

Wireless Lock Switch

Installation Guide

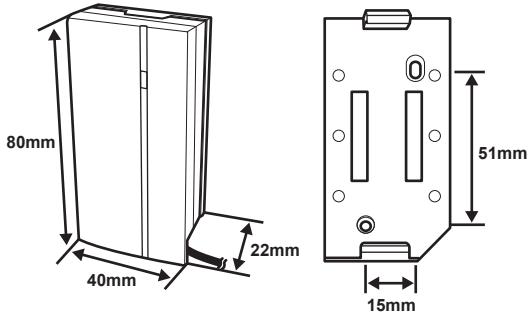


Overview

Name: Wireless Lock Switch

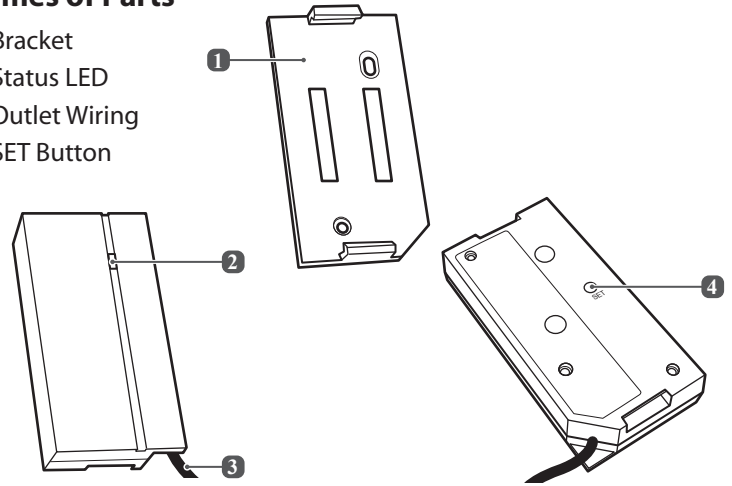
Power: 12 VDC

Dimension: 40 x 80 x 15 mm (w/o bracket)
40 x 80 x 22 mm (w/ bracket)



Names of Parts

1. Bracket
2. Status LED
3. Outlet Wiring
4. SET Button



Features

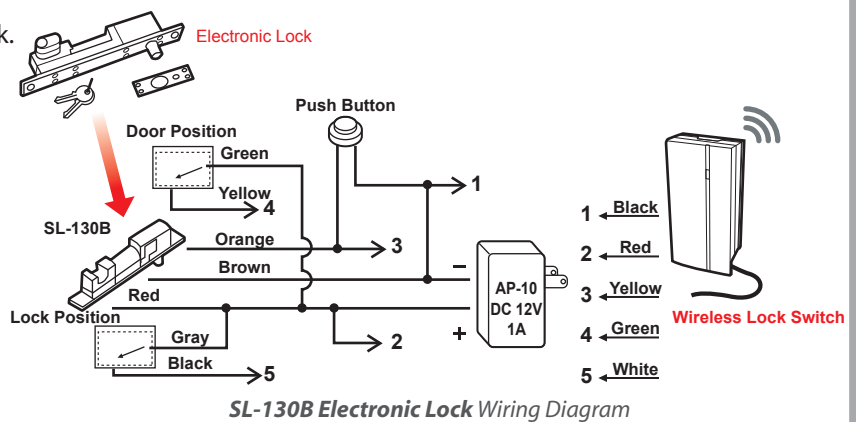
- ❖ Ability to send a third party lock status to the Gateway for monitoring and opening the door remotely.
- ❖ Design to control an industrial standard of the third party electronic lock (12VDC) via dry contacts (2 DI / 1 DO).
- ❖ Easy Setup – simply press the **SET** button on the device to join the system.
- ❖ Easy Installation - just attach the device by its magnet to the iron distribution box, or mount the bracket to a pole with ties.

Installation

Device Binding

1. Power on the device.
 2. Connect the wiring pin of the third party electronic lock.
- The illustration on the right shows the description of integration and wiring method:

- ⇒ Wire 1 (Red): DC +12V Power Input
- ⇒ Wire 2 (Black): Common
- ⇒ Wire 3 (Yellow): Open Collect Digital Output - 15V / 120mA (maximum)
- ⇒ Wire 4 (Green): Open/Close status - 0V, 12V DC Level input (active high)
- ⇒ Wire 5 (White): Lock/Unlock status - 0V, 12V DC Level input (active high)



Model	6-PIN (SL-130A/SL-130B)	Model		3-PIN (SL-130B ONLY)
Color		Type and Color		
Brown	GND	Fail secure	Purple	Lock Position Sensor (N.C.)
Red	+DC12V		Gray	Lock Position Sensor (COM)
Orange	Push Button		Black	Lock Position Sensor (N.C.)
Yellow	Door Position Sensor (N.C.)	Fail safe	Purple	Lock Position Sensor (N.C.)
Green	Door Position Sensor (COM)		Gray	Lock Position Sensor (COM)
Blue	Door Position Sensor (N.O.)		Black	Lock Position Sensor (N.C.)

3. Short press the **SET** button at the back of the Gateway or Router (another Power Switching). Then short press the **SET** button on the device.

The Gateway/Router and the device are joining as both LED indicators blink (around 15 seconds). Wait for few seconds until both LED indicators are turned off, indicating the device binding process is successful.

Note: If the device binding process is failed, both LED indicators on those joined devices will light red once after blinking.

4. Mount the bracket on the wall.

Device Deletion

To remove the device binding, press the **SET** button for 5 seconds. The LED indicator blinks green and then turns off. After few seconds, the LED indicator blinks red, and then turns off again, indicating the deletion process is complete.

Notice

❖ Design to control an industrial standard of the third party electronic lock (12VDC).

Troubleshooting

Problem	Solution
The LED indicator lights red when linking to the system.	a. Make sure the power and wires' connections are properly connected. b. Reset to factory default, and re-join to the system. c. If the problem persists, please contact your local distributor.
Cannot link to the system.	Check the wireless signal and the distance between device and Gateway/Router (line of sight) is 50 meters (max.). If there is any obstructions (i.e. walls or metal objects) between the devices, the distance will be shorter. Users can move the device closer or add a Router, then try again.

Specifications

Wireless Lock Switch	
Electrical Specifications	
Transmit Frequency	2.4GHz ISM band, IEEE802.15.4: 2405 ~ 2480MHz
Operation Range	Up to 50 meters (LOS)
Operating Voltage	12 VDC
Input Signal	Dry Contact x 5
Output Loading	12V 120mA Max.
LED Indicator	Red/Green
Environmental Requirement	
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 55°C
Humidity	90% RH Max., Non-Condensing
Mechanical Specifications	
Dimension (W x H x D)	40 x 80 x 15 mm (without bracket) 40 x 80 x 22 mm (without bracket)
Weight	43g
Wire Assignment	
Wire 1- (Red)	DC +12V Power Input
Wire 2- (Black)	Common
Wire 3- (Yellow)	Open Collect Digital Output (12V / 120mA Max.)
Wire 4- (Green) -- door open/close status	0V / 12V DC Level input (active high)
Wire 5- (White) -- lock/unlock status	0V / 12V DC Level input (active high)

