

APD-200 Pet

WIRELESS PIR MOTION DETECTOR WITH PET IMMUNITY UP TO 20 KG

The **APD-200 Pet** 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.

It is provided with a quad pyroelement, advanced detection algorithm and dynamic temperature compensation, which ensure effective motion detection. **APD-200 Pet** supervises the motion detection system: if the system is malfunctioning, the detector will report an alarm. The device comes with the PET function, so the movement of pets (up to 20 kg) does not trigger an alarm.

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

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

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. Additionally, the "ECO" option (in **ABAX 2** only) enables the device operation time to be extended even fourfold.

The detector has tamper protection against opening and removal from the mount.

- certificate of compliance with the EN 50131 requirements for Grade 2
- quad pyroelement (passive infrared detector)
- state-of-the-art lens with unique beam distribution
- detection area 14 m x 16 m, angle 83°
- 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** 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)
- LED indicator of violations in test mode
- pet immunity (up to 20 kg)
- low energy consumption and battery status check
- "ECO" option for extending battery life (in **ABAX 2** only)
- power supply: CR123A 3 V battery
- 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	2,4 m
Max. Stromaufnahme	12 mA
Gewicht	107 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
Sicherheitsniveau gem. EN50131-2-2	Grade 2
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

