

RADAR DETECTION · BACKUP · 433 MHz OUTPUT

Radar motion sensor for alarm systems

24-24.25 GHz radar sensor for alarm systems, with detection up to 6 m, a 3000 mAh backup battery and 433 MHz transmission using a 1527 code.

**RADAR****24-24.25 GHz**

FMCW technology

DETECTION**up to 6 m**

4-5 m optimised

POWER**230 V · 50 Hz**

3000 mAh backup

READY-TO-USE CALIBRATION

The standard configuration is stable against false alarms while reliably detecting small movements within approximately 4-5 m.

ESSENTIAL TECHNICAL DATA

Specifications and configuration

Detection technology	FMCW mmWave radar
Radar frequency	24 - 24.25 GHz (LD2420 module)
Maximum detection distance	up to 6 m
Standard optimised range	approximately 4 - 5 m
Power supply	230 V AC / 50 Hz
Backup battery	3000 mAh
Control-panel signal	433 MHz / 1527 code
Enclosure dimensions	90 x 60 x 40 mm

OPERATION AND CALIBRATION

- The radar detects movement and micro-movement without relying on the infrared radiation used by PIR sensors.
- After detection the device sends a 433 MHz signal with a 1527 code to the alarm control panel.
- The standard configuration prioritises stability and false-alarm immunity.
- Thresholds, distance ranges and sensitivity can be adjusted on request for the installation environment.
- The integrated battery keeps the sensor operating during a mains power failure.

INSTALLATION

Product intended for indoor environments. Connection to the 230 V mains must be carried out by qualified personnel. Compatibility requires a control panel able to learn a 1527 code at 433 MHz.

