AOCD-260

OUTDOOR WIRELESS DUAL CURTAIN DETECTOR

The **AOCD–260** curtain detector supervises a narrow strip, only 0.6 m wide and 10 m long. The device, which detects movement when the boundary of the protected area is crossed, can be a component of perimeter protection. It works as part of the **ABAX 2**/**ABAX** two–way wireless system. The product complies with the EN 50131 Grade 2 requirements (for indoor use).

The detector has two detection paths i.e. infrared and microwave, which can be adjusted independently. The detection is based on digital signal processing supported by dynamic temperature compensation, which ensures proper functioning of the detector within the temperature range from –40°C to +55°C. **AOCD–260** supervises the motion detection system and indicates any faults in its operation. The detector is characterized by high immunity to false alarms.

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

AOCD–260 has a three–color LED which indicates, for example, violations in test mode.

The detector is powered by a CR123A 3 V battery. When the level of its charge is lower than the set value, the detector will report low battery. The "ECO" option (available in **ABAX 2** only) extends the device operation time even fourfold without battery replacement.

The device has a polycarbonate enclosure (with IP54 protection rating). The detector has tamper protection against opening and removal from the mount. It can be mounted directly on the wall (Grade 2) or, alternatively, using the angle–type bracket.

To increase the detector's distance from the wall, at a distance of even by over a dozen centimeters, it is worth using the **BRACKET E** modular set. Especially if there is a gutter or lamp in the vicinity of the device, which can limit the full range of the device detection field. A special insert for **AGATE** / **AOCD–260** detectors allows their installation also using **BRACKET A** and **BRACKET B** brackets (recommended for indoor installation).

All listed brackets are adapted for wall and ceiling mounting. In addition, BRACKET E and BRACKET B have an enclosed design that makes it easier to hide the cable, thereby improving the overall aesthetics of the installation.

- compliance with the EN 50131 Grade 2 requirements (for indoor use)
- two detection paths: PIR and microwave
- detection area: 10 m x 0.6 m, angle 6°
- high immunity to false alarms
- advanced digital signal processing
- dynamic compensation of temperature changes
- 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
- independently adjustable sensitivity of PIR and MW paths
- built–in temperature sensor (temperature measurement in the range from –40°C to +55°C)

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

- LED indicator of violations in test mode
- splash–proof, weather–resistant polycarbonate enclosure with IP54 protection rating
- 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
- can be mounted directly on the wall or, optionally, using the:
    - angle–type bracket
    - adjustable holder **BRACKET A**
        - tilt angle adjustment within approx. 30°
        - swivel angle adjustment within approx. 90°
        - optional wall– or ceiling mounting of detector
    - adjustable holder **BRACKET B**
        - inner cable duct
        - fully enclosed design for better appearance of installation
        - tilt angle adjustment within approx. 30°
        - swivel angle adjustment within approx. 90°
        - optional wall– or ceiling mounting of detector
    - **BRACKET E** set
        - **BRACKET E–1** (GY) – body for attaching the BRACKET E–2A inserts
        - **BRACKET E–2A** (GY) – insert for the mounting AOCD–260 curtain detectors
        - **BRACKET E–3** (GY) – 30 mm distance piece enabling the detector to be distanced from the wall or ceiling
        - **BRACKET E–4** (GY) – 20 mm mounting base
        - **BRACKET E–6** – tamper sensor with NO/NC switch and 500 mm long cables

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TECHNICAL DATA

Battery working time (in years)	up to 2
Detected target velocity	0,3...3 m/s
Operating temperature range	-40°C...+55°C
Recommended mounting height	2,4 m
Max. current consumption	26 mA
Weight	118 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	CR123A 3V
Standby current consumption	70 µA
Dimensions	44 x 105 x 40 mm
Environmental class according to EN50130-5	IIIa
Complied with standards	EN50131-1, EN50130-4, EN50130-5
Temperature measurement accuracy	±1°C
Microwave frequency	24,125 GHz
Warm-up period	45 s
IP code	IP54
Radio communication range (in open area) for ACU-120	up to 500 m
Radio communication range (in open area) for ACU-270	d0 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	-40°C...+55°C
Detection area	10 m x 0,6 m, 6°
Security grade according to EN50131-2-4 (detector mounted directly to the wall)	Grade 2

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