

# 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 is certified for compliance with the requirements of EN 50131 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 AES encryption.

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 wide angle lens
- 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**, **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)
- 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



## 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                          | 2,4 m                           |
| Max. current consumption                             | 12 mA                           |
| Weight   | 107 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                            |
| Security grade according to EN50131-2-2              | Grade 2                         |
| 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                                       | 14 m x 16 m, 83°                |