

APMC-250 R

APMC-250 R is a wireless dual-tech indoor motion detector designed for recessed ceiling installation. The APMC-250 R detector operates within the **ABAX 2** two-way wireless system.

This model is also available for surface-mounting (**APMC-250 R**).

- compliant with the **EN 50131 Grade 2** requirements
- detector supported by:
 - ACU-220 / ACU-280 controllers
 - ARU-200 repeater
 - BE WAVE Hybrid alarm control panels
 - BE WAVE Smart HUB controllers
- radio communication range in open space: up to 2000 m*
- motion detection using a passive infrared (PIR) sensor and microwave sensor (MW)
- maximum detection area:
 - ø 6 m / 28 m² – mounting height 2,4 m
 - ø 10 m / 79 m² – mounting height 3,5 m
- digital motion detection algorithm
- digital temperature compensation
- encrypted two-way radio communication in the 868 MHz frequency band (AES standard)
- transmission channel diversification – 4 channels enabling automatic selection of the channel that allows interference-free communication with other signals in the 868 MHz frequency band
- remote configuration and firmware update
- built-in temperature sensor (measurement range: 10°C...+55°C)
- LED indicator signaling violations in test mode
- supervision of the motion detection circuit
- powered by a CR123A 3 V battery
- power supply monitoring
- ECO mode option to extend battery life
- battery status monitoring
- tamper protection against enclosure opening and detector displacement (optional, when displacement detection is enabled*)



*detailed information is available in the device manual

Standby current consumption	86 µA
Low battery notification voltage	2,75 V
Temperature measurement range	-10°C...+55°C
Security grade according to EN50131-2-2	Grade 2
Warm-up period	40 s
Microwave frequency	24,125 GHz
Temperature measurement accuracy	±1°C
Complied with standards	EN50131-1, EN50130-4, EN50130-5
Environmental class according to EN50130-5	II
Dimensions	ø 130 x 42 mm
Battery working time (in years)	do 2
Battery	CR123A 3 V
Radio communication range (in open area)	do 1800 m
Operating frequency band	868,0 ÷ 868,6 MHz
Maximum humidity	93±3%
Weight	120 g
Recommended mounting height	2,4...3,5 m
Operating temperature range	-10°C...+55°C
Detected target velocity	0,3...3 m/s