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 meets the EN 50131 requirements for 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 lens with unique beam distribution. 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 lens with unique beam distribution
- 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** (**ACU–120** and **ACU–270**), **INTEGRA 128–WRL** control panel and **ARU–100** radio signal repeater
- 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

TECHNISCHE DATEN

Lebensdauer der Batterie (in Jahren)	bis 2
Erfasste Bewegungsgeschwindigkeit	0,3...3 m/s
Betriebstemperatur	-10°C...+55°C
Empfohlene Montagehöhe	2...2,4 m
Max. Stromaufnahme	12 mA
Gewicht	132 g
Max. Luftfeuchtigkeit	93±3%
Betriebsfrequenzband	868,0 ÷ 868,6 MHz
Batterie	CR123A 3V
Ruhestromaufnahme	70 µA
Abmessungen	62 x 137 x 42 mm
Umweltklasse gem. EN50130-5	II
Erfüllte Normen	EN50131-1, EN50130-4, EN50130-5
Genauigkeit der Temperaturmessung	±1°C
Anlaufzeit	35 s
Funkreichweite (im Freifeld) für ACU-120	bis 500 m
Funkreichweite (im Freifeld) für ACU-270	bis 500 m
Funkreichweite (im Freifeld) für ACU-220	bis 2000 m
Funkreichweite (im Freifeld) für ACU-280	bis 1600 m