

abax2



 **Two-way
wireless system**

abax2

Discover the two-way wireless SATEL system

In addition to being compatible with **INTEGRA**, **INTEGRA Plus**, **VERSA** and **PERFECTA 64 M** systems, it can be used in conjunction with any control panel or in stand-alone mode.

The advanced radio system ensures reliable 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.



868 MHz* **4** CHANNELS



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 (or 915 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 country, a different frequency band may be used.
Note - in the EU, this radio equipment is only permitted to operate in the 868 MHz frequency band.
 ** 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**, **VERSA** and **PERFECTA 64 M** 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**)
- integration, for example, with automation or data acquisition systems using the Modbus RTU communication protocol – connection via the RS-485 bus

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
- built-in temperature sensor
- look-down zone protection (**APD-200**)
- pet immunity option (**APD-200 Pet**)

APMD-250

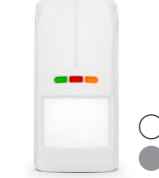
Wireless dual technology motion detector



- 2 detection paths: PIR and MW
- advanced lens with unique beam distribution
- new-generation digital detection algorithm
- dynamic compensation of protected room temperature
- built-in temperature sensor
- high false alarm immunity
- option to enable/disable the creep zone control

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
- built-in temperature sensor
- 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
- built-in temperature sensor
- 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 (built-in temperature sensor)
 - » flood detector

ACD-220

Wireless curtain detector



- passive infrared sensor (PIR)
- adjustable detection sensitivity
- digital algorithm of motion detection
- digital temperature compensation
- lens designed specifically for SATEL short range curtain detectors
- built-in temperature sensor

AGD-200

Wireless glass-break detector



- detection of normal, tempered and laminated glass breaking
- advanced dual path signal analysis
- built-in temperature sensor

OPX-1
Hermetic enclosure

OPXM-1
Magnet in hermetic enclosure

- enable the **AXD-200** detector to operate outdoor (IP65)



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
- built-in temperature sensor



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)



ACMD-200

Wireless carbon monoxide detector

- electrochemical carbon monoxide detector
- digital temperature compensation
- test function
- LED for optical signalling
- piezoelectric transducer for acoustic signalling
- monitoring of the gas sensor
- built-in temperature sensor

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
- built-in temperature sensor

ASW-200 (E/F)

Smart plug with: Type E socket (EURO) / Type F socket (SCHUKO)



- control of electrical devices of up to 2300 W
- LED indicator informing the user about the current consumption of the connected appliance/appliance status (depending on the settings)
- allows manual and remote control of connected devices

ART-200

Wireless radiator thermostat



- helps to reduce energy consumption by regulating the temperature in closed rooms
- enables remote and manual control of the radiator valve
- compatible with valves with M30x1.5mm thread or Danfoss RA mount (using the included adapter)
- temperature control range from 5 °C to 30 °C
- 3 operating modes
- built-in temperature sensor
- fast heating function (Boost Heat)
- valve descaling function
- protection against children (Child Lock)
- battery charge control function
- power supply: 2x AA (LR06) battery

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
- built-in temperature sensor

APB-200

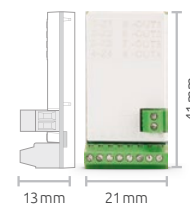
Wireless panic button



- triggers an alarm when pressed
- push button design to prevent accidental pressing
- ECO option to extend battery life
- LED for easy button testing

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

ARU-200

Radio signal retransmitter



- retransmission of signals of 46 wireless devices
- LED indicator of retransmitter status
- tamper protection against opening the enclosure
- power supply 230 V AC
- built-in switching mode power supply
- short-circuit protection of power supply input
- battery as an emergency power source
- battery charging system
- battery monitoring and disconnection of a discharged 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