Bus dual PIR and MW motion detector

Code: JA-122PW



This product is a bus device of the JABLOTRON 100+ system. It is designed to detect human body movement inside buildings. A high immunity to false alarms is reached thanks to the combination of PIR and microwave (MW) detection. The detector works like a classic PIR detector, however, when the PIR detects movement in a guarded area, the MW part is activated and confirms the previous PIR activation.

Product description:

The product features a white lens that provides standard white light immunity as defined by the norm (up to 6000 lux). The immunity to false alarms can be set at two levels, PIR and MW. The detector operates with a pulse reaction and takes up a single position in the system.

Technical information:

Power supply	from the control panel bus 12 V DC (9 ... 15 V)
Current consumption	
- in standby mode	5 mA
- for cable choice	16 mA
Recommended installation height	2.2 – 2.5 m above floor level
Detection angle/PIR coverage	90°/12 m
Detection angle/MW coverage	80°/12 m
MW Frequency	24.125 GHz
Maximum MW radio-frequency power (ERP)	30 mW
Dimensions:	150 x 63 x 40 mm
Weight	120 g
Classification	Security grade 2/Environmental class II (According to EN 50131-1)
Environment	Indoor general
Operating temperature range	-10 °C to +40 °C
Average operational humidity	75 % RH, w/o condensation
Certification body	Trezor Test s.r.o. (no. 3025)
In compliance with	ETSI EN 300 440, EN 50130-4, EN 55032, EN 62368-1, EN 50581, EN 50131-1, EN 50131-2-4
Operating conditions according to general authorization	ERC REC 70-03