

User Manual

WK433

Wireless Keypad



ELSEMA 
Automatic Gate & Door Technology

Description

The WK433 is a battery powered wireless keypad. It is a 2-channel transmitter, which transmits a signal to the receiver when the correct code is typed. Both channels have the same code.

The Keypad is suitable for mounting either indoor or outdoor under cover

It is an ideal choice for gate and door access for homes, shops, factories, warehouses, laboratories, banks and prisons.

Features

- Easy programming
- CR2450 Battery
- IP54 rated
- Built in buzzer
- Keypad has a backlight
- PIN length up to 8 digits
- 433MHz operating frequency
- Average service life of 2 years with 10 transmissions a day

Operation

Both channel 1 & 2 have the same code. After typing the correct code combination, pressing ▲ button transmits channel 1 and pressing the ▼ button will transmit channel 2.

Buzzer	Description
1 short beep	When any button is pressed
1 long beep	Correct combination typed in
5 short beeps	Incorrect combination typed in
Low or no buzzer	Battery needs replacing

Programming the keypad code

Factory default code is 1234. Do not use the factory default code for normal operation.

Procedure	Buzzer
1. Press and hold “0”	1 short beep
2. While holding “0” press and release ▲	1 long beep
3. Release “0”	
4. Type in the factory default code (1234) and press ▲	Short beeps when typing
5. Type in your new code combination which can be up to 8 digits and press ▲	Short beeps when typing
6. Type the new code combination again to confirm and press ▲	1 long beep when ▲ button is pressed

During normal operation, code combination should be pressed with-in 5 seconds of each other. If a wrong combination is pressed, press either ▲ or ▼ and start over again.

To reset the keypad to factory default, it has to be sent back to Elsema.

Once the keypad code is programmed, the keypad needs to be programmed to the receiver.

Programming the keypad to the receiver

Procedure	LED
1. Connect power to the receiver	Red LED will blink once and then turns OFF
2. Press and release the learn button on the receiver	Red LED comes ON and stays ON
3. Type the code combination on the keypad and press ▲	Red LED turns OFF
4. Type the code combination again on the keypad and press ▲	Red LED blinks fast for 3seconds and turns OFF
Deleting the Keypad from the receiver	
Press and hold the learn button for 10sec	Red LED turn On and stays ON
Release the learn button	Red LED Turns OFF

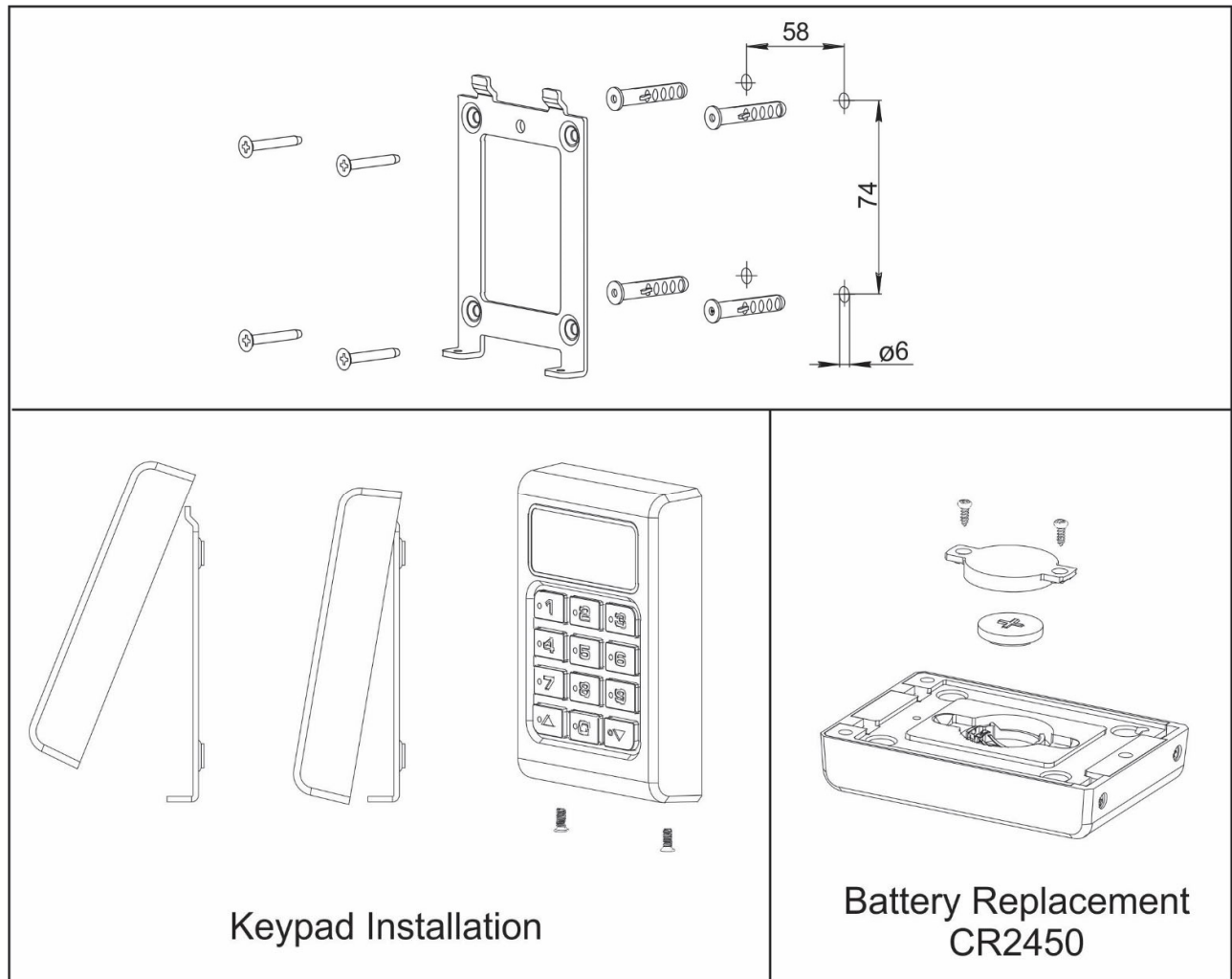
Technical Data for the receiver

Supply Voltage	12- 24 Volts AC/DC
Current Consumption	30mA standby, 70mA with relay ON
Receiving Frequency	433.920MHz
Operating Temperature Range	-5 to 50°C
Output	Change over relay output, rated at 1A at 24VDC
Dimensions	78 x 44 x 25mm
Weight	80g
Memory	Up to 4 keypads can be programmed to a single receiver

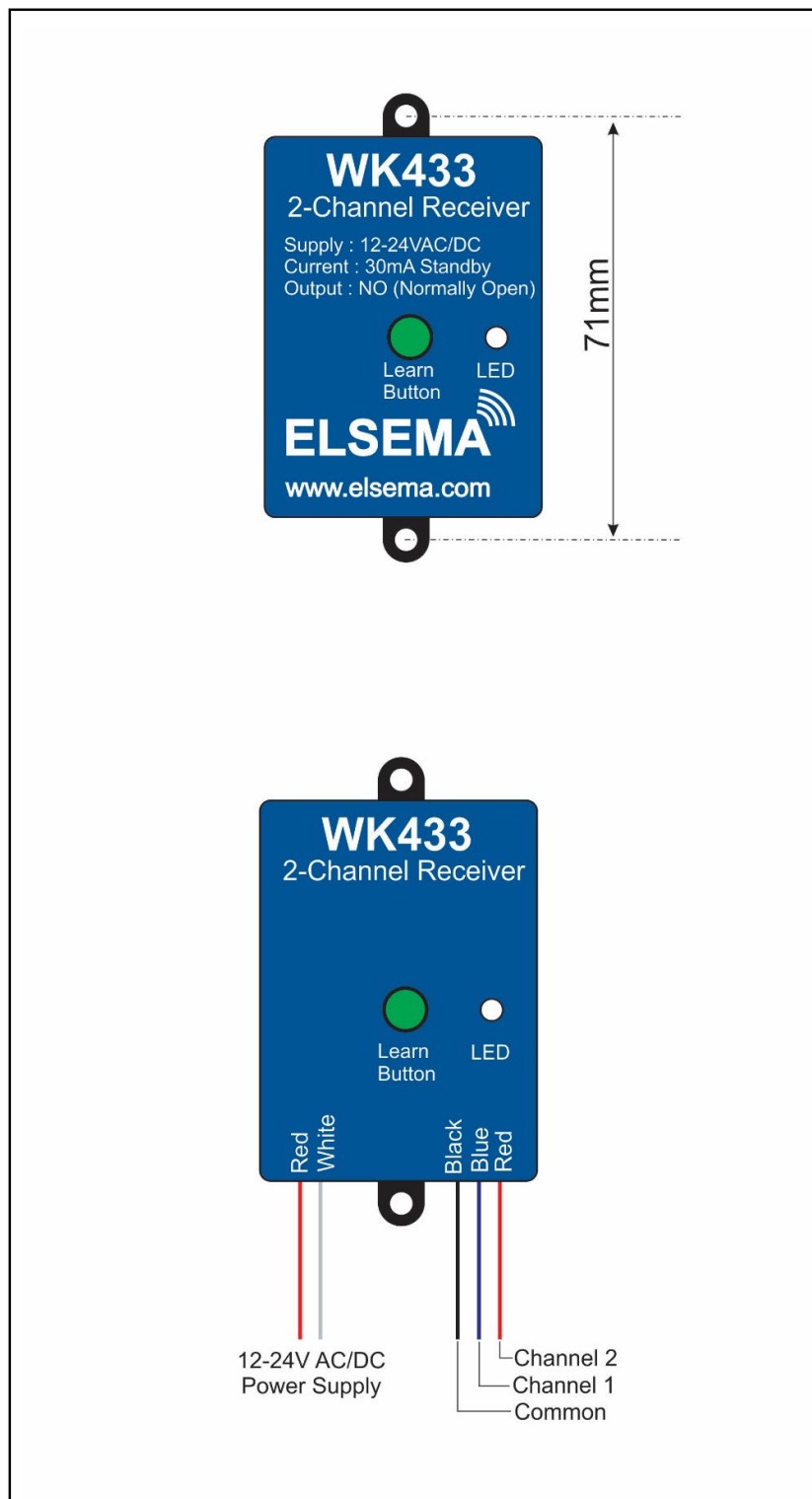
Installation

Program and test the keypad from the intended installation position prior to installation.

The installation of the keypad and the receiver should be such that it is as close as possible from each other. Try to avoid metal screening, thick walls or other radio emitting device in between the receiver and the keypad. The operating range can be reduced by up to 30% when the battery is low.



Receiver block diagram



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