

# ACD-220

**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



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