APD-200

WIRELESS PIR MOTION DETECTOR

The **APD–200** detector is designed for operation as part of the **ABAX 2**/**ABAX** two–way wireless system. It is certified for compliance with the requirements of EN 50131 Grade 2.

Effective motion detection is achieved thanks to the double pyro–element, digital detection algorithm and dynamic compensation of temperature in protected premises. **APD–200** has a state–of–the–art wide angle lens. It can be replaced with the curtain lens (**CT–CL**) or long–range lens (**LR–CL**). Depending on your needs, the detector can also protect the creep zone, thanks to the adjustable mirror used. **APD–200** supervises the motion detection system: in the event the system is malfunctioning, the device will report an alarm.

Configuration of **APD–200** and updating of its firmware are carried out remotely. Radio communication within the **ABAX 2** system is encrypted using is AES encrypted.

The detector is powered by a CR123A 3 V battery, whose status is monitored in real time. The device is characterized by low energy consumption and the "ECO" option (available in **ABAX 2** only) enables the device operation time to be extended up to four times without battery replacement.

The LED indicator signals violations in the test mode, thus facilitating the testing process of the detector.

The device can be mounted on an adjustable ceiling/wall bracket. The detector has tamper protection against opening and removal from the mount.

- certificate of compliance with the requirements of EN 50131 Grade 2
- double pyroelement (passive infrared detector)
- state–of–the–art wide angle lens
- detection area 15 m x 24 m, angle 90°
- optional lens replacement with the curtain lens (**CT–CL**) or long–range lens (**LR–CL**)
- advanced digital signal processing
- dynamic compensation of temperature changes in the protected premises
- compatible with:
  - **ABAX 2** system controllers (**ACU–220** and **ACU–280**) and **ARU–200** radio signal repeater
  - **ABAX** system controllers (**ACU–120**, **ACU–270**, **ACU–250** and **ACU–100** (min. version 4.04), **INTEGRA 128–WRL** control panel and **ARU–100** radio signal repeater – the required version of the device firmware should be checked in its description on the website
- range of radio communication in the open area:
  - in **ABAX 2**: up to 2000 m (with **ACU–220**) / up to 1600 m (with **ACU–280**)
  - in **ABAX**: up to 500 m
- remote configuration and updating of the firmware
- built–in temperature sensor (temperature measurement from –10°C to +55°C)
- option to enable/disable creep zone control
- LED indicator of violations in test mode
- low energy consumption and battery status check
- "ECO" option for extending battery life (in **ABAX 2** only)
- power supply: CR123A 3 V battery
- adjustable bracket for wall–mounting or ceiling–mounting
- tamper protection against opening of the enclosure / removal from the mount

The actual appearance of the products may differ from the presented images. Product descriptions are provided in the web service for information purposes only.

TECHNICAL DATA

Battery working time (in years)	up to 2
Detected target velocity	0,3...3 m/s
Operating temperature range	-10°C...+55°C
Recommended mounting height	2...2,4 m
Max. current consumption	12 mA
Weight	132 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	CR123A 3V
Standby current consumption	70 µA
Dimensions	62 x 137 x 42 mm
Environmental class according to EN50130-5	II
Complied with standards	EN50131-1, EN50130-4, EN50130-5
Temperature measurement accuracy	±1°C
Warm-up period	35 s
Radio communication range (in open area) for ACU-120	up to 500 m
Radio communication range (in open area) for ACU-270	up to 500 m
Radio communication range (in open area) for ACU-220	up to 2000 m
Radio communication range (in open area) for ACU-280	up to 1600 m
Temperature measurement range	-10°C...+55°C
Detection area	15 m x 24 m, 90°
Security grade according to EN50131-2-4 (detector mounted directly to the wall)	Grade 2

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