

ACD-220 BR

WIRELESS CURTAIN DETECTOR

ACD-220 is a wireless curtain motion detector. **ACD-220** is designed for indoor use. The detector operates within the **ABAX 2** two-way wireless system.

The device is operated by:

- **ACU-220/ACU-280** system controller
- **ARU-200** signal retransmitter

ACD-220 is available in three colour options: white (**ACD-220**), brown (**ACD-220 BR**) and dark grey (**ACD-220 DG**).

- motion detection using a passive infrared sensor (PIR)
- adjustable sensitivity of motion detection
- digital algorithm of motion detection
- digital temperature compensation
- lens designed specifically for SATEL short range curtain detectors
- encrypted two-way radio communication in the 868 MHz frequency band (AES standard)
- diversification of transmission channels – 4 channels allow automatic selection of one that guarantees transmission without interference with other signals in the 868 MHz frequency band
- remote detector firmware update
- remote configuration
- built-in temperature sensor (temperature measurement from -10 °C to +55 °C)
- LED indicator
- monitoring of motion detection system
- ECO option to extend battery life
- battery check
- tamper protection against opening the enclosure and against detaching it from mounting surface



TECHNICAL DATA

| | |
|--|------------------------|
| Battery working time (in years) | up to 2 |
| Detected target velocity | 0,3...1 m/s m/s |
| Operating temperature range | -10°C...+55°C |
| Max. current consumption | 15 mA |
| Weight | 43 g |
| Maximum humidity | 93±3% |
| Operating frequency band | 868,0 ÷ 868,6 MHz |
| Battery | CR123A 3V |
| Standby current consumption | 70 µA |
| Dimensions | 20 x 102 x 25 mm |
| Environmental class according to EN50130-5 | II |
| Complied with standards | EN 50130-4, EN 50130-5 |
| Temperature measurement accuracy | ±1 °C |
| Warm-up period | 5 s |
| Radio communication range (in open area) for ACU-220 | up to 2000 m |
| Radio communication range (in open area) for ACU-280 | up to 1200 m |
| Temperature measurement range | -10°C...+55°C |
| Maximum detection area | 5 m x 1 m, 15° |

