

Operational description

The JA-84P is a component of Jablotron's Oasis 80 alarm system. It provides human body movement detection including visual alarm verification. The detector's camera is equipped with a flash to take photos in the dark. The camera is capable of taking monochromatic pictures with a resolution of 160x128 pixels. A sequence of 4 photos is taken when movement is detected. It is stored in the detector's internal memory and it is also transmitted wirelessly to the control panel to be sent to an alarm receiving center and/or to the owner's mobile phone display. The battery-powered detector communicates via the OASIS radio protocol.

It is activated to alarm state when the passive infra-red sensor detects and evaluates human movement.

The wireless transmitter (connection to control unit) has operating frequency $f = 868.5 \text{ MHz}$.

The device is battery operated. The power source delivered by producer and used for testing was a set of 2 new lithium batteries type CR 123A; $U = 3\text{V}$.

Antenna type : Internal, Integral

Under normal operating conditions (no alarm state) the device transmits 30 ms data pulse to control unit once in 540 s (9 minutes).