

WiFi Relay Switch for Gate Motors/ Access Control



User Manual

Contents

Safety warning.....	3
Technical Specifications.....	3
Checklist Before Commencing Setup:	3
Setup Guide for WiFi Smart Switch Relay (WiFi Gate Opener)	4
Installing the Device at the Gate Motor Controller.....	6



Safety warning

When installing or using the WiFi Smart Switch Relay, ensure that all electrical connections are handled by a qualified electrician. Always turn off the power supply before working with electrical components to prevent the risk of electric shock or injury. Follow local electrical safety regulations, and never attempt to install the device while power is connected.

Technical Specifications

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Input Power: DC 7 – 32V

Maximum Current: 10A

WiFi: 2.4GHz, 802.11b/g/n

No RF Support (Note: The casing may indicate otherwise, but RF is not supported)

Checklist Before Commencing Setup:

- Ensure your smartphone is connected to a 2.4GHz WiFi network (the WiFi Smart Switch Relay only supports 2.4GHz, not 5GHz).
- Have the WiFi network password ready for the setup process.
- Download and install the "eWeLink" app from the App Store (available for iOS and Android devices).
- Have a small flat-head screwdriver available for wiring connections.
- Prepare a suitable power wire for connecting the device to the gate motor.
- Have an additional set of wires ready for connecting the device to the gate motor to control the gate opening function.

Setup Guide for WiFi Smart Switch Relay (WiFi Gate Opener)

Step 1: Register on the eWeLink App

Download and install the "eWeLink" app from the App Store or Google Play Store.

Open the app and register for a new account.

Step 2: Powering Up the Device

It's often easier to power up and pair the device indoors using a micro USB cable before installing it at the gate motor.

Power the device using either a micro USB cable or the two-port power input. (See Figure 1).

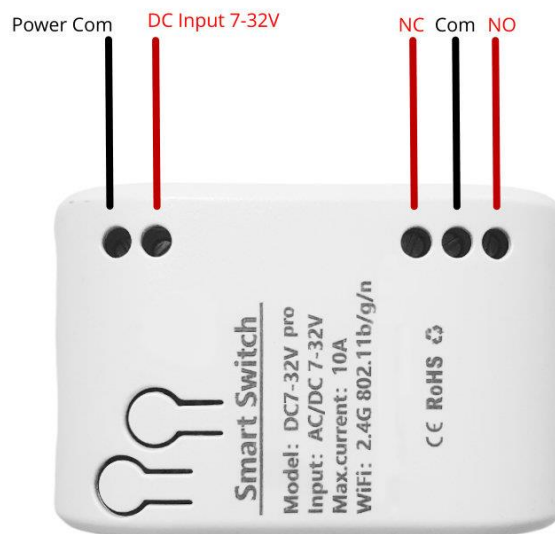


Figure 1

*Ensure correct polarity when connecting to the power input: positive (+) and negative (-)

Step 3: Turning On the Relay

Ensure the relay is powered on—there should be a constant red light illuminated on the device.

If not, press the button located on the right on top of the device once (a single short press).

Step 4: Entering Pairing Mode

Press and hold the same button (located on the right, on top of the device) for 7 seconds.

The device will now enter pairing mode.

Step 5: Pairing the Device with the eWeLink App

On your phone, open the eWeLink app and press the "+" sign at the top right corner to add a device.

Ensure the WiFi displayed on the app is a 2.4GHz network and is the WiFi you want your relay switch to connect to.

Enter your WiFi password.

Click "Next" and wait for your phone to detect the WiFi relay switch (this may take 30 seconds to 1 minute).

Once the device is found, click "Next" and then "Done."

Step 6: Adjusting the Inching Settings

Click on the paired device in the eWeLink app.

Click on the three dots in the top right corner.

Scroll down to "Inching Settings."

Turn on the inching feature and set it to 0.5 seconds.

Installing the Device at the Gate Motor Controller

Now that your device is paired and set up in the app, the next step is connecting it to the gate motor:

Power Connection:

Connect two wires to power the WiFi relay switch:

One wire to the 12V positive terminal of the gate motor.

One wire to the common (COM) terminal of the gate motor.

Control Connection:

Connect the control wires from the WiFi relay switch as follows:

The COM port of the WiFi relay switch to the COM port of the gate motor.

The NO (Normally Open) port of the WiFi relay switch to the trigger (TRG) port of the gate motor. (See Figure 2 for reference).

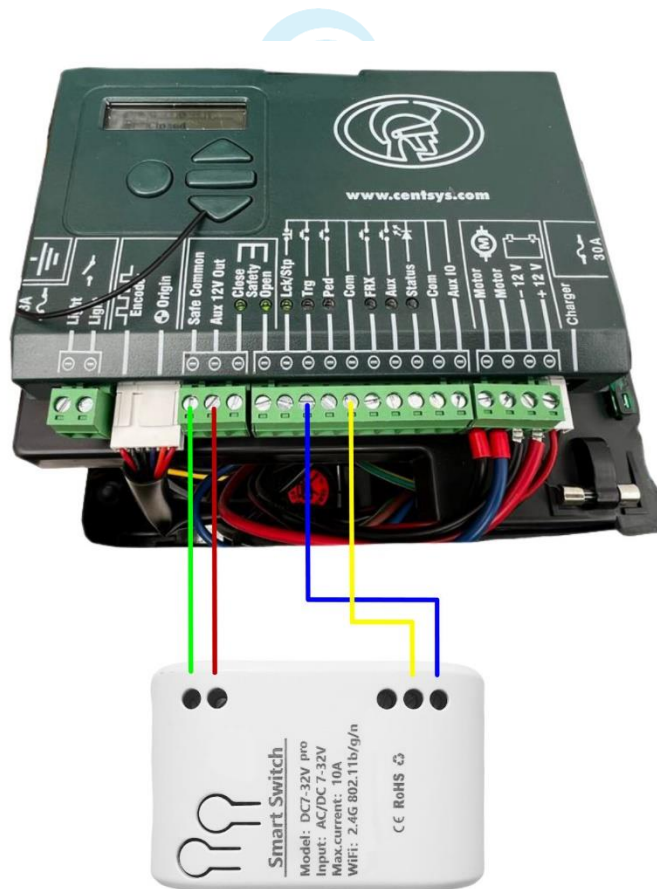


Figure 2

Wiring Specifications:

For the power connection, use a wire thicker than standard CAT wiring to ensure durability and safety.

For the trigger connection, standard cabling will suffice.

Once all connections are securely in place, your WiFi Smart Switch Relay is fully set up and ready to control the gate motor!

For further technical queries, you may contact chobintrading@gmail.com

