

## **Operational description**

The JA-82R is a radio module for Control panel JA-82K-US (central unit of the alarm system). It transmits/receives data messages from other components of system.

The JA-82R is connected to the PCB of JA-82K-US directly by connector that is located on both PCB's.

JA-82R includes on its PCB transmitter - receiver part, power supply is provided from the control unit JA-82K-US which is powered from AC mains 120 V 60 Hz (internal power module TRF-01-US) with internal backup accumulator battery 12 V.

The antenna is internal – built in the enclosure, connected by unique connector to the PCB. Type of antenna is monopole.

Operational frequency is 868.5 MHz.

Oscillator frequency of the receiver is 868.5 MHz.

Under normal operation the control panel communicates via JA-82R with devices of the system as PIR detectors, sirens in regular intervals in order to check the system integrity.

The control unit communicates with selected devices of the system once in approximately 9 minutes (data pulses of approximately 30 ms length)