

Satel[®]
MADE TO PROTECT

abox2



**Wireless security
and comfort**

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abax2

The purpose of the **ABAX 2** 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.



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ABAX 2 | WIRELESS SECURITY AND COMFORT

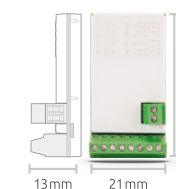
ACU-220/ACU-280

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

Wireless outdoor dusk
and temperature detector



APB-200

COMING SOON

Wireless panic button



ASW-200 (E/F)

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 secured by the **AOD-210** outdoor dual motion detectors and **AOCD-260** outdoor curtain detectors. The devices designed for outdoor use are characterized by resistance to adverse weather conditions and ensure high effectiveness of intrusion detection, while also minimizing the risk of unwanted alarms.

B PERIMETER PROTECTION

The **AOCD-260** outdoor curtain detectors can work along the property border, fence, windows and building entrances. On the inside of the windows and doors, you can also install the universal **AXD-200** detector, working as a magnetic contact or shock detector. Windows, glass walls or doors can also be monitored by the **AGD-200** glass break detectors.

C INDOOR PROTECTION

The **APD-200** PIR detectors can be used to protect the premises. However, in some places (living room with fireplace, boiler room, vestibule, garage, etc.), where rapid temperature changes or air movement can occur, the **APMD-250** dual detectors, equipped with infrared and microwave sensors, will do better. Both devices come with the Pet function, so your dog will be able to move freely around the spaces where the alarm system is armed.

Doors inside the building can also be supervised by the **AOCD-260** curtain detectors and **AXD-200** detectors used as magnetic contacts.

Valuable items can be additionally secured using the **AXD-200** detectors working in the reorientation detection mode. If, for example, a picture is taken off the wall – the control panel will be informed about it.

E HOME AUTOMATION

To implement the building automation functions, you can use the **ASW-200** and **ASW-210** wireless controllers, as well as the **ACX-210** or **ACX-220** wired zone and output expanders. They make it possible to control various devices, e.g. selected lighting points, roller shutters/blinds or sprinklers.

The **ADD-200** and **AOD-210** detectors can also be used in building automation. Given that they have built-in dusk sensors, they can be used e.g. to control the operation of lighting.

The **ADD-200** temperature detector and the **AXD-200** detector, if used in the appropriate mode, can provide the alarm control panel with information that the set temperature thresholds are exceeded. The control panel can respond in a preprogrammed manner, adjusting the temperature in the rooms to the expectations of the household members. When the ABAX 2 system is working together with the INTEGRA Plus control panel, the temperature information sent by other devices of the wireless system (most of them have a built-in temperature sensor) can also be used to control the heating / air conditioning.



D ADDITIONAL PROTECTION

The **ASD-200** smoke and heat detector and the **ASD-250** smoke detector (certified according to the EN 14604 standard for autonomous detectors) will react to the early signs of a fire. To detect a water leak, you can use the **AXD-200** universal detector working in the flood detector mode (with the **FPX-1** probe connected).



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

Does it happen sometimes that you leave the light in your room or bathroom on when going out? As a result, the lamps left on use energy unnecessarily. But you can help it. When the alarm system is armed, the **ASW-210** wireless controllers installed in boxes under the lighting switches can automatically cut off the power to the light fixtures. The **ADD-200** and **AOD-210** wireless detectors equipped with dusk sensors can take part in controlling the outdoor lighting, so that it will work only when it is dark outside. The detectors will inform the control panel that the dusk has fallen, so that the lamps can be turned on. On the other hand, the arrival of dawn will be a signal to turn the lighting off. The indicated lights can also be turned on / off remotely, for example, from the mobile application, the same that you use to control your alarm system.

Heating

The **ADD-200** and **AXD-200** detectors (operating as a temperature detector) can report that the set temperature thresholds have been exceeded, which improves performance of heating and air conditioning. When they send information to the control panel, e.g. that it has become colder in a given room, the heating can be turned on. When the temperature reaches the required value, the control panel will automatically switch off the heating system. On the other hand, when the ABAX 2 system is working together with the INTEGRA Plus control panel, the temperature information sent by other devices of the wireless system (most of them have a built-in temperature sensor) can be used to control the heating / air conditioning as well.

AXD-200 can also work as a magnetic contact designed to be mounted on windows. When the window is opened, the control panel can turn off the heating in the room in order to avoid wasting energy when the room is being aired.



Electrical devices

Controlling devices connected to the power sockets (via the **ASW-200** controllers) helps improve and increase energy efficiency in your home.

The devices whose work is not needed at the moment, can be turned off automatically (e.g. when arming the alarm system) or remotely, which will reduce power consumption to the necessary minimum. Additionally, in some situations (e.g. when you have left an electric iron turned on), using this function may prevent a serious accident.



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