

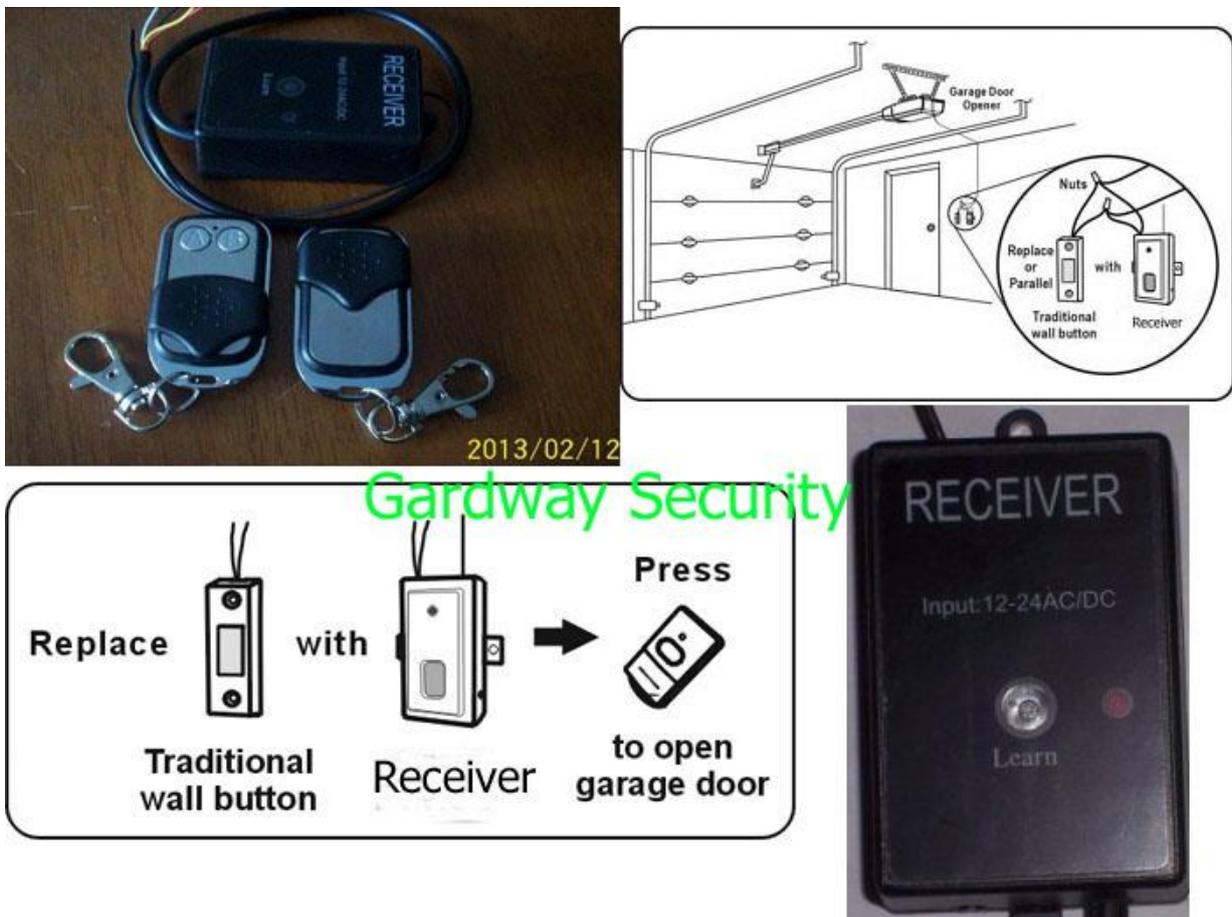
# Gardway Security Products

## User Manual

Wireless RF Receiver Module & Remote key fob Control DIY Kit  
(Input 12VDC~24VDC/AC)

Universal Compatible  
One Step Easy Installation

Model: PKAll



### 1. Overview

The Universal Wireless DIY Kit is designed to provide a convenient OPEN/CLOSE Control for the Garage door and electronic automation gate.

It is suitable for replacing existing remote unit if you have lost the original hand unit or those hard to get the old remotes.

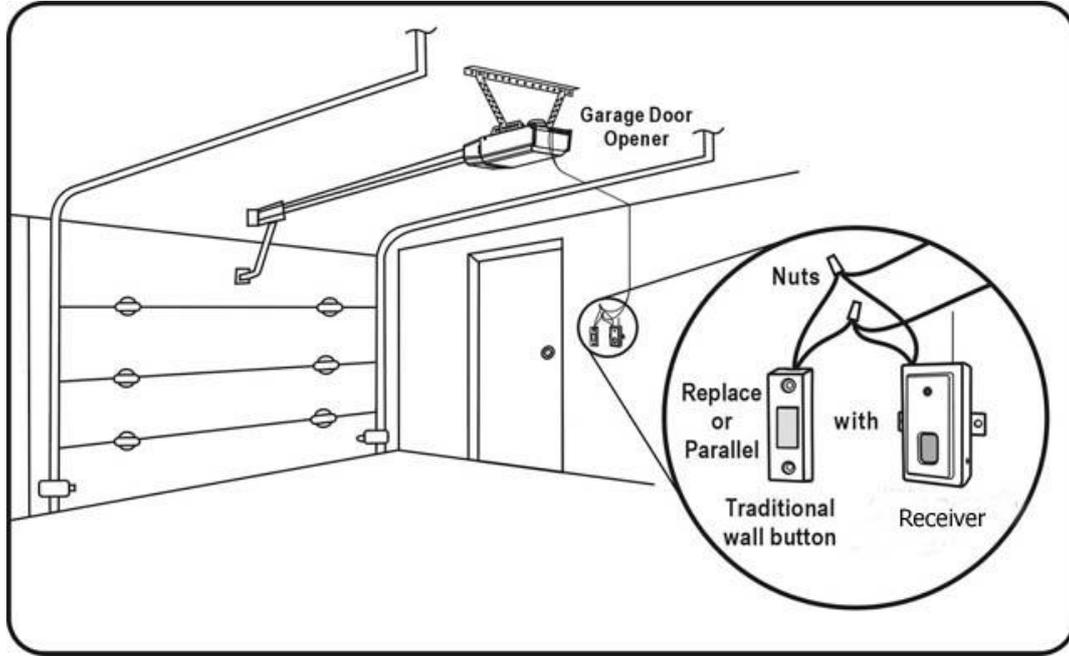
This Remote keyfobs and add-on receiver can be used to replace any manufacturer's remote as long as there is an "Emergency" switch or wired "Exit" in door switch (normal situation). It allows the existing remotes to operate in parallel too.

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Based on Learning code technology. The unit has very high security, long range and the remote runs off cells for long life.

All of operators or openers can supply power 12~24VDC/AC, so you don't get supply from other Power Adaptor.

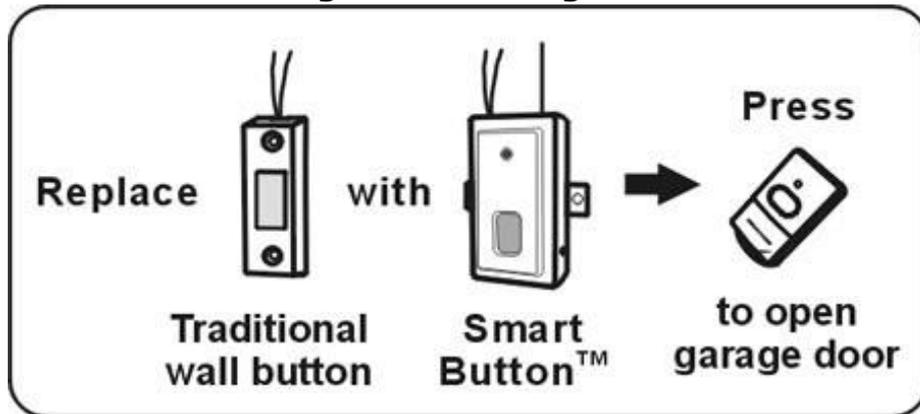
It's easy to install and use, it lets you take control of your gadgets, home and gate or garage.



### 2. Features:

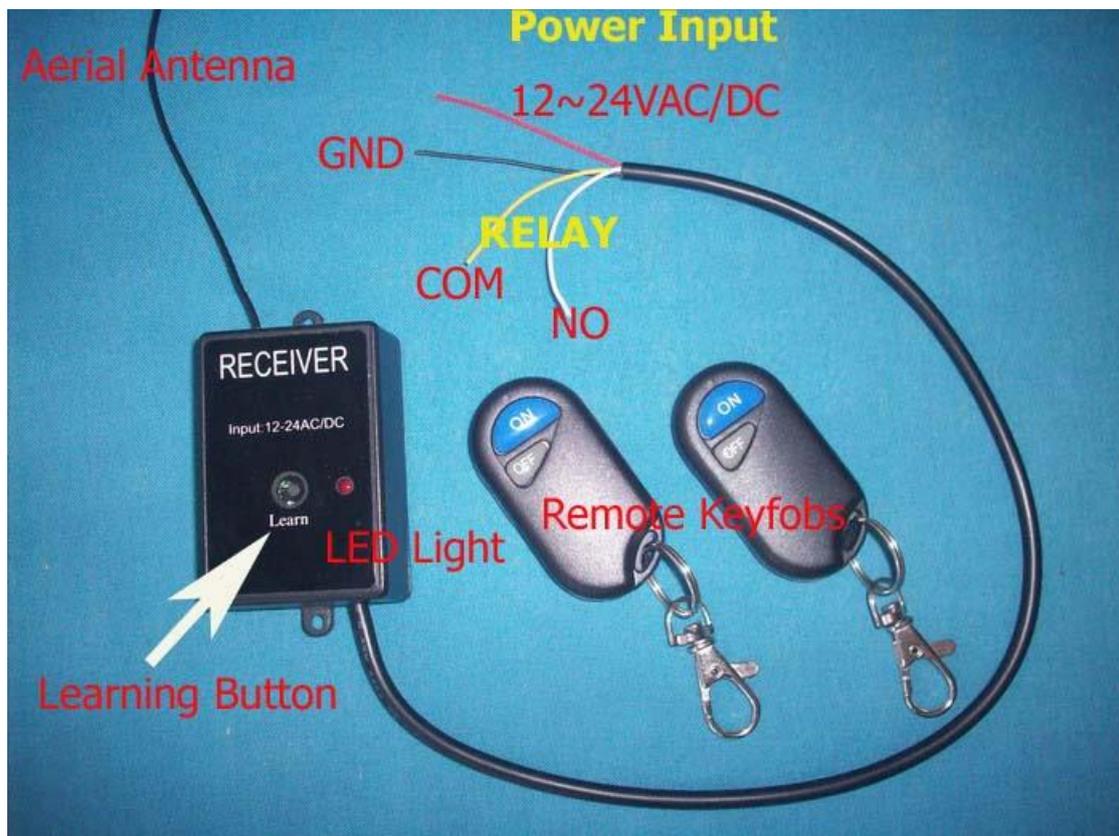
- 1) Simple installation;
- 2) Learning code, easy to encode;
- 3) Impossible to copy by thief (smart code blocking)
- 4) Wireless Control;
- 5) Remote keyfob, water-proof;
- 6) Compact Size Remote Controls;
- 7) Input: 12VDC~24V DC/AC;
- 8) Wireless Control;
- 9) Remote keyfob, water-proof;
- 10) Compact Size Remote Controls;
- 11) Distance: 100 Meters;
- 12) Frequency: 433MHz;
- 13) Relay Output: Voltage-free NO, Com.
- 14) Size: Receiver Unit 60 x 40 x 24 (mm), Remote Keyfob 55 X 28 X 9 (mm).

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### 3. Specifications:

- 1) Range: 100 meters;
- 2) Input: 12~24VDC/AC
- 3) Channels: 1
- 4) Signal coding: 4 bits
- 5) Static current: = 6mA
- 6) Sensitivity: > = -95dB
- 7) Frequency: 433 MHz
- 8) Working modes: Momentary



### 4. Wiring Connection

- 1) Power Supply  
\*BLACK WIRE: GND;

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\*RED WIRE: 12V~24V DC/AC.

2) Relay Output

\*YELLOW WIRE: Com (Relay Com) or NO (Relay Voltage-free Normally-Open Contact);

\*WHITE WIRE: NO (Relay Voltage-free Normally-Open Contact) or Com(Relay Com).



### 3) Garage or Automation Gate

#### 3.1) For automation Gate Operator (Slide or Swing)

\*NO (Relay contact, no polarity) on Receiver wiring to OSC (Start or Open/Start/Close) terminal on PCB of Motor;

\*Com (Relay Com, no polarity) on Receiver wiring to Com terminal on PCB of Motor.

#### 3.2) For Garage Door Opener

\*NO (Relay contact, no polarity) on Receiver wiring to Door Control Button Terminal on the PCB of Opener;

\*Com (Relay Com, no polarity) on Receiver wiring to Com Terminal on the PCB of Opener.

Usually speaking, it's more convenient and nice for you to put the receiver on the back of the opener.

Note: The aerial cable should be extended for remote range.

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## 4. Keyfobs encode and cancel

When power on, LED light on receiver turns on.

### 1) Learning Encoded for keyfobs

Click the Learning-button you can find on the receiver, the LED light on the receiver turns off, then you click the one button of keyfob which you want to use to control the receiver, the LED light turns on. Click the button again, LED light flashes 10 times. It's Ok when LED light turns on.

### 2) Cancel Encoded for keyfobs

Push the Learning-button on the receiver, The LED light turns off, continue to hold it for over 5 seconds until LED light on, then remove all the encoded.

Factory default, remote keyfobs have been encoded.

## 5. Application:

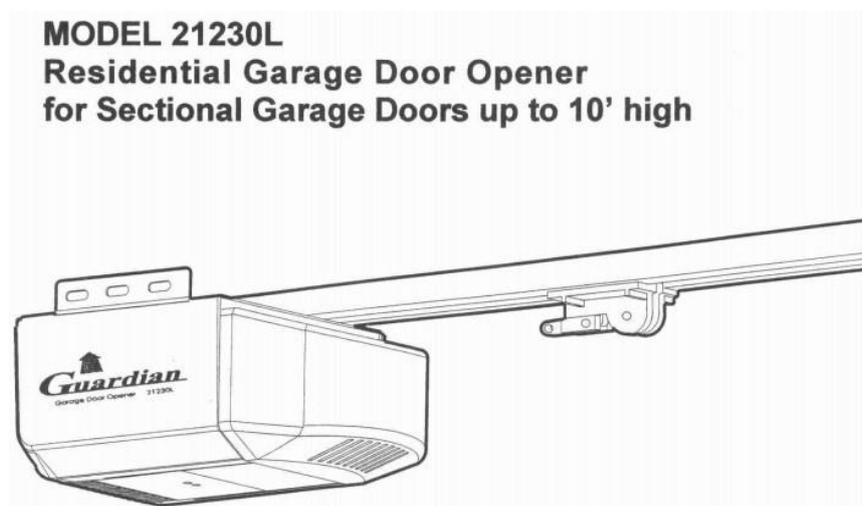
- 1) Garage Door, Electronic Automation Gate sliding or swing, Alarm, Control.
- 2) Suitable for Garador, AHI, Merlin, MotorLift, Cham-berlain, Guardian, Dominator etc.
- 3) Home Electrical appliances.

## 6. What includes:

- 1) Remote keyfob (2 button) with Batteries x 2;
- 2) Receiver Unit x 1.

## 7. Examples of Wiring for Garage Door

### 7.1) Garage Door Opener: Guardian 21230L



### 7.2) The back of opener

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## 7.3) Screw Terminals



Terminals 1, 2 -- PHOTO EYE

Terminals 2, 3 -- PUSH BUTTON

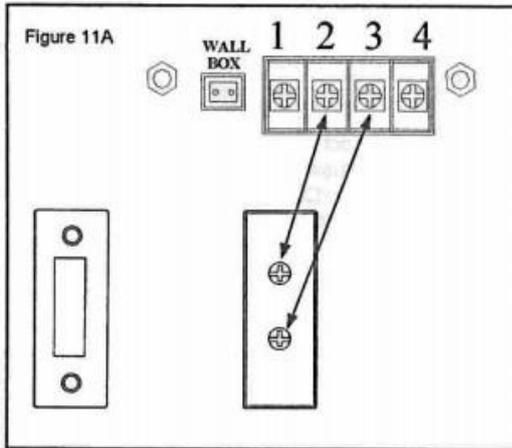
Terminals 2, 4 -- 24 VOLTAGE DC

Terminal 2 = GND

Terminal 4 = 24VDC +

## 7.4) Wall Push Button

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## Step 8:

### Installing the Standard Wall Push Button

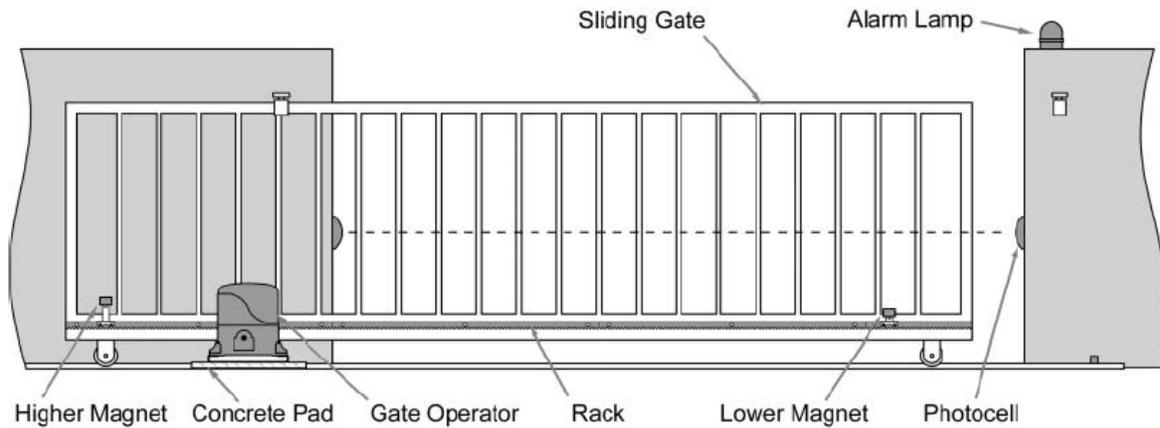
Remove about 6mm of insulation from both ends of the 2 strands low voltage bell wire. Connect one end to both screw terminals on the back of push button. Select a convenient place near an access door, 1.5M ft from the floor and out of reach of children, for mounting. (2) Screws supplied. Run bell wire up the wall and across to the opener. Secure with insulated staples. Attach to Terminals 2 & 3 Figure 11A.

## 7.5) Wiring for Remote Kit

Remote Kit	Opener	
<i>Receiver Unit</i>	<i>Terminal</i>	<i>Note</i>
	1	
Black, Yellow	2	GND
White	3	
Red	4	24VDC

## 8. Examples of Wiring for automation Gate

### Installation Overview



### 8.1) Automation Gate LOCKMASTER SFG18H/SFG21H

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***LockMaster™***

**Sliding Gate Operator  
User's Manual**

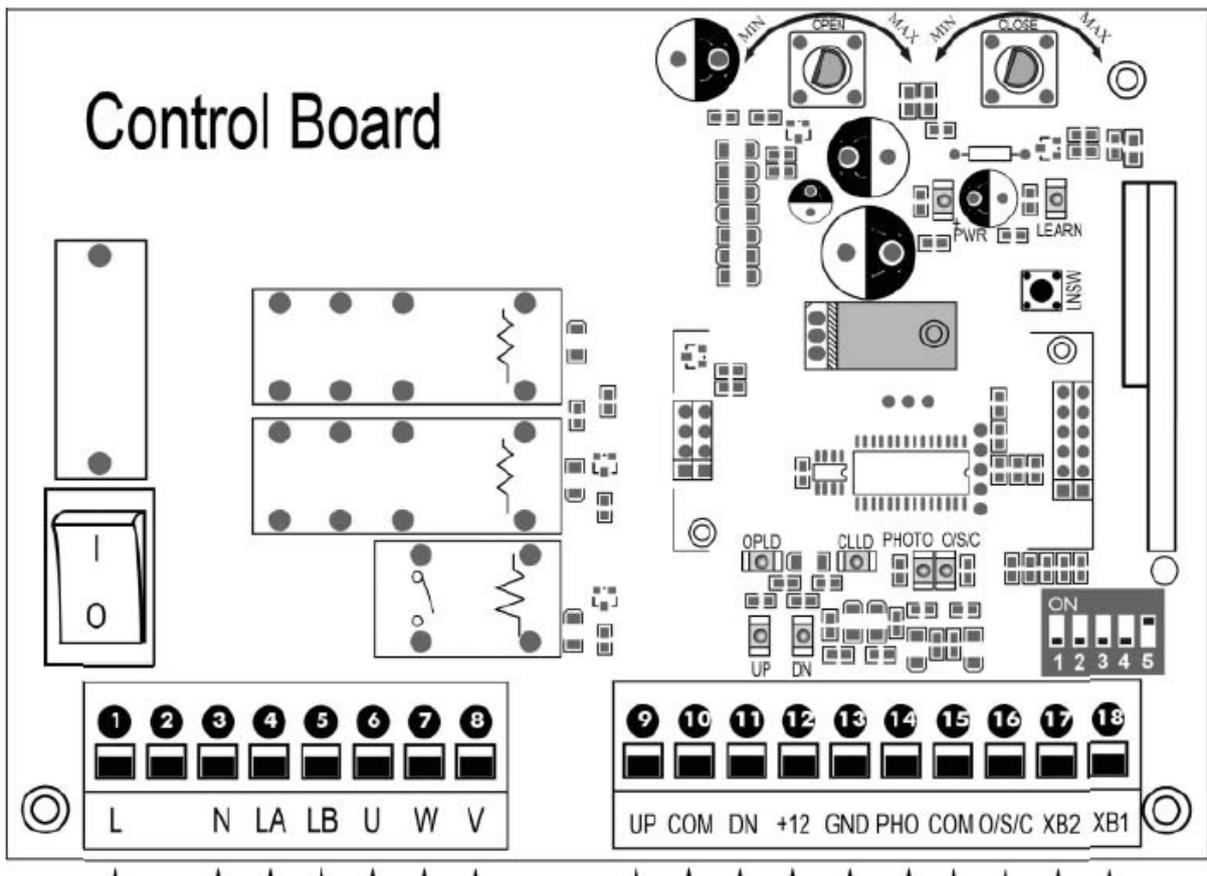
**Model:**

**SFG 18H/21H**

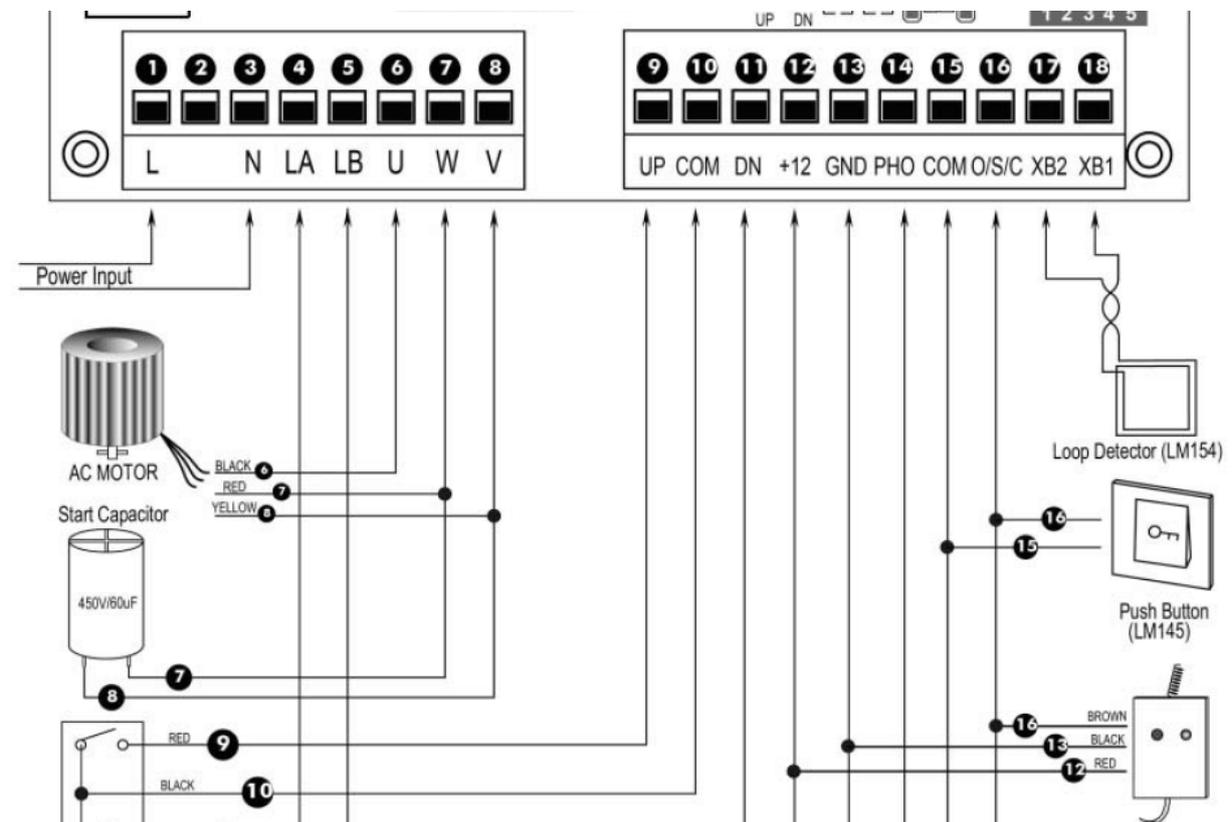


**8.2) Control Board PCB**

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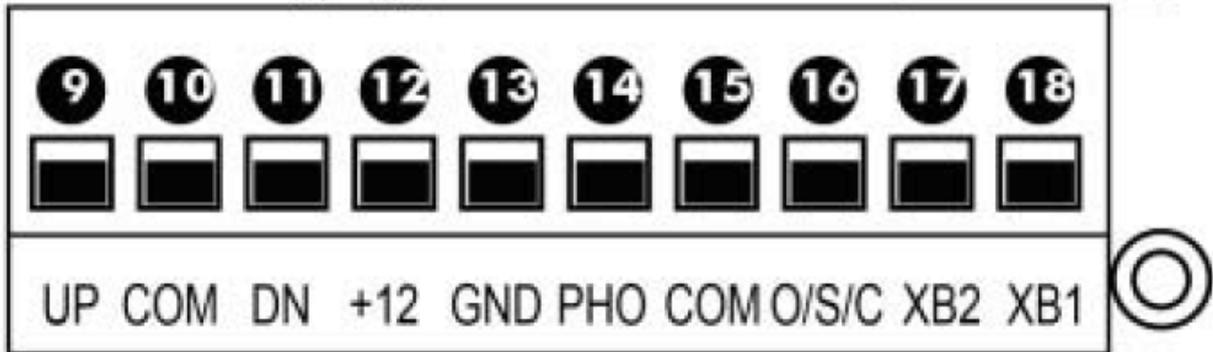


## 8.3) Wiring Terminals



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### 8.4) Wiring Connections



Terminal 12: +12V

Terminal 13: GND

Terminal 15: COM

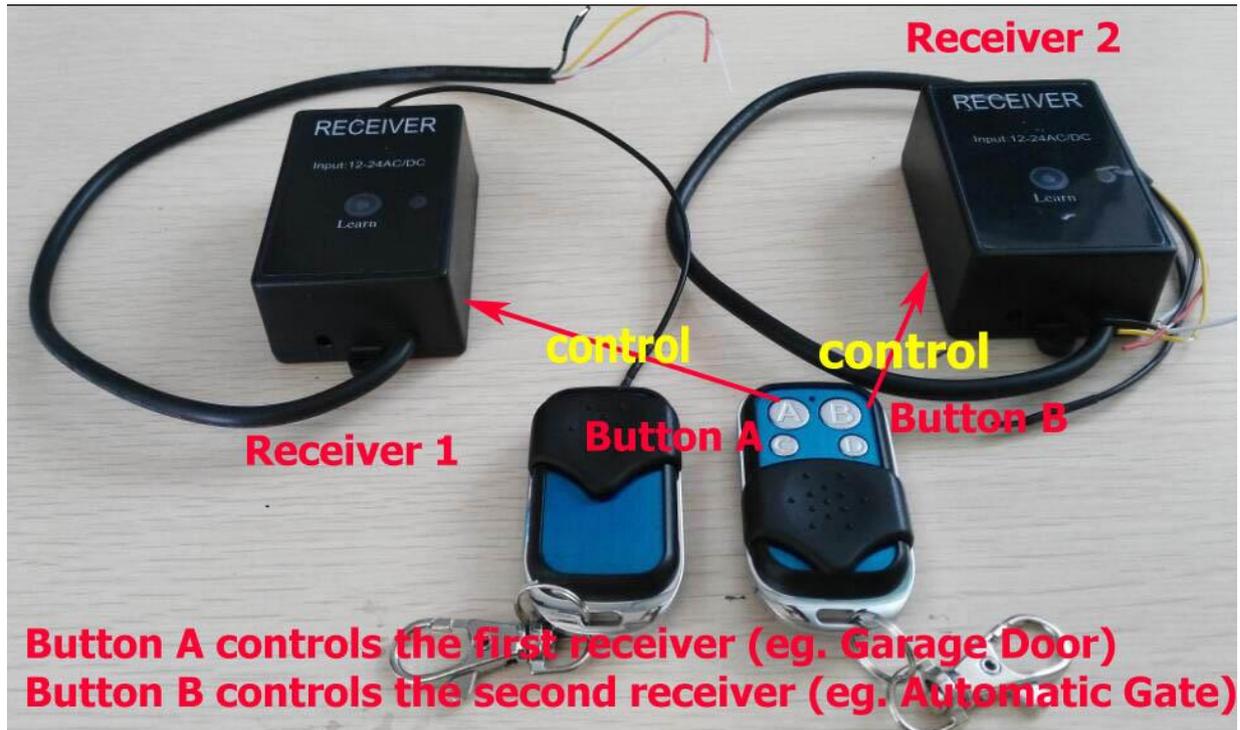
Terminal 16: O/S/C

REMOTE KIT	CONTROL BOARD	
Receiver Unit	Terminal	Note
Red	12	+12V
Black	13	GND
White	15	COM
Yellow	16	O/S/C

### 9. NOTE:

- 9.1) The wireless remote control & receiver kit with 2/4 buttons can also control 2~4 outputs independently, so you can use the same one remote control with 2/4 buttons to control 2~4 devices (e.g. Automation gate, Garage door, alarm etc.).

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9.2) Specifications are subject to change without notice.

9.3) All the products mentioned above are their trademarks of their respective owners.