



abax2



 **Two-way
wireless system**

abax2

New version of SATEL two-way wireless system

In addition to being compatible with **INTEGRA**, **INTEGRA Plus** and **VERSA** systems, it can be used in conjunction with any control panel or in stand-alone mode.

The new radio system ensures much more efficient data transmission, even in the most adverse conditions, in the presence of other wireless systems or strong interfering signals.

The data sent are encrypted using the AES standard. In addition, **ABAX 2** provides comprehensive diagnostics e.g. of radio signal strength.

A great advantage of **ABAX 2** is the possibility of remotely updating firmware in wireless devices. The process is running in the background and does not disturb the current system operation.



4 CHANNELS

868 MHz



Advanced energy saving features enable long operation of battery-powered devices – up to 8 years without battery replacement – in ECO mode*.

8 YEARS

- **4-channel operation** in 868 MHz frequency band
- can work in a **stand-alone mode** or with **any alarm control panel**
- range: **up to 2 km** in open area
- **certified compliance with Grade 2 EN 50131 requirements**
- **data encryption** using the **AES** standard
- advanced diagnostics
- low energy consumption – **up to 8 years** without battery replacement (in ECO mode)*
- **remote firmware update** and **configuration** of wireless devices
- **antennas designed individually** for each device

* depending on the product and its working conditions



ACU-220/ACU-280

Wireless system controller ABAX 2

- can work as a stand-alone device or with any alarm control panel (**ACU-220**)
- compatible with **INTEGRA**, **INTEGRA Plus** and **VERSA** control panels
- support for ABAX 2 devices and wireless keypads
- controller with two antennas – antenna diversity – automatic selection of antenna with the best signal reception quality (**ACU-220**)
- compact controller (**ACU-280**)

APD-200 • /APD-200 Pet •

Wireless PIR motion detector



- advanced lens with unique beam distribution
- new-generation digital detection algorithm
- dynamic compensation of protected room temperature
- look-down zone protection (**APD-200**)
- pet immunity option (**APD-200 Pet**)

APMD-250 •

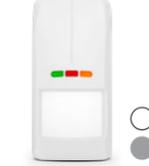
Wireless dual technology motion detector



- 2 detection paths: PIR and MW
- advanced lens with unique beam distribution
- new-generation digital detection algorithm
- dynamic compensation of protected room temperature
- high false alarm immunity
- pet immunity option

AOD-210 •

Wireless dual technology outdoor motion detector



- 2 detection paths: PIR and MW
- new-generation digital detection algorithm
- dynamic temperature compensation for correct detector operation in -40°C to +55°C range
- high false alarm immunity
- look-down zone protection
- built-in dusk sensor
- pet immunity option
- polycarbonate enclosure, IP54 rated, resistant to adverse weather conditions (rain, snow, fog, strong wind)

AOCD-260 •

Wireless dual technology outdoor curtain motion detector



- 2 detection paths: PIR and MW
- new-generation digital detection algorithm
- dynamic temperature compensation for correct detector operation in -40°C to +55°C range
- high false alarm immunity
- polycarbonate enclosure, IP54 rated, resistant to adverse weather conditions (rain, snow, fog, strong wind)

AXD-200 •

Wireless multipurpose detector



- can be used as:
 - » magnetic contact
 - » two-channel magnetic contact
 - » magnetic contact with input for roller shutter detector
 - » shock detector and magnetic contact
 - » reorientation detector
 - » temperature detector
 - » flood detector

ASD-200 •

Wireless smoke and heat detector



- acoustic and optical alarm signaling
- photoelectric sensor of visible smoke
- integrated thermal sensor
- Swirl chamber with unique shape for quicker smoke detection
- fine Hexamesh stainless steel filter
- chamber soiling indication

AGD-200 •

Wireless glass-break detector



- detection of normal, tempered and laminated glass breaking
- advanced dual path signal analysis

ASD-250 •

Wireless smoke detector



- certified stand-alone operation according to EN 14604
- optical (LED) and acoustic (high sound intensity piezoelectric transducer) signaling
- photoelectric sensor of visible smoke
- Swirl chamber with unique shape for quicker smoke detection
- fine Hexamesh stainless steel filter
- chamber soiling indication

2 operating modes

1. stand-alone
2. as part of ABAX 2 system (optional alarm signaling from other ASD-250 detectors)

• compatible with ABAX system

ASP-200

Wireless outdoor acoustic-optical siren



- optical and acoustic signaling, independently triggered
- optical signaling: LEDs
- acoustic signaling: piezoelectric transducer
- four acoustic signals to choose from
- weatherproofed electronic circuit
- operating temperature range from -40°C to +55°C

ASP-215

Wireless indoor acoustic-optical siren



- 2 signaling modes defined by the installer
- optical signaling: LEDs
- acoustic signaling: piezoelectric transducer
- three acoustic signals to choose from

ASW-200 (E/F) COMING SOON

Wireless controller 230 V AC



- remote control of devices powered from 230 V AC mains sockets
- manual control option
- multicolor operating status indicator
- compact enclosure with power plug and socket integrated socket type E (EURO) / type F (SCHUKO)

ASW-210

Wireless two-channel in-wall 230 V AC controller



- remote power-on/power-off of 230 V AC mains powered appliances
- two control inputs
- in-wall box installation



ADD-200

Wireless outdoor dusk and temperature detector

- hermetic, resistant to adverse weather conditions polycarbonate enclosure, IP65 rated

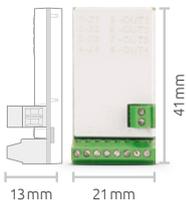


APB-200

Wireless panic button

COMING SOON

- configurable button function, e.g. to call for help in an emergency situation
- enclosure construction resistant to accidental button pressing



ACX-210

Miniature wireless expansion module for wired zones and outputs

- adding wired devices to the **ABAX 2** system
- 4 zones: support for up to 4 detectors
- 4 controllable OC type outputs
- compact size



ACX-220

Wireless expansion module for wired zones and outputs

- adding wired devices to the **ABAX 2** system
- 4 zones: support for up to 4 detectors
- 4 controllable relay outputs
- compatible with **APS-412, APS-612, APS-1412** power supplies

APT-200

Bidirectional remote control keyfob



- customizable button functions (up to 6 functions)
- visual and audible command acknowledgement by the controller
- backlit buttons

• compatible with ABAX system

ARU-200

Radio signals retransmitter ABAX 2

COMING SOON



- receiving transmissions from ABAX 2 system wireless devices and retransmitting them
- retransmission of radio signals from up to 46 devices
- built-in backup battery



ARF-200

Radio signal strength level tester

- testing the strength of radio signal received and transmitted by ABAX 2 system devices
- testing the level of radio noise in 4 of ABAX 2 system channels
- LED indicator of signal strength
- built-in lithium polymer battery