

## SPECIFICATION

Device: a 2-button PUK 112-1 remote control

### TECHNICAL PARAMETERS

- class: C
- frequency: 433,92 MHz
- transmission: coded (KeeLoq hopping code by Microchip Technology)
- number of buttons: 2
- sending power: <5mW
- power supply: 3x lithium 3V
- dimensions (mm): 37\*51\*12
- colour: black
- cooperation: any GE receiver
- operating range (m):
  - with superreactive receiver: 100
  - with heterodyne receiver: 200

PUK 112-1 is a two-button 1-code remote control. Both of the buttons send the same code so pressing any button will control the work of receiver to whose memory the remote control was entered. It is usually chosen because of its construction (the buttons are in the cavities).

The above range concerns the open space (without any obstacles, when the receiver and the remote control can "see each other"). If there are any obstacles between the receiver and the sender, one must assume that the range would be reduced: for wood and plaster it would be 5-20% lower, for bricks 20-40% lower, and for reinforced concrete 40-80% lower.

If there are many obstacles we advise to configure the sets using the receivers of the SH class, to use retransmitters or stronger remote controls. If there are metal obstacles, using the radio systems is not recommended. In such situation, consider installing WLC 201 module, which helps to avoid the problem.



The 2-button PUK 112-1 remote control can be used as a unit which controls remotely the work of a wide variety of devices: gates and garage doors, barriers, blinds, electromagnetic locks, lights, pumps, air-conditioning etc.

In alarm systems it is used:

- as a panic button
- to turn on/off the zone
- as a unit which controls remotely the work of other devices of the system, for example sensors

The transmission is based on the hopping code (KeeLoq by Microchip Technology Inc. USA), which guarantees high safety of using and resistance to the radio signals from other devices. Each sender has its own individual code. The receiver reacts only to the transmissions coming from the senders which have previously been entered into its memory. "Loosing" 15 successive transmissions (using the remote control beyond the receiver's range) requires pressing the remote control button twice.

The remote control does not signal the low battery level. If the diode does not light when pressing buttons or if the range of the system decreased significantly, it may indicate the need to change the battery.

Only when the remote control cooperates with the IDO 04/99 receiver, the low battery level is signalled by the receiver.

**The device meets the requirements of the directives EMC 89/ 336/ EEC and  
RTTE 1999/ 5/ EC**

