Wireless PIR and MW combined detector

Code: JA-180W

The detector is used for human motion detection in the interior of a building. Thanks to the combination of motion and microwave detection, the detector is highly resistant to false alarms.



Product description:

When motion is sensed by the PIR detector, the **MW detector is activated to confirm the triggering of the PIR**. Only after receiving a **confirmed alarm signal from the MW unit** , the detector sends an alarm report to the control panel.

The detection characteristic may be **optimised by using alternative lenses** JS-7904 LONG HALLWAY, JS 7906 PET or JS-7901 CURTAIN.

It is addressable and occupies one position in the alarm.

Technical information:

Power supply	Lithium battery type CR14500 (AA) 3.6 V/2.45 Ah Please note: Battery is not included
Nominal current	21 µA
Maximal current	38 µA
Battery low voltage	? 2.6 V
Typical battery lifetime	approx. 2 years (DIP no. 3 to NORM)
Communication band	868.1 MHz, Jablotron protocol
Communication range	approx. 300 m (open area)
Recommended installation height	2.0 to 2.5 m above floor level
PIR detection angle/detection range	110°/12 m (with basic lens)
MW detection angle/detection range	24°/15 m (open area)
MW detection angle/detection range	90°/15 m (sample room)
MW detection range/frequency	9.35 GHz
Dimensions	110 x 60 x 51 mm
Weight	114 g
Classification	Security grade 2/Environmental class II

- according to	EN 50131-1, EN 50131-2-4, EN 50131-5-3
- operational environment	Iindoor general
- operational temperature range	-10 °C to +40 °C
- average humidity	75 % RH non condensing
- certification body	Trezor Test s,r.o. (no. 3025)
Complies with	ETSI EN 300 220, ETSI EN 300 440, EN 50130-4, EN 55022, EN 60950-1
Can be operated according to	ERC REC 70-03