JA-162PC Wireless PIR motion detector with a 90° verification camera

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.

○ **Declaration of conformity - JA-162PC (PDF 688.94 kB)**

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 specifications

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) 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
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 ø 3.5 x 40 mm (countersunk head)