eu)