



## **Wireless alarm button system RS1-P6**

### **Installation manual**

Year 2005.

Wireless alarm button system **RS1-P6** consist of **RT1-P** transmitter and the **RR4-5** receiver, and is designed for transmitting alarm signal on the distance up to 1km.

### **RT1-P transmitter.**

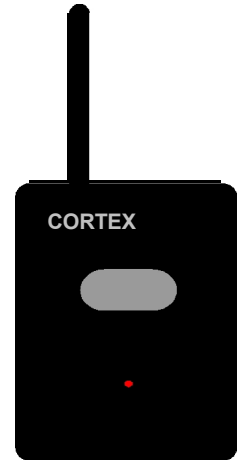
**RT1-P** transmitter is built into the plastic case. On the case of the transmitter are located:

- Antenna
- Clip for fastening on a belt\*
- Alarm button
- Transmitting and battery charge indicator.

\* - *Not necessary.*

For signal transmitting, you have to press button for half a second time. At that time transmitting indicator starts to glow. Device will be in transmitting mode until the button is pressed. That's why it's not recommended to hold the button for more than three seconds.

As power supply used **GP-11A** alkaline battery with 6V voltage. Battery is designed for six-month use.



### **RR4-5 receiver**

**RR4-5** receiver appearance is show on Pic.2. **RR4-5** is designed for information gathering from six alarm buttons, it's display and transmitting on other execution units.

#### **RT1-P alarm buttons registration and deleting mode.**

To enter this mode, you have to:

On deenergized **RR4-5** receiver press **RST** button and holding it energize receiver.

**Note:** *If there are no registered buttons in receiver memory, then entering in this mode is made automatically when power is on, or after deleting alarm buttons from the memory (see. below).*

If you entered this mode correctly, **BAT** indicator should start blinking. Indicators **1-6** are used for displaying alarm buttons, registered in receiver memory.

To register new alarm button you have to lead this button into transmitting. If registration is successful this button will receive serial number from 1 to 6 in receiver memory and one of the **1-6** indicators, which matches this number will glow.

If button with this address already was registered then one of the **1-6** indicators, which match this number, will blink.

**Note:** *If all six **1-6** indicators are glowing – new button registration is not made.*

To exit this mode you have to press **RST** button for the second time or restart receiver power supply.

When exiting with **RST** button, user in 4-second time has the opportunity to delete all registered alarm buttons (at this time all indicators on a receiver panel are blinking). Deleting is made by pressing **RST** button once again.

If during assigned time **RST** button wasn't pressed and if in **RR4-5** memory are registered at least one button, receiver switches into message receiving and indication mode.

### Message receiving indication.

**RR4-5** receiver receives messages only from registered in it's memory alarm buttons. Triggered alarm button is displayed by appropriate **1-6** indicator, according to number received during registration. Also on the appropriate receiver output appears «case» signal.

Any information receiving is followed by sound signal.

### RR4-5 receiver configuration.

**RR4-5** receiver can work in two main modes: received messages “block” and “auto reset” modes.

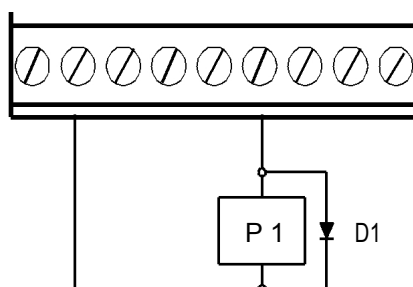
Needed mode selection is made using jumper on the receiver back side. Activated jumper - “auto reset”, deactivated – “block”.

**Note:** *Activating and deactivating jumper must be made only on deenergized receiver.*

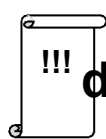
In “auto reset” mode, receiver automatically resets message memory in 8 seconds after receiving new information.

In “block” mode, receiver stores information, received from alarm buttons, until the RST button is pressed.

**Note:** *Maximum allowed output current on receiver “open collectors” is 50 mA. When connecting relay to this outputs, you have to mount protective diode in parallel with relay winding like it shown on Pic. 1..*

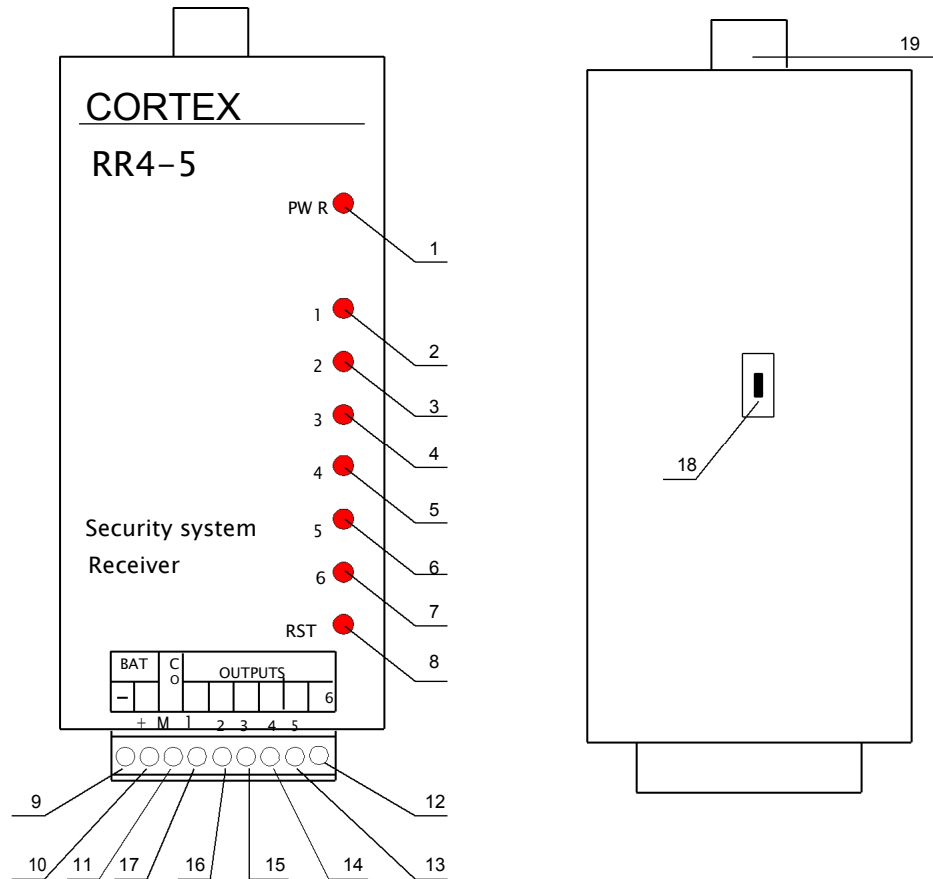


Pic. 1. Relay connecting to the RR4-5 receiver outputs



“Korteks” company anticipates that RS1-P6 wireless alarm button system must be mounted according to current manual, otherwise company **doesn't bear responsibility for problems with system mounting and** maintenance.

**Pic.2 RR4-5 receiver appearance**



- 1) Power indicator
- 2) First alarm button indicator
- 3) Second alarm button indicator.
- 4) Third alarm button indicator.
- 5) Fourth alarm button indicator
- 6) Fifth alarm button indicator.
- 7) Sixth alarm button indicator
- 8) Message confirmation button.
- 9) 12V battery minus.
- 10) 12V battery plus.
- 11) Common.
- 12) First alarm button «open collector» output
- 13) Second alarm button «open collector» output
- 14) Third alarm button «open collector» output
- 15) Fourth alarm button «open collector» output
- 16) Fifth alarm button «open collector» output
- 17) Sixth alarm button «open collector» output
- 18) Jumper that determines RR4-5 receiver working mode:
  - Set - "auto reset"; Removed - "block".
- 19) Antenna connector.