# Wireless PIR motion detector with a 90° verification camera

Code: JA-162PC



This device is a wireless component of the JABLOTRON system. It serves for the detection of human movement in building interiors and visual alarm confirmation. The camera takes colour photos with a resolution of up to 640x480 pixels.

## Product description:

The camera is equipped with a visible flash for taking photos in the dark. The images are saved in the internal memory of the detector and then they are forwarded to the control panel and from the control panel they can be sent to MyJABLOTRON or ARC. The detector can also take a photo by request.

The detector takes one position in the system and should be installed by a trained technician with a valid certificate issued by an authorised distributor.

The photo-verification can be used only after the registration of the system to MyJABLOTRON or with subsequent ARC service.

**This device is compatible with JA-103K, JA-107K, JA-102K control panel units and upper models.**

## Technical information:

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| **Power** | 2x lithium battery type CR123A 3 V/1.5 Ah |
| **Typical batteries lifetime** | about 2 years (1 activation and 1 series of photos a day)<br>Please note: Batteries are not included |
| **LowBatt voltage** | ?2.8 V |
| **Quiescent current consumption** | 90 µA |
| **Maximum current consumption** | 700 mA |
| **Communication frequency** | 868.1 MHz, JABLOTRON protocol |
| **Maximum radio-frequency power (ERP)** | 11 mW |
| **Communication range** | approx. 300 m (unrestricted area) |
| **Recommended installation height** | 2.5 m above the floor |
| **PIR Detection angle/detection coverage** | 90°/12 m |
| **Horizontal camera capture angle** | 90° |
| **Range of the flash** | max. 3 meters |
| **Resolution of the camera** | LQ 320 x 240; HQ 640 x 480 pixels |
| **Photo size LQ/HQ** | 5–20 kB/5–64 kB |

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| **Typical (LQ) photo transmission time to the control panel** | up to 20 s (10 s) |
| **Typical (HQ) photo transmission time to the control panel** | up to 130 s (60 s) |
| **Typical photo transfer time to the server** | 15 s/GPRS; 2 s/LAN |
| **Dimensions, weight (without batteries)** | 150 x 65 x 44 mm, 130 g |
| **Operational temperature range** | -10 °C to +40 °C |
| **Operational environment** | Indoor general |
| **Average operational humidity** | 75% RH, without condensation |
| **Classification** | Security grade 2/Environmental class II (EN 50131-1) |
| **Certification body** | Trezor Test no. 3025 |
| **Complies with** | EN 50131-1, EN 50131-2-2, EN 50131-5-3, EN 50131-6, EN 55032, ETSI EN 300 220-1,-2, EN 62368-1, EN IEC 63000 |
| **Can be operated according to** | ERC/REC 70-03 |
| **Recommended screw** | 2 x o 3.5 x 40 mm (countersunk head) |