

Access controller SMK-AC-2

Installation Guide v2.0





Before you start

Choose a suitable installation place for the controller. An ideal installation place for the SMK-AC-2 controller is in close proximity to the lock.



Note: Electrical connections should be done by electricians.

In the box:

1. Access controller SMK-AC-2



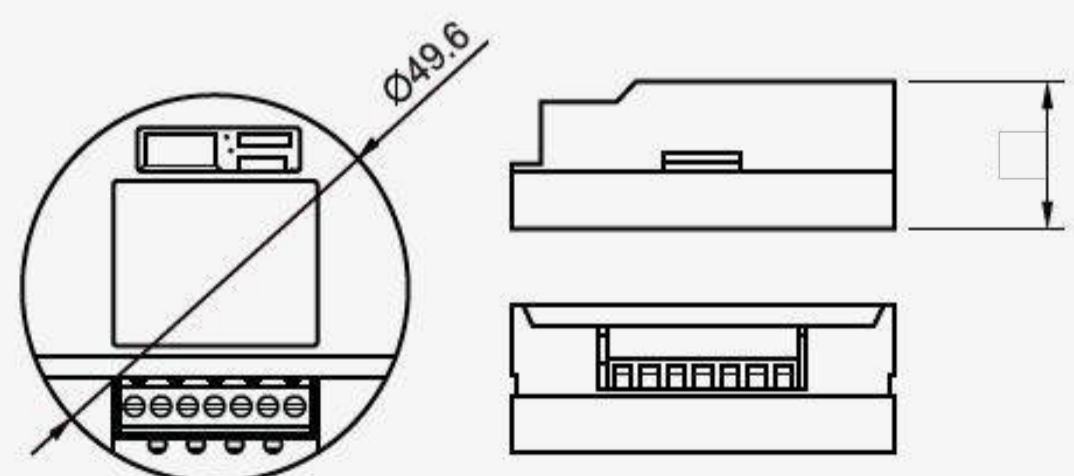
Physical properties

Dimensions: $\varnothing = 49.6\text{mm}$, $h = 25.0\text{mm}$

Weight: 40g

Working temp.: -40°C up to 75°C

IP rating: IP41





Activate the module

Step 1

Download the Smart MasterKey app from the App Store or Google Play.



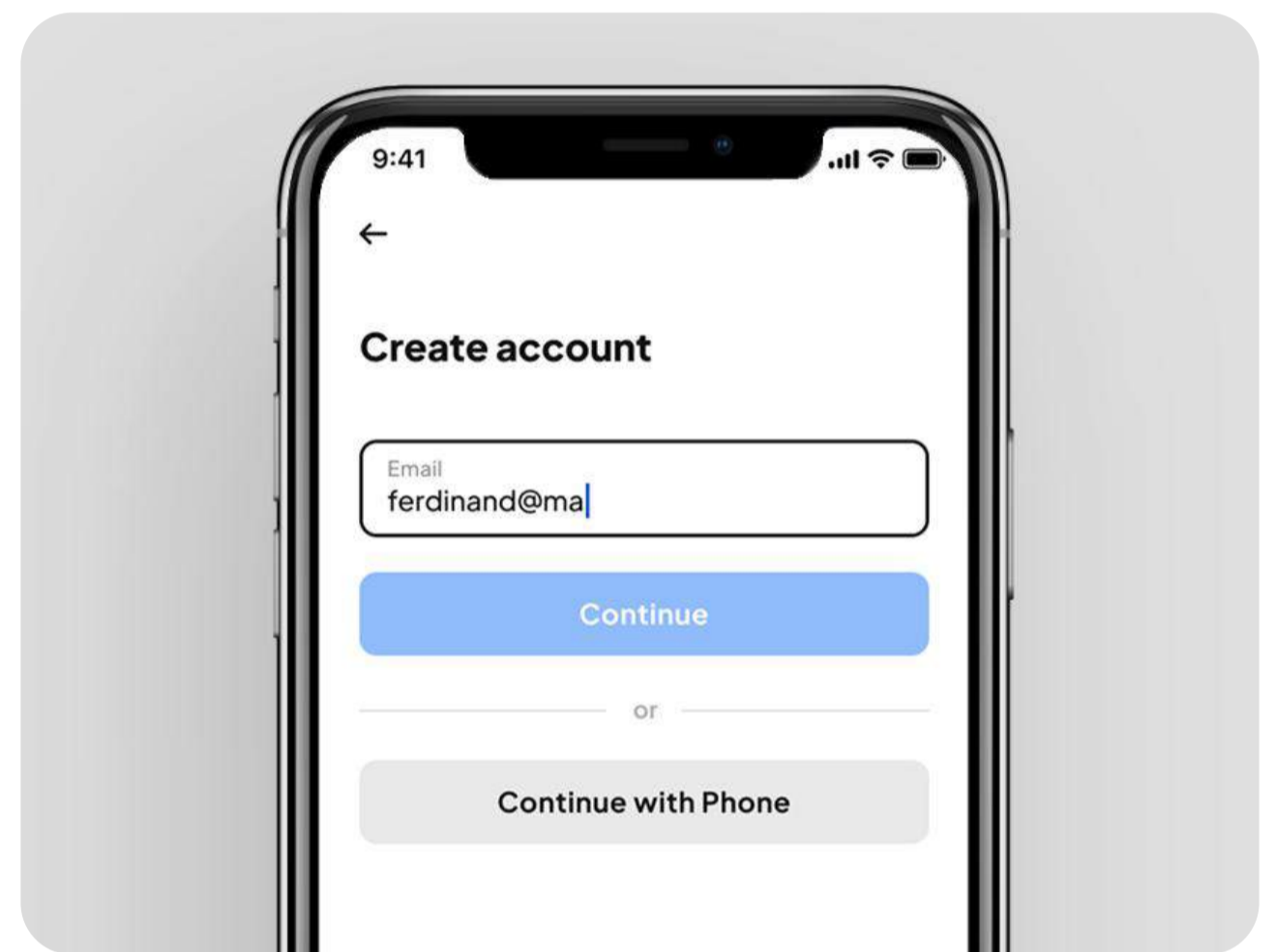
App Store



Google Play

Step 2

Tap **Get Started** to create an account in the app and/or log in.



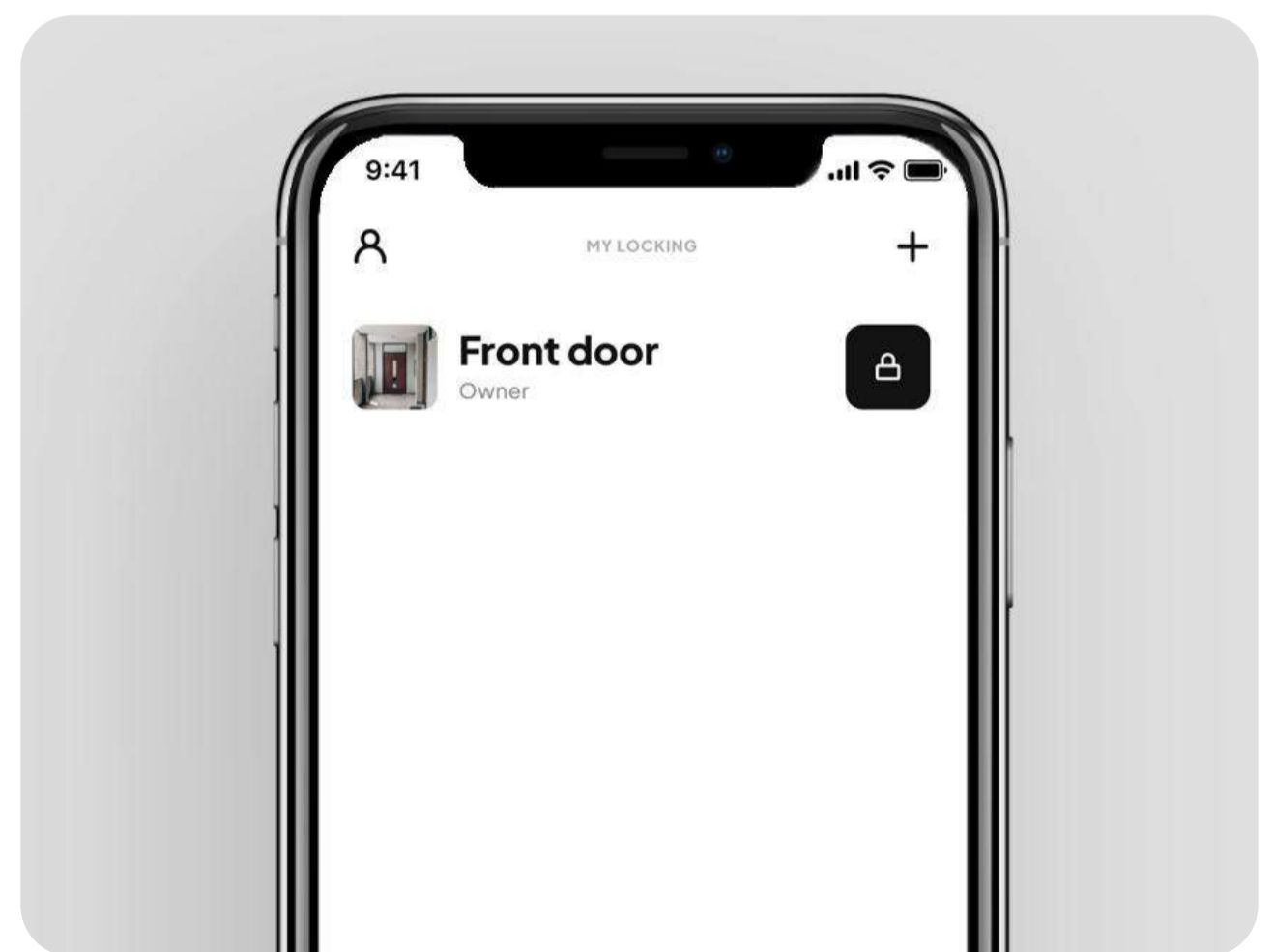
Step 3

Tap **Add a lock controller** and scan the QR-code that's on the controller.



Done!

You are ready to use your lock. Tap the **lock button** in the app to activate the lock.

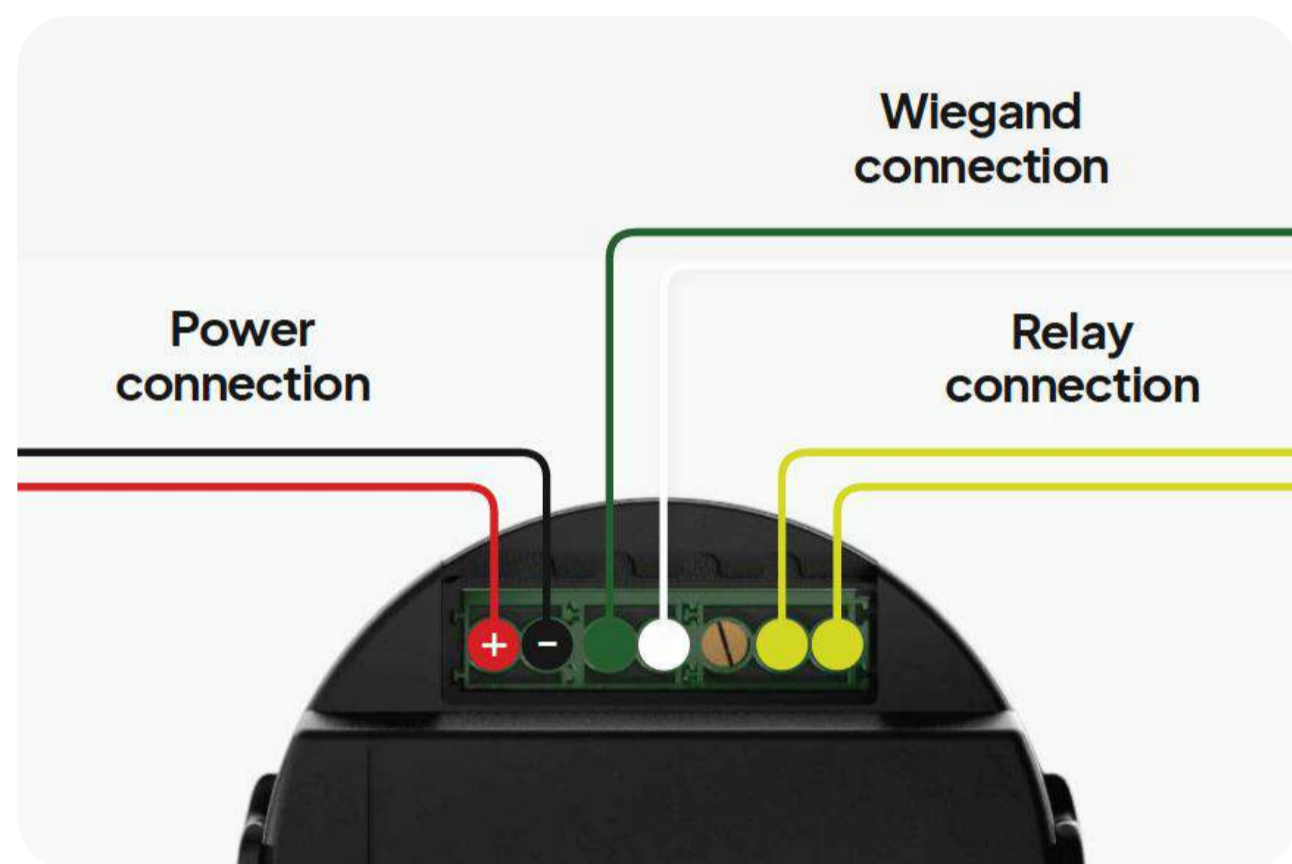




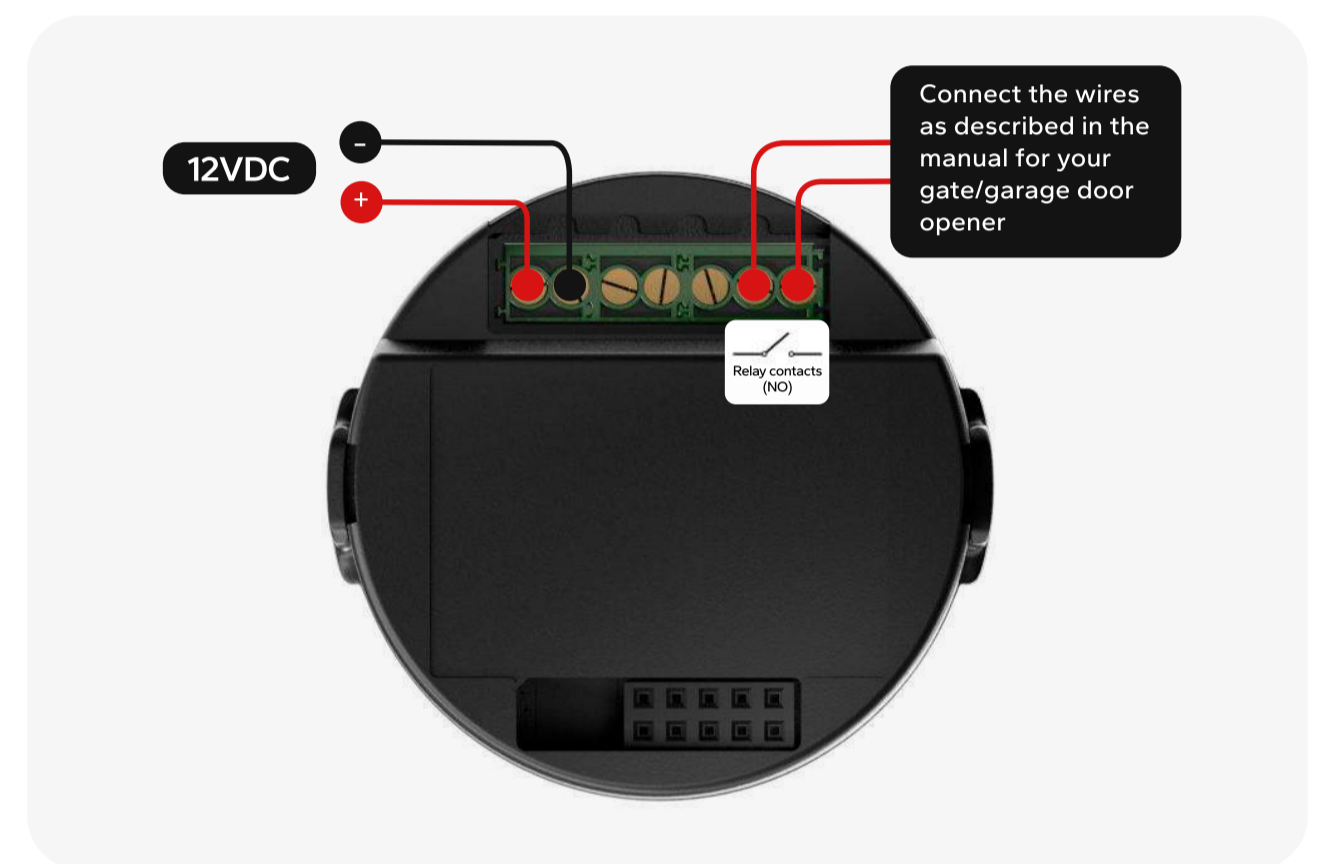
Install SMK-AC-2

There are two connection options. The relay can be connected either as a power-free relay switch (NO) for garage doors and car gates or with supply power for door locks, magnets and strike plates.

Door Lock Opener



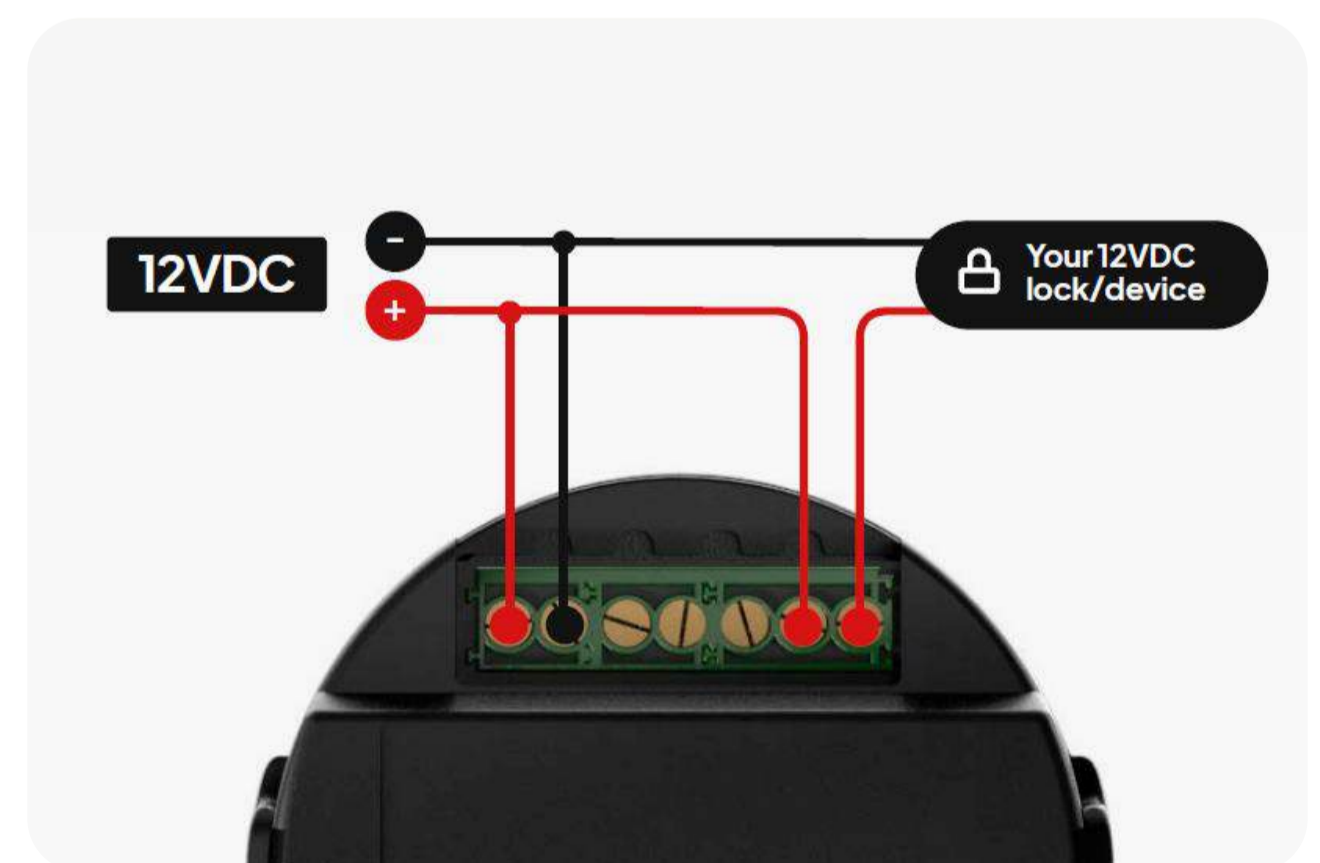
Gate / Garage Door Opener



LED Indication



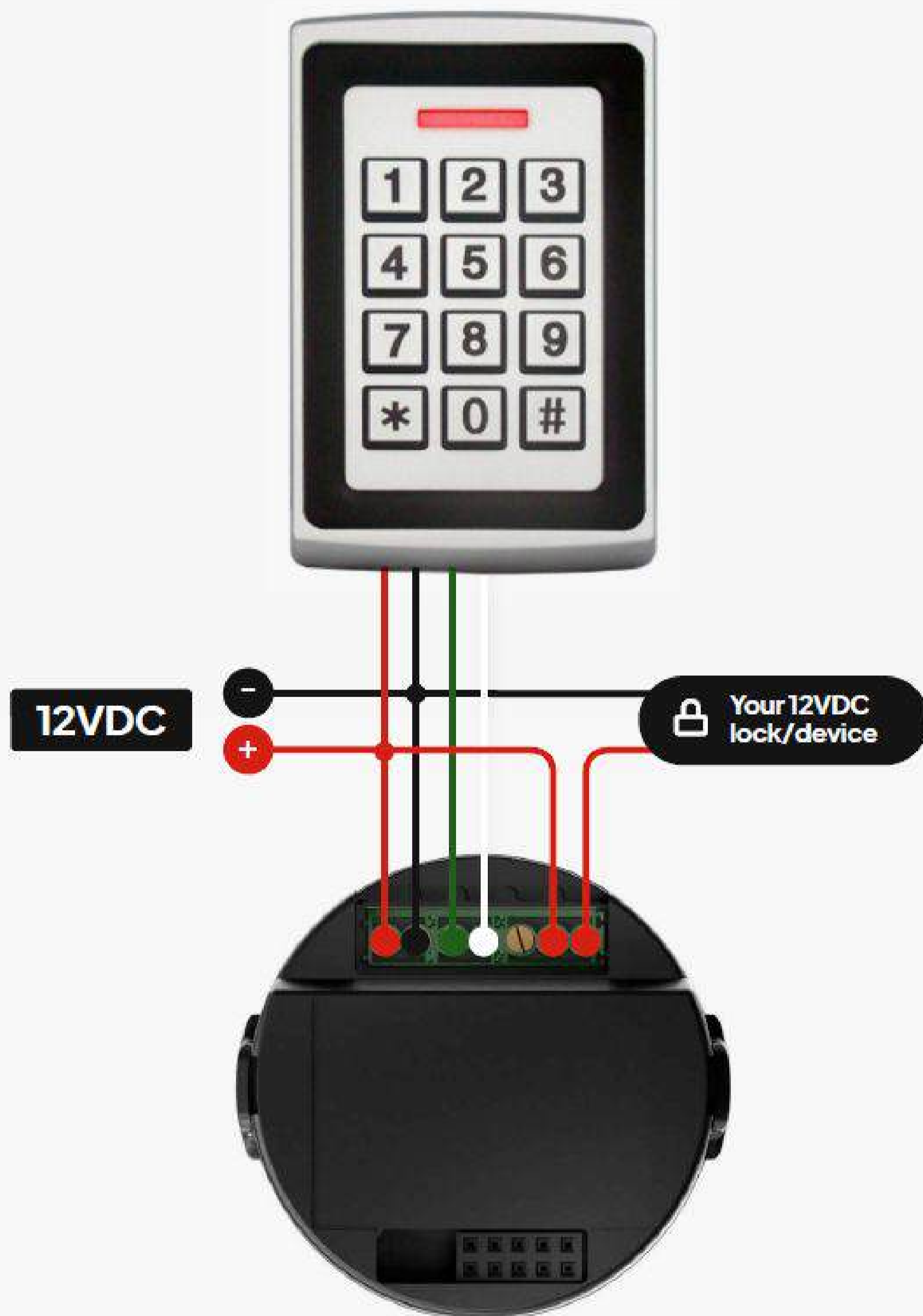
12 VDC Power Source





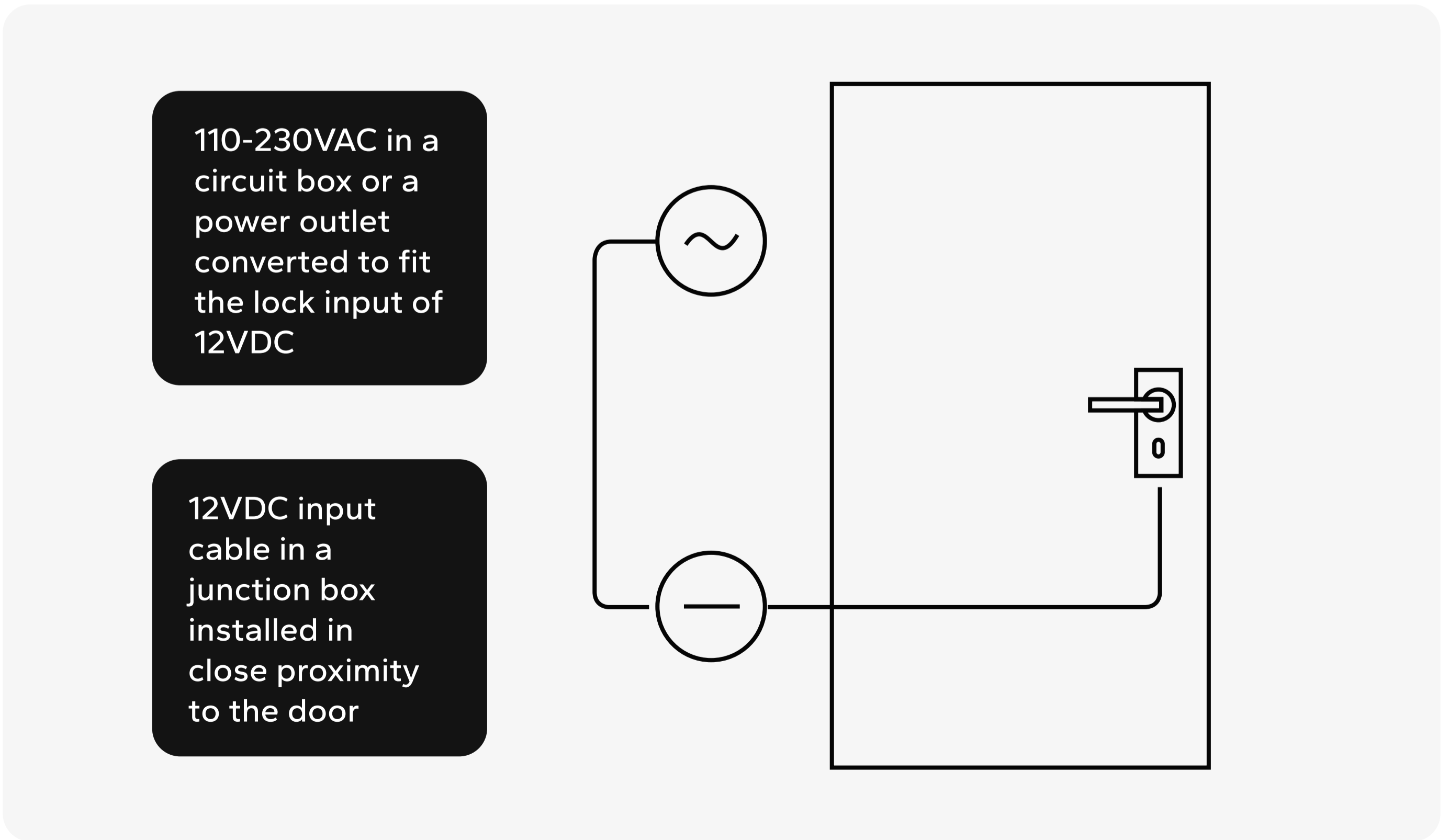
Install SMK-AC-2

Wiegand card reader / PIN pad (Optional)



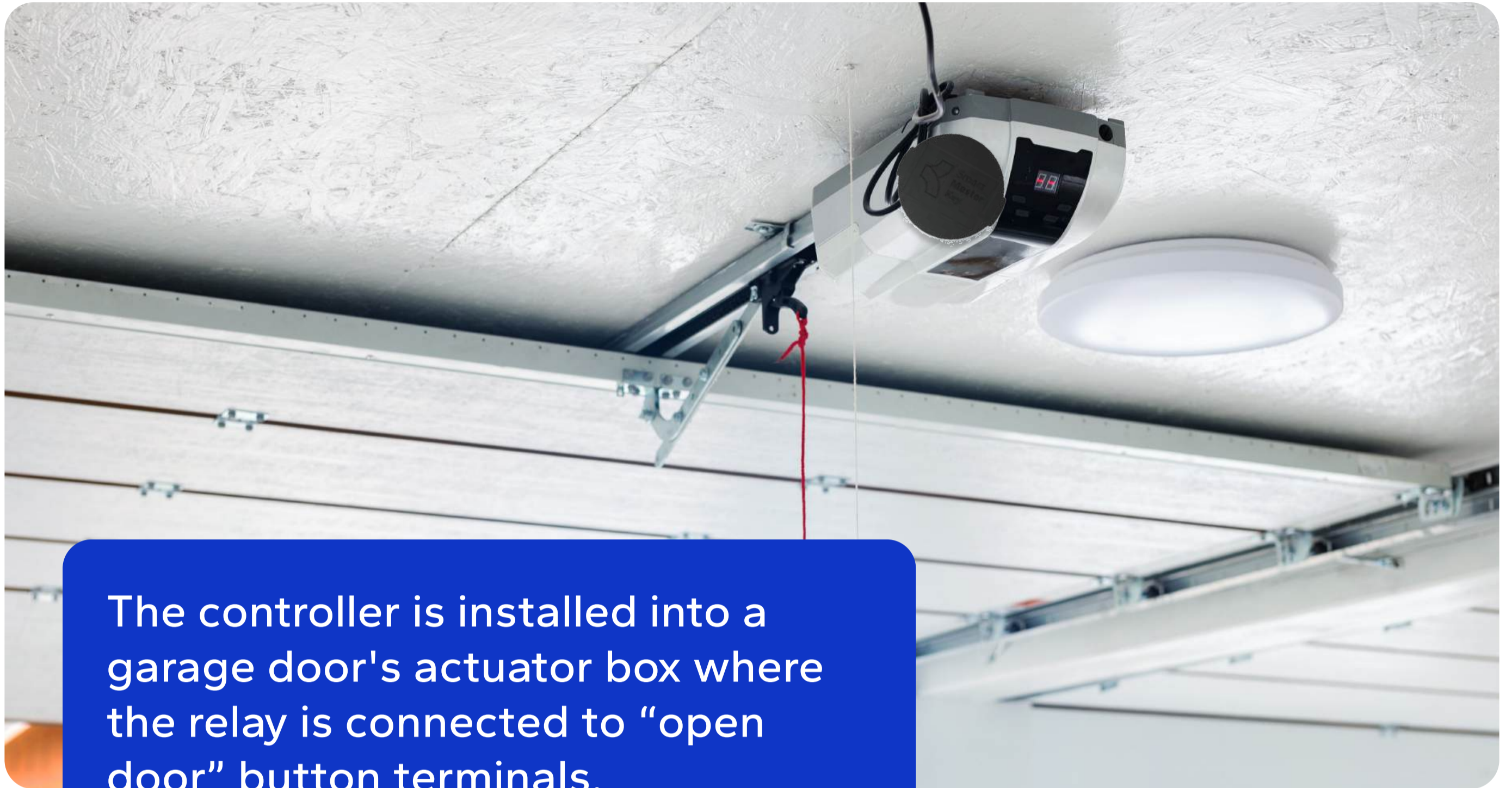


Install SMK-AC-2

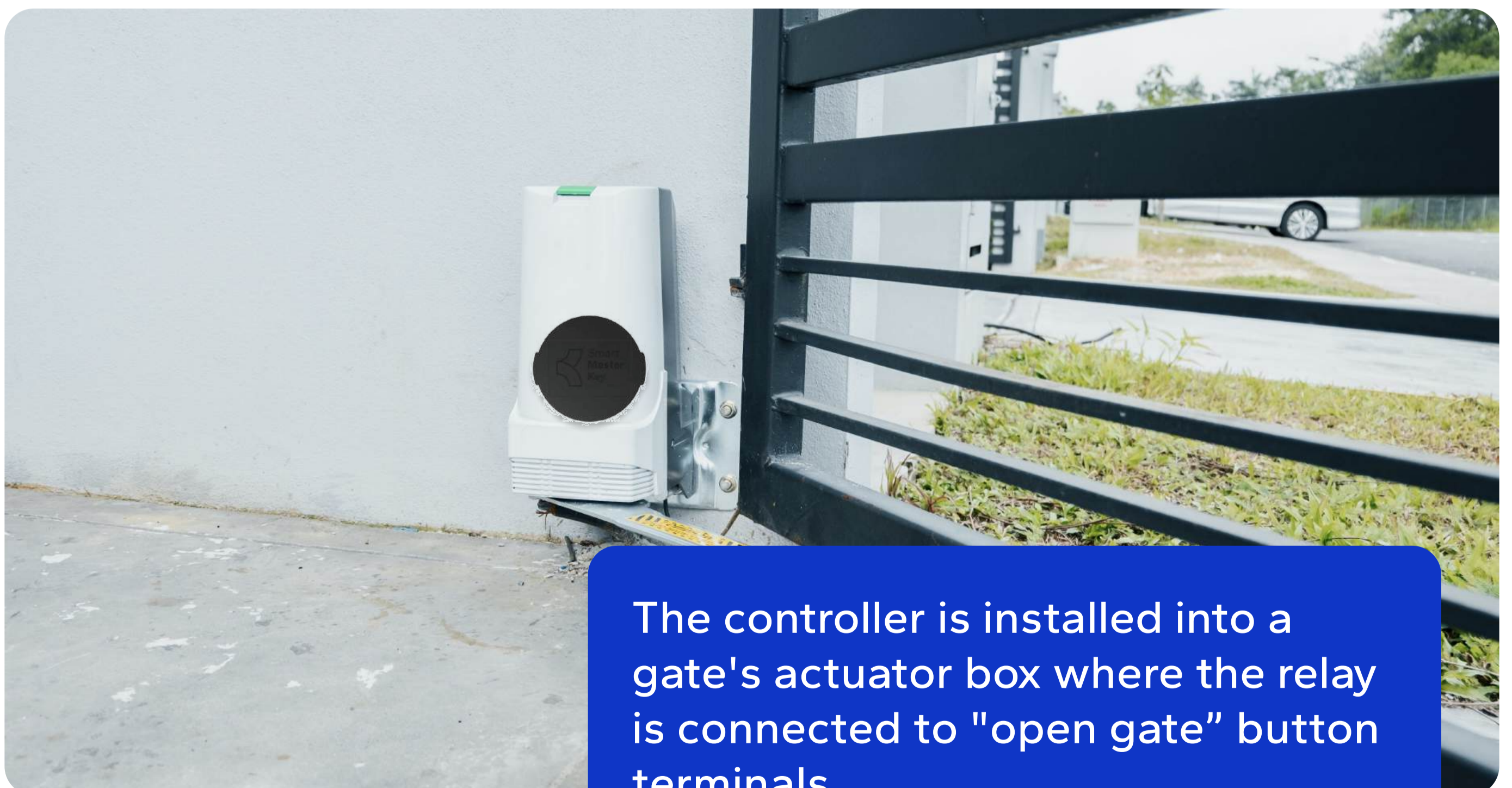




Install SMK-AC-2



The controller is installed into a garage door's actuator box where the relay is connected to "open door" button terminals.



The controller is installed into a gate's actuator box where the relay is connected to "open gate" button terminals.



Good to know



Bluetooth

To operate the lock via Bluetooth, the phone (Smart MasterKey app) needs to be in the Bluetooth range. Range is higher in environments with direct visibility (~50m) and lower where there is no direct visibility to the lock.



Wi-Fi

To use the lock with Wi-Fi, the controller must be connected to 2,4 GHz Wi-Fi and "Remote access" must be enabled in the Smart MasterKey app. That way the lock can be opened even from another country.



Power Failure

After power failure, SMK-AC-2 will continue operation as soon as power supply is restored. To operate the lock during power failure, a relevant backup battery needs to be connected to the controller and the lock.



Loss of Your Phone

In case your phone gets lost, all keys may be revoked via the Smart MasterKey web admin portal (admin.smartmasterkey.com). You may generate new keys for the lock as soon as you have downloaded the Smart MasterKey app into your new phone and logged in to the app (logging in on the new device will automatically log you out of the app on the old device).



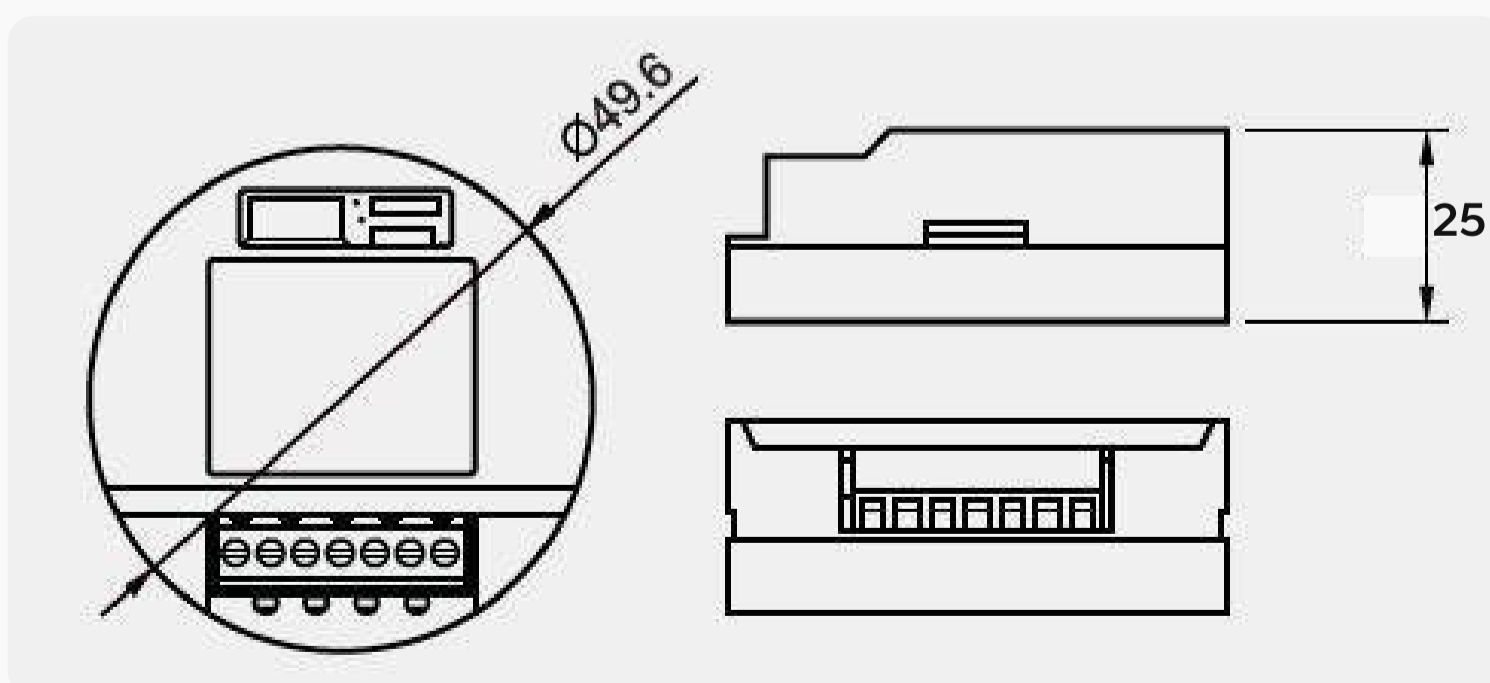
Operation

A connection between the lock and the app is established over Bluetooth or Wi-Fi connectivity.



Technical specification

Power supply	12 VDC
Relays (quantity and type)	1x non-latching, maximum load 10 A, 240VAC or maximum load 10 A, 12VDC
Radio protocols & network	Wi-Fi 802.11 b/g/n (2,4 GHz) Bluetooth v4.2 BR/EDR and BLE External WiFi/BT antenna (optional accessory)
Additional connectivity	1x Wiegand reader or 2x analogue inputs for hardware switch / PIRsensor / Hall-effect sensor 1x open collector output Supports 4bit and 6bit Wiegand PIN codes. Supports 26bit, 32bit, 34bit, and 37bit card reader settings.
Physical connectors	Relay in / out, power, input switch 7 - gang terminal for cables up to 1 mm ²
IP rating	IP41
Power consumption	Normal operation 50 mA Maximum 200 mA
Operating temperature	-40°C to 75°C
Weight	40g



Physical properties

Dimensions:

∅ = 49.6mm, h=25.0mm

Weight: 40g

Working temp.: -40 kuni 75 °C

Note: The module requires a 12 VDC power supply with a nominal power of at least 3W.