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
Detection area	5 m x 1 m, 15°