

JA-110P PET - Bus PIR motion detector with basic pet immunity

The JA-110P PET is a bus device of the **JABLOTRON** system. It is used to detect movement of persons in interiors of buildings. Unlike the standard PIR motion detectors from the JABLOTRON series, this detector has a modified detection characteristic and it is equipped with basic pet immunity. The detector eliminates the effects of the movement of small animals on the floor (animals with a weight of up to approx. 25 kg and a maximum height of 40 cm). The detector has a pulse reaction and it takes one position in the system. The detector should be installed by a trained technician with a valid certificate issued by an authorized distributor.

Installation



When connecting the detector to the bus, always switch the system power off.

1. Open the detector cover by pressing the cover tab (5). Avoid touching the PIR sensor inside (11) – you could damage it.
2. Take out the PCB – it is held by a tab (3).
3. Punch through the holes for screws and a cable in the plastic base. The recommended detector installation height is 2 m above the floor.
4. Insert the bus cable and attach the plastic base to the wall with screws (vertically, with the cover tab facing downwards).
5. Insert the PCB back and connect the cables to the terminals (8).
6. Proceed by following the control panel installation manual.

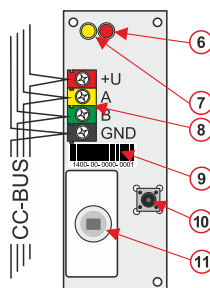
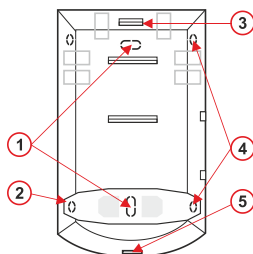
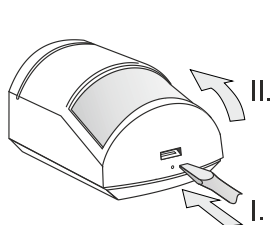



Fig.1: Opening the detector and description of internal and external parts of the product.

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|--|--------------------------|
| 1 – holes for installing on a flat wall | 7 – yellow LED – fault |
| 2 – holes for installing at an angle (in a corner) | 8 – bus terminals |
| 3 – PCB tab | 9 – production code |
| 4 – holes for installing at an angle (in a corner) | 10 – cover tamper sensor |
| 5 – cover tab | 11 – PIR sensor |
| 6 – red LED – activation | |

Assignment to the system and settings

Depending on the type of control panel, use the recommended software or application, see the manual of the control panel.

Technical specifications

Power.....	from the control panel bus 12 V (8...15 V)	Operational environment	Indoor general
Quiescent current consumption.....	5 mA	Operational temperature range.....	-10 °C to +40 °C
Maximum current consumption	10 mA	Average operational humidity.....	75% RH, non-condensing
Recommended installation height.....	2 m above the floor	Certification body	Trezor Test s.r.o. (no. 3025), KIWA Nederland b. v.
Detection angle / detection coverage.....	90 ° / 12 m	Also complies with	EN 50131-1, EN 50131-2-2, EN 50130-4, EN 55032, EN IEC 63000, T 031.
Detection angle / detection coverage – pet immunity ..	90 ° / 7 m	Recommended screw	2 x  \varnothing 3.5 x 40 mm (countersunk head)
Dimensions	60 x 98 x 52 mm		
Weight.....	75 g		
Classification	Grade 2/II. indoor general (According to EN 50131-1)		



JABLOTRON a.s. hereby declares that the JA-110P PET is in compliance with the relevant European Union harmonisation legislation: Directives No: 2014/30/EU, 2011/65/EU. when used as intended. The original of the conformity assessment can be found at www.jablotron.com – the Downloads section.



Note: Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please return the product to the dealer or contact your local authority for further details of your nearest designated collection point.

For an electronic version of this document (available in other languages) or a version for installation in the JA-100, scan the attached QR code (<https://manuals.jablotron.com/ja-110p-pet>).



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