Wireless PIR motion detector with basic pet immunity

Code: JA-154P PET



The JA-154P PET is a wireless PIR detector featuring basic pet immunity within the JABLOTRON 100+ and Mercury system portfolios. Serving as the direct successor to the popular JA-150P PET model, it utilises a proven standard design enhanced by a special lens that eliminates alarms caused by household pets.

Product description:

The detector is designed for standard indoor security in premises where small pets move along the floor and where reliable functionality at a reasonable price is a priority.

- **Basic pet immunity**: Special PET optics combined with digital signal processing minimise the risk of false alarms, ensuring trouble-free coexistence with animals in the home.
- **Two-way communication**: Utilises secure and reliable acknowledged communication with the system control panel.
- **Full remote configuration**: All detector settings are managed via configuration software (F-Link). This eliminates the need to visit the site or open the cover to access manual switches.
- **Effective power management**: Powered by two 1.5 V AA alkaline batteries with a typical service life of 4 years.
- **Comprehensive tamper protection**: The detector is equipped with sensors to detect both cover opening and removal from the wall.
- **Installation specifics**: For correct immunity performance, the device must be mounted on flat walls or in a corner at a height of 2.0 to 2.2 m.
- **System compatibility**: The product is fully compatible with JA-102K, JA-103K, JA-107K, JA-108K series control panels, as well as JA-152KRY wireless variants.
- **Certified security**: The detector is certified to Security Grade 2 according to the EN 50131 standard.

Important Notice: Pet immunity has its limitations; detection may occur if an animal moves at height, such as a cat jumping onto a shelf level with the detector.

Read more about basic PET immunity...

Technical information:

Power supply	2x alkaline batteries, type LR6 (AA) 1.5 V Note: batteries are not included.
Typical battery life	approximately 4 years
Low battery voltage	<2.4 V
Nominal current consumption	36 µA
Maximum current consumption	50 mA
Communication frequency	868.1 MHz, JABLOTRON protocol

Maximum radio-frequency power (ERP)	<25 mW
Communication range	approx. 500 m (open terrain)
Recommended installation height	2.2 m above floor level
Detection angle / detection coverage	90 ° / 12 m (standard); 90 ° / 7 m (PET protection)
Dimensions	60.8 x 97.5 x 51.8 mm
Weight (without batteries)	82 g
Classification	security grade 2 / environment class II (according to EN 50131-1)
Environment	Indoor general
Operating temperature range	-10 °C to +40 °C
Average operating humidity	75 % RH, non-condensation
Certification body	Trezor Test s.r.o. (No. 3025), Kiwa Nederland b. v.
Complies with	EN 50131-2-2, EN 50131-5-3, EN 50131-6, EN 50130-4, ETSI EN 300 220-2, EN 55032, EN IEC 62368-1, EN IEC 63000, T 031
Operating conditions according to general authorisation	ERC REC 70-03
Recommended screw	2x ø 3.5 x 40 mm (countersunk head)