TI 982/TI 992

Two-channel radio controller

Manual instruction.

Technical specifications of the hand remote control

frequency: 433.92 MHz

transmission: coded (variable code KeeLoq Microchip Technology)

number of buttons: 2

transmitter power: <5mW

power supply: 12V lithium battery (type 27A)

dimensions: 55x31x14mm

color: black / silver

range: 100m

Description

The TI982 radio remote control set consists of a receiver and two hand-held remote controls.

The coded control signal is transmitted by radio from the remote control to the receiver, in which after

decoding the appropriate relay output is switched and this change is confirmed is on the signaling output. The coding used in the transmission is based on the code KeeLoq variable from Microchip Technology Inc. USA. Thanks to this, radio transmission ensures high security, because each is different from the previous one. Number of pilots cooperating with the receiver is limited to 14. The radio receiver is equipped with relay outputs type NO / NC (normally open and normally closed), output S for external signaling and LED indicator diodes. The receiver should be installed as high as possible and only inside dry rooms. The range of the set is up to 100 meters in open space. Not belong cover the receiver with metal components and electrical devices that can form a screen for radio waves, which will limit the range. Limitations in the range of operation they may also be caused by local electrical and radio interference or other local radio interference broadcasting devices. A range test should be carried out before any permanent installation of the receiver on-site operation of the kit. Information about a low battery in the remote control (transmitter) is signaled is the disappearance of light or flashing of the built-in LED.

Description of elements

ZAS - control diode (green) - indicates receiver's power supply

K1 - diode output 1 (red) - indicates the output 1 activation

K2 - output 2 diode (red) - indicates the output 2 is working, and also signals the status programming
LEARNING - a button to start programming mode

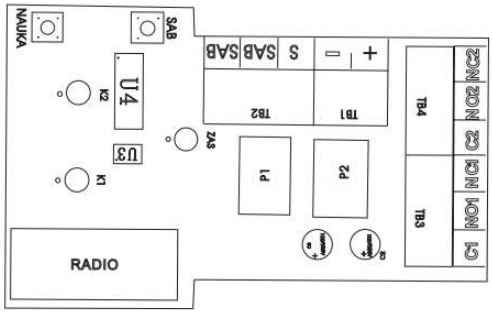
SAB - tamper protection contact and corresponding terminal terminals

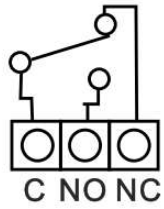
Output S - indicates the activation status of output 1 of the receiver; with short signals informs if the output has been switched on or off. When switched on, one short appears at the S output signal, and two off. A control signal in the form of a ground signal appears at the S output (negative potential).

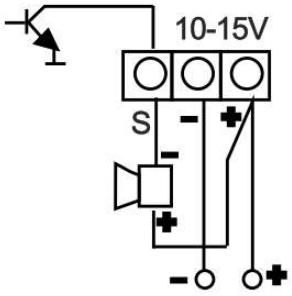
+, - - terminals for connecting the 12VDC receiver power supply

C1, NO1, NC1 - receiver 1 output, with NO / NC changeover contacts

C2, NO2, NC2 - receiver 2 output, with NO / NC changeover contacts







New remote controller registration

a) press the LEARNING button for more than 0.5s but not more than 4s, the K2 diode will light up

b) press the first key on the remote control, it will turn off the K2 diode

c) press the next key on the remote control, the K2 diode will light up for 3s and then it will start blinking and off

it means successful registration of the new remote control In case the remote control registration fails, the K2 LED will flash once and then go out. Belongs then carry out the entire procedure from the beginning. Attempt to register a remote control with memory full receiver (14 remote controls have been entered), will register a new remote control together with the remote control being deleted entered first.

Setting the receiver's operating mode To set the receiver operation mode, a registered remote control is necessary. Factory setting receiver is a bistable mode.

Monostable mode - receiving a control signal from the remote control changes the relay status to set program time. To set the operation mode as monostable, press the LEARNING button (this will cause the K2 diode to light up). Keep the LEARNING button pressed until

K2 diode will start to flash. Release the LEARNING button, after releasing the button the K2 diode will be on lit continuously for about 2s and then starts to flash. Each lighting of the K2 diode corresponds to 1s relay change time. To set, for example, 30s, wait 30s K2 LEDs on, then press any key of the registered remote control to accept settings. Maximum 260s is possible, which corresponds to 4min 20s. If during the countdown (K2 diode blinking) the remote control key will not be pressed, after the countdown maximum time, the K2 diode will be lit for 1 minute. Key press keyfob at this time will set the maximum exit time. No press key on the remote control will exit the called exit function setting function, leaving it current settings.

Bistable mode - receiving a control signal from the remote control changes the relay status to the opposite. IN to set the operating mode as bistable, press the LEARNING button (this will light up the ED K2). Keep the LEARNING button pressed until the K2 diode starts flashing. Slow then the LEARNING button, after releasing the button, the K2 diode will be lit continuously for about 2s and during this period it is necessary to press any button of the registered remote control.

Deleting the remote control memory in the receiver

Press and hold the LEARNING button. At first the K2 diode will light for about 4s and then it will start pulsate and then go off. This means you have successfully deleted the receiver's memory.

Only then release the LEARNING button.

Please note that the above procedure erases all memory contents receiver remotes. In case it is necessary to remove only one or several remote controls, after the deleting procedure, register the pilots to remain in system. Deleting remote controls does not change the operating mode of the receiver outputs. Total power outage receiver, does not cause loss of registered remotes or set output modes receiver.