

DIP-SWITCH KEYPAD



RCS-433CKPD

MANUAL
OF
INSTALLATION

Introduction

RCS-433CKPD Keypad is a codified radio keyboard operating at 433.92 MHz.

The best use of the product is on applications where a codified radio signal has to be used to control: gates, garage doors, rolling shutters, sun-blinds, anti-burglar appliances, lightings, etc. The code has a very high security coding system (19683 code combinations). The radio transmission is enabled only after the dialing of a security user code. There are up to 6 different channels that can activate up to 6 different receivers or relays. Compatible receivers: RCS-433DSR2LC, RCS-433BR2.

The internal memory can store up to 24 different security user codes and 1 Master code.

The product fully complies with Part. 15 of FCC Rules.

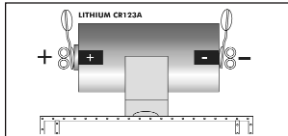
INSTALLATION

Technical Specifications

Number of keys:	12
Number of channels:	6
Supply:	3 Vdc
Battery duration:	about 36 months
Battery type:	Lithium CR123A
Current consumption:	20 mA
Operating frequency:	433.92 MHz
Modulation:	AM/ASK
E.r.p.:	6 mW
Security Code combinations number:	19683
User security code number:	24+1
Transmission duration:	until press / 2 sec.
Range in open space:	from 150 to 700 m
Operating temperature:	from 14 °F to 131 °F
Dimensions:	50.84*60.84*0.6mm
Weight:	2 oz
IP Protection Grade:	IP65

Battery Removal & Replacement

Remove the cover and extract the old battery from the bottom site of the electronic card with an upward traction. Insert the new battery on the battery location, respecting the right polarity.



NOTES: The keypad uses lithium battery type CR123A-S-3V. The removal and the disposal of the battery must be done before the disposal of the keypad and according to the current Regulations.

ATTENTION: Danger of explosion if the battery is not replaced in the correct way!

FCC ID: TG6T433CKPD

This device complies with FCC Rules Part 15
Operation is subject to the following two conditions:

- 1) This device may not cause harmful interferences;
- 2) this device must accept interference that may cause undesired operation.

Installation of Keypad

- 1 - Locate the best position for the fixing, avoiding metallic surfaces that could decrease the RF emission;
- 2 - Mark the location of the fixing holes using the bottom of the box as drilling template;
- 3 - Drill the fixing holes and insert the plugs;
- 4 - Remove the protection strip from the seal;
- 5 - Assemble the seal and the bottom;
- 6 - Fix the bottom with the screws supplied;
- 7 - Mount the cover on the fixed bottom;
- 8 - Fix the cover to the bottom with the 2 screws supplied.

Password

The keypad has a Master Password factory-set to "11111".

It is suggested that the Master Password be changed to avoid miss-use of keypad.

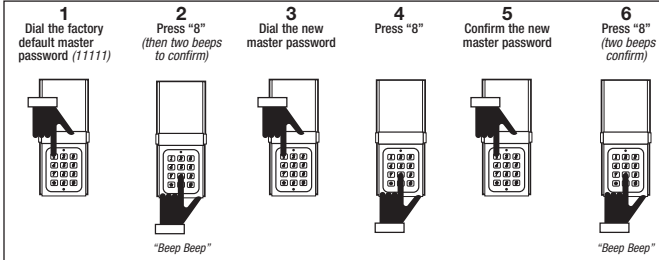
The Master Password and the User code can have up to 5 digits. If the chosen code is shorter than 5 digits, then a '#' must be pressed after the last digit, to complete the number, as indicated below:

_ Example 1 : User code 123 : Digit 1, 2, 3, #.

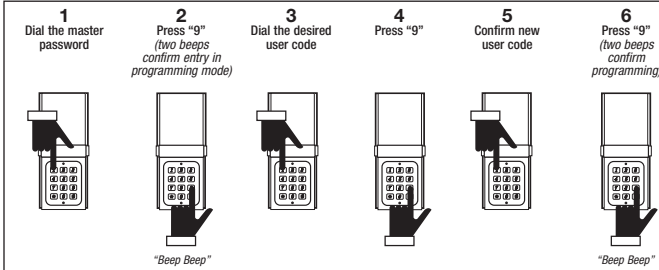
_ Example 2 : User code 1234 : Digit 1, 2, 3, 4, #.

- the master password does not need to be changed to enter programming mode. If the end user would like to keep the password at the factory default they can, although not recommended.
- If at any time the user dials a wrong code there will be a distinct LONG beeeeeep to let the user know they have pressed something wrong and need to start over.
- If the user presses the * key twice it will clear the keys dialed and the user can start over.
- When memorizing the dip-switch setting on the receiver this process learns the keypads' specific security code/dip-switch setting and not just the user code. After this process is done all the user codes that are in the keypad will activate the respective relay that the security code/dip-switch setting was learned to.

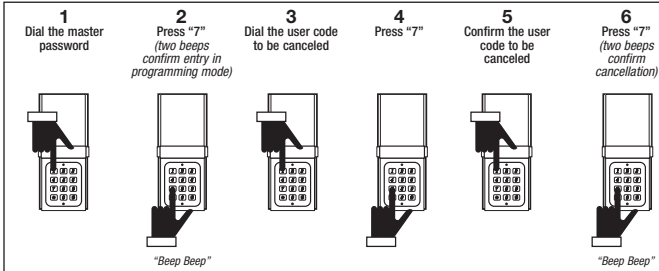
Master Password Replacement



New User Memorization Procedure

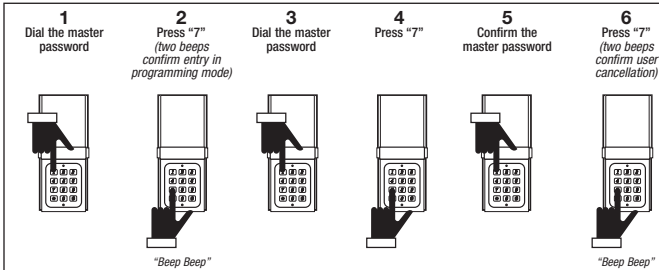


Single User Cancellation Procedure

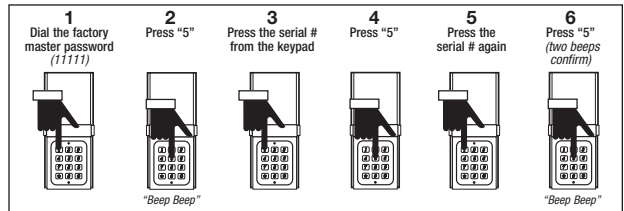


WARNING: All user codes will be deleted after this procedure.

All User Cancellation Procedure



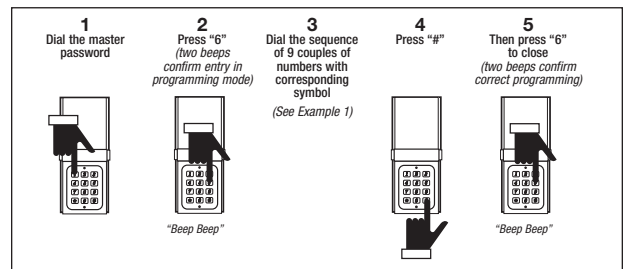
Master Password Reset



Memorizing Keypad Dip-Switch Setting on Receiver

- 1 Press relay (1, 2, 3 or 4) learn button on receiver until LED is lit on receiver.
- 2 Release receiver button and while the LED is lit on receiver press the user code on keypad and leave last digit of user code press for 2 sec.
- 3 Receiver LED will blink to confirm keypad dip-switch setting memorization.

Security Code Setting/Dip-Switch Setting



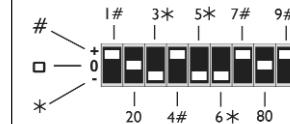
Example 1 – Dip-switches of a Tx already programmed on the receiver: +, 0, -, +, -, -, +, 0, +.

STEP 1: Dial the "Master Password"

STEP 2: Press "6"

STEP 3: Enter Sequence: "1#", "20", "3*", "4#", "5*", "6*", "7#", "80", "9#"

STEP 4: Press "#" then "6"



WARNING: All the keypads are sold with the default security code: "000000000"

It is highly advised to customize the code!

NOTE: You can modify each individual dip-switch setting at a time if desired;

Example 2 – Change dip-switch 2 from "0" to "#".

STEP 1: Dial the "Master Password"

STEP 2: Press "6"

CHANGE

STEP 3: Dial only "2#"

STEP 4: Press "#" then "6"

Special Functions

The "*" key will cancel the last command.

WARNING: "Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment".



GUARANTEE

Warranty period: 12 months from the production date placed inside. In this period if the keypad has any malfunction due to defective component, it will be repaired or replaced by the manufacturer. The warranty doesn't cover the plastic box.

The assistance will be performed at the factory in Phoenix, AZ.