DOORHAN® KEYPAD INSTALLATION MANUAL

1. DESCRIPTION

The radio code numeric pad KeyPad is compatible with built-in and external DoorHan receivers and used to remotely control electronic devices. Radio commands may be given only after a sequence of numbers from 0 to 9, which is an access code (PIN-code), is entered, factory preset is 0000. If the sequence is right, the keypad will produce short sound. Now you may use 2 different radio channels to control 2 different devices. After pushing any key you will hear a short sound. After first pushing a key the keyboard will be active for 3 sec, (LEDs will light), within this time you can enter a PIN-code to control the electronic device. When this time is up, the keypad will be off (LEDS will go out) and you will have to push the key again to activate the keypad. The system allows pushing the keys 8 times maximum before it activates the guard status for 3 min. When guard status is active you may not enter the code and every pushing the keys will produce an error signal (4 successive sounds). The PIN-code may be reentered only in 3 minutes.

Important! After you change the factory preset PIN-code for an individual one, we recommend you to write down your new PIN-code and save it for emergency use.

2. TECHNICAL DATA

Frequency	433 MHz
Battery	2 × 3 V, Maxell CR2032
Power supply *	12/24 V
Power consumption	< 2 µA
Protection rating	IP54
Temperature range	−20 to +55 °C
Illuminated keypad with LEDs	
Audible feedback	
2 radio channels, programmable input codes of one to eight digits (PIN-code)	
1 direct command	

* If it is impossible to use Maxell batteries you can connect the device to an external power supply via CN1 therminal.

3. INSTALLATION

1. Open the keypad cover.
2. Remove the button panel with a screw driver.
3. Screw out four screws and remove the upper housing of the keypad.
4. Put the base housing against the selected location on the wall and make 4 marks to drill holes for the keypad installation.
5. Drill 4 holes and install the base housing to the wall.
6. Assemble the keypad in reverse order.

4. PROGRAMMING

1. PIN-code resetting (factory preset —0000)
Press both Key "*" and Key "#" for about 5 seconds till the red light flashes slowly. Input the former code and press Key "#", the red light will flash quickly. Now input the new code and press Key "#", the red light will be on for 2 seconds and then go off. Now the code has been reset.
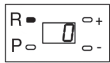
2. PIN-code deleting (recovery of the factory preset)
Press both Key "*" and Key "#" for about 5 seconds till the red light flashes slowly. Then press and hold Key "SW1" on the other side of the keypad till the LEDs go off. The factory preset has been recovered (0000).
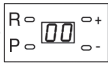
5. RECORDING OF THE KEYPAD CODE INTO A RECEIVER

It's possible to record two keypad codes: one into a DoorHan receiver (for sectional operators), another one — into external DHRE-1(2) receiver.

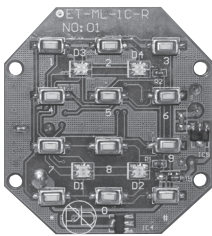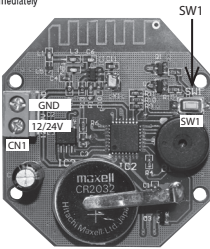In order to record the keypad code into DoorHan receiver, do the following:

Press "R"

"0" will be shown on the left side of the display, and disappears immediately

Then inter the PIN-code and press key "*" or "#". action to perform 2 times

Front side   Other side

In order to record the keypad code into external DHRE-1(2)receiver, do the following:

Connect the electric operator control contacts to the outputs of the radio receiver. To record the keypad PIN-code (button "*"), press button "SW1" (code record), at that indicator LED1 on the receiver will light up. After that enter the PIN-code and press Key "*", action to perform 2 times.

To record the keypad PIN-code (Key "#"), press button "SW2" (code record), at that indicator LED1 on the receiver will light up. After that enter the PIN-code and press Key "#", action to perform 2 times.

To clean the receiver memory, press and hold down button "SW1" or "SW2" respectively until the indicator LED1 turns off.

Note. To control the first device, enter the PIN-code on the keypad and press Key "*". To control the second device, enter PIN-code on the keypad and press Key "#" (the PIN-code is the same for both devices).