

LockMaster™

Wireless Keypad

Model: LM105

Programming and Operating Manual Instruction



NOTE: Please read this manual carefully before install and use

Introduction

Thank you for purchasing the Wireless Keypad (LM105). It will bring you great pleasure and convenience while you use it to operate Swing Gate Opener LM902/LM901 or/and Sliding Gate Operator DSC600/1000, DSR600/1000 and SCG18H/21H. Be sure to read the manual carefully and completely before you permanently mounting the keypad, please program the keypad and test its range.

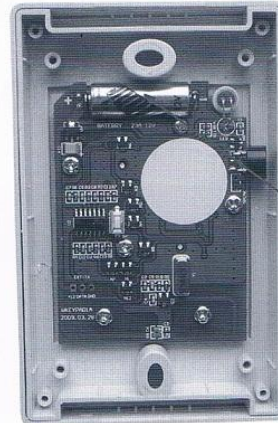
Keypad Description



Status Light

This LED will blink once when any key is pressed and provides visual feedback during access code programming

Enter Button (Bell Button)




Battery Holder


Use 1×23A(12V) battery



NOTE: 1×23A(12V) battery is required to power the keypad

USE FOR LM902/LM901

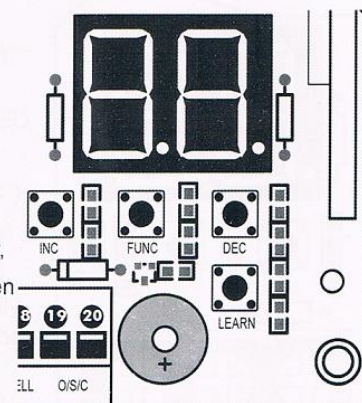
“Learn” Transmitter code

Make sure the control board of the LM902/1 is power on and in standby mode (LED flashes “” (“- -”).


Step 1. Press and release “LEARN” button and then LED will display “” (“Ln”).

Step 2. Press “ENTER” button (“BELL” button) on the Keypad LM105 once to learn the keypad. Once the keypad has been learnt successfully, LED of the control board will flashes “” (“Ln”) for 2 seconds and then flashes “” (“- -”) again.

Now you can use the factory default password “888888” to operate the gate opener (Refer to the chapter “HOW TO OPERATE LM 902/901” in manual).



Control Board of LM902/1

NOTE: Once LED displays “” (“Ln”), you must press the “ENTER” button (“BELL” button) on the wireless keypad within 1-2 seconds to learn the transmitter code, or you may have to start over.

How to Operate LM902/LM901

Once the keypad LM105 has been learnt successfully, you can use default code to operate the gate.

1. When the gate stops in some position and the opener is in standby mode, you can make it to move via the following steps:

Step 1. Press and release "*" button on the keypad LM105 and then enter the 6 digits entry code.(factory default entry code is "888888")

Step 2. Press the "ENTER" button("BELL" button) within 1 second after step 1 to move the gate.

2. You can press the "ENTER" button("BELL" button) at anytime to stop the moving gate.(Entry code is not needed).

NOTE: The keypad LM105 face will light up and the beeper will beep at the press of any key. When you enter the entry code, each button should be pressed within 1 second. If an error has occurred, status light will appear and beep will sound for 2 seconds before returning to normal operation. Please try again.

NOTE: If the Keypad LM105 is installed outside of the gate to open the gate, and no Keypad is installed inside of the gate, we strongly recommend you set the auto-close function in circuit board in control box. Refer to Installation and Operation Manual page 23.

Programming the new entry code

For safety reason, you may change the factory default entry code or old entry code to your new code but the keypad must be learnt successfully with control board of swing gate opener before you try to change the entry code.

Make sure the control board of the LM902/1 is power on and in standby mode (LED flashes "CH"("- -)").

Step 1. Press and release "*" button on the keypad LM105 and then enter the 6 digits default or old entry code. (factory default entry code is "888888")

Step 2. Press and release "# " button on the keypad LM105, "CH"("CH") will display on the LED of the control board.

Step 3. Enter your 6 digits new entry code and press "# " button to store it. The entry code has been updated successfully while "CH"("CH") flashes for 2 seconds on LED of the control board.

NOTE: Every step for pressing button during program must be finished within 1 second to ensure successful program.

USE FOR DSR/DSC 1000/600

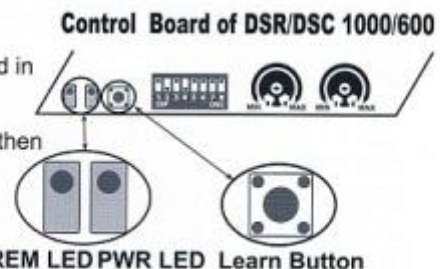
"Learn" Transmitter code

Make sure the control board of DSR/DSC 1000/600 is power on and in standby mode (PWR LED is on and REM LED is off, gate is stop).

Step 1. Press and release "Learn" button of the control board, and then REM LED will be on.

Step 2. Press the "ENTER" button("BELL" button) once on the keypad LM105 to learn the transmitter code. If the keypad has been learnt successfully, the REM LED will flash for 2 seconds and then back to off. Now you can use the factory default code to operate the gate (Refer to the chapter "HOW TO OPERATE DSR/DSC 1000/600" in manual) .

NOTE: The "ENTER" button should be pressed within 1 second after step 1, or you may have to start over.



How to Operate SCG-18H/21H

Once the keypad LM105 has been learnt successfully, you can use default code to operate the gate.

1. When the gate stops in some position and the operator is in standby mode, you can make it to move via the following steps:

Step 1. Press and release "*" button on the wireless keypad and then enter the 6 digits entry code.(factory default entry code is "888888")

Step 2. Press the "ENTER" button("BELL" button) within 1 second after step 1 to move the gate.

2. You can press the "ENTER" button("BELL" button) at anytime to stop the moving gate(Entry code is not needed).

NOTE: The keypad LM105 face will light up and the beeper will beep at the press of any key. When you enter the entry code, each button should be pressed within 1 second. If an error has occurred, status light will appear and beep will sound for 2 seconds before returning to normal operation. Please try again.

NOTE: If the Keypad LM105 is installed outside of the gate to open the gate, and no Keypad is installed inside of the gate, we strongly recommend you set the auto-close function in circuit board in control box. Refer to Installation and Operation Manual page 14.

Programming the new entry code

For safety reason, you may change the factory default entry code or old entry code to your new code but the keypad must be learnt successfully with control board of sliding gate operator before you try to change the entry code.

Make sure the control board of SCG-18H/21H is power on and in standby mode (PWR LED is on and REM LED is off, gate is stop).

Step 1. Press and release "*" button on the keypad LM105 and then enter the 6 digits default or old entry code.(factory default entry code is "888888")

Step 2. Press and release "# " button on the keypad LM105, REM LED of the control board is ON waiting for user to input the new entry code.

Step 3. Enter your 6 digits new entry code and press "# " button to store it. The entry code has been updated successfully while REM LED flashes for 2 seconds on control board.

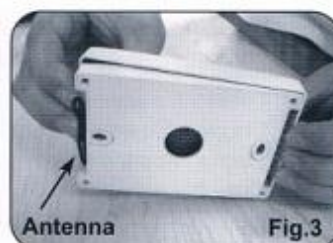
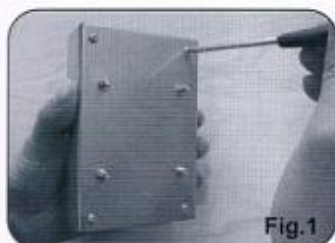
NOTE: Every step for pressing button during program must be finished within 1 second to ensure successful program.

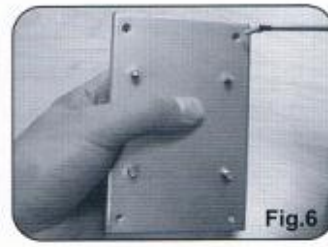
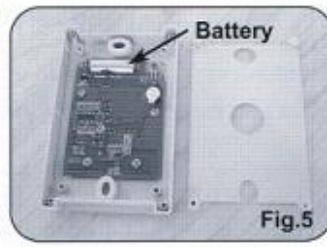
How to change the battery of Keypad (LM105)

Step 1: Loosen the screws with cross screwdriver.

Step 2: Uncover the front cover and back cover of keypad, replace the battery.

Step 3: Restore the back cover and front cover, install the keypad in the box with cross screwdriver. Ref to the Figure 1~6.



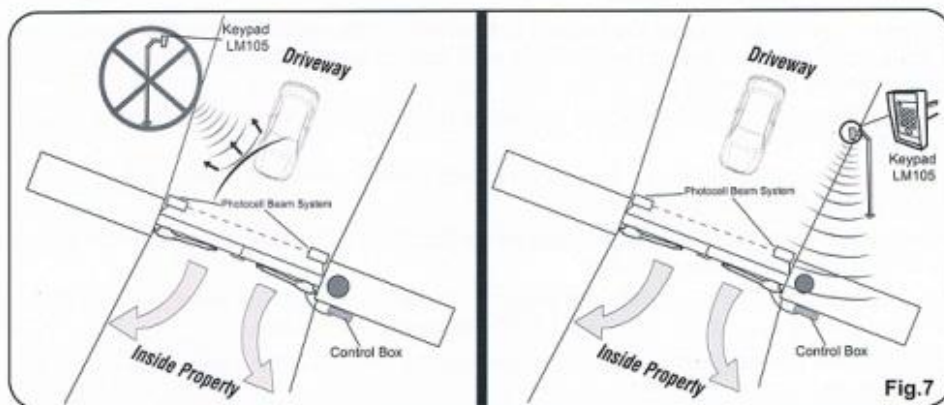


Mounting position suggested

The wireless keypad LM105 should be installed outside of the property (Pull to Open) and on the same side of the driveway where the control box is installed. The distance between the keypad and control box should not exceed 5 meters.

If the keypad is installed on the opposite side of the driveway, the keypad operation maybe interfered by the electromagnetic waves from a passing vehicle.

Refer to the Fig.7.



NOTE: We suggest you use the wired keypad (LM106/LM106M) take place of the wireless keypad for installation in the locations where the frequency interference is restricted, nearby airport for example or the control box is installed far way from the gate operator (father than 30' or 10 meter).

How to increase the control distance of keypad

The designed remote range of the Keypad is 5~10 meters. If you find that the Keypad is not sensitive enough in on-site installation, we suggest you enhance the remote range by the following method.

Step 1: Loosen the screws with cross screwdriver.

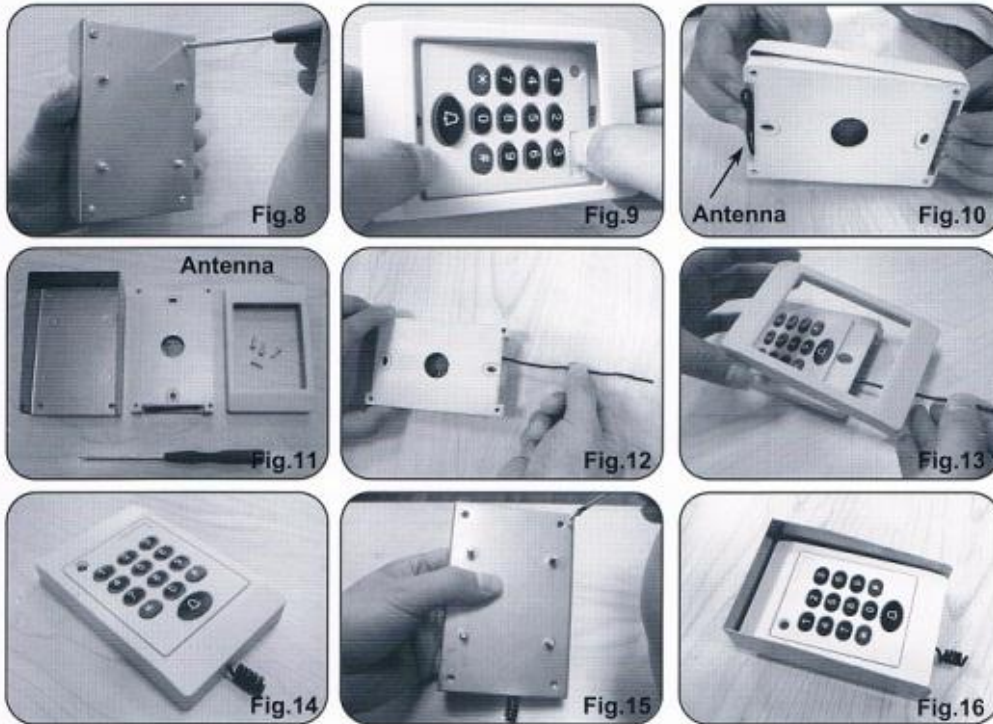
Step 2: Uncover the front cover and back cover of keypad.

Step 3: Please draw the antenna straight.

Step 4: Draw the antenna through the hole in the bottom of the front cover, restore the front cover. It's better to curl up the antenna for good looks.

Step 5: Install the keypad in the box with cross screwdriver

Ref to the Figure 8~16.

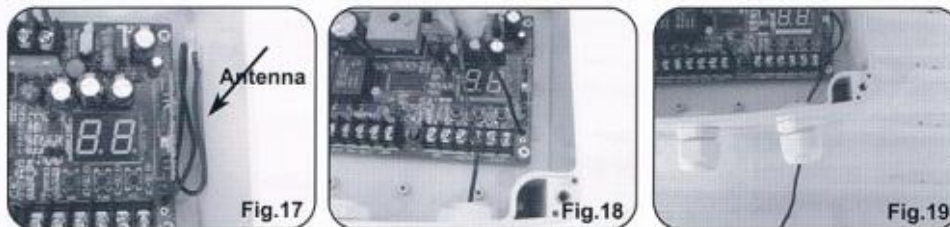


If the remote range is still short of your requirement, try the following steps.

Step 1: Open the control box, the black color antenna can be found in the side of PCB.

Step 2: Draw the antenna straight and pull it through the cable hole in the bottom of the control box.

Ref to the figure 17, 18 and 19.



Trouble Shooting

1. Fail to learn the transmitter code.

- Check if the battery is exhausted.
- Re-learn the keypad anear the control board.
- Once the control board is ready to learn the keypad, press the "ENTER" button within 1 second.

2. Fail to operate the gate with keypad.

- Check if the battery is exhausted.
- The distance is too far to use the keypad (Refer to the chapter "How to increase the control distance of keypad").

3. Forget your own entry code.

Re-learn the keypad according to the manual. The entry code would be "888888" if the keypad has been learnt successfully.