



Consumer 2 Access Panel 3 Smart Home Device Installation Guide

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Installation Guide



Access Panel 3

Installation Manual

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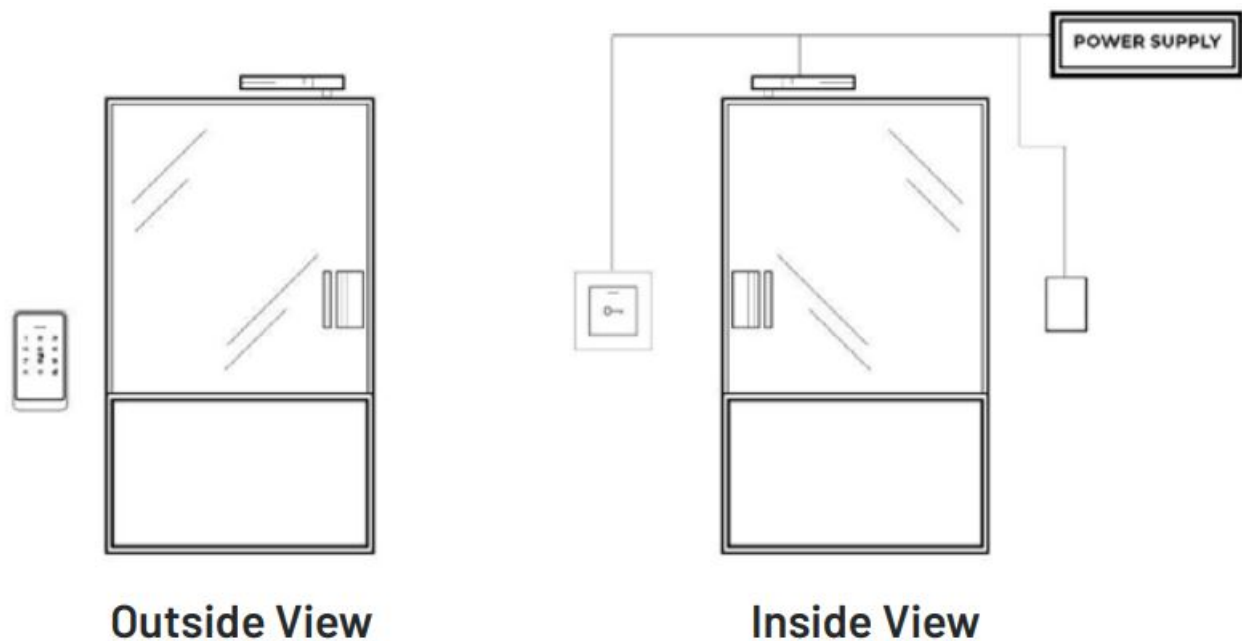
SMART ACCESS CONTROL SYSTEM

Introduction

The Rently Access Panel 3 is a cloud-based access panel that can be used to easily track, change, and manage FOB and door code credentials. The Access Panel 3 can be used to control any access device that is operated by a normally open or normally closed signal as long as the voltage requirements are met. NOTE: this system only supports Mifare FOBs and does not integrate with HID FOBS.

The Rently Access Panel 3 stores all valid credentials within the device. It contains a Bluetooth antenna that connects to a cloud-enabled hub installed nearby. This allows you to place secure access points all over a building without having to wire a central control system.

General Install Location

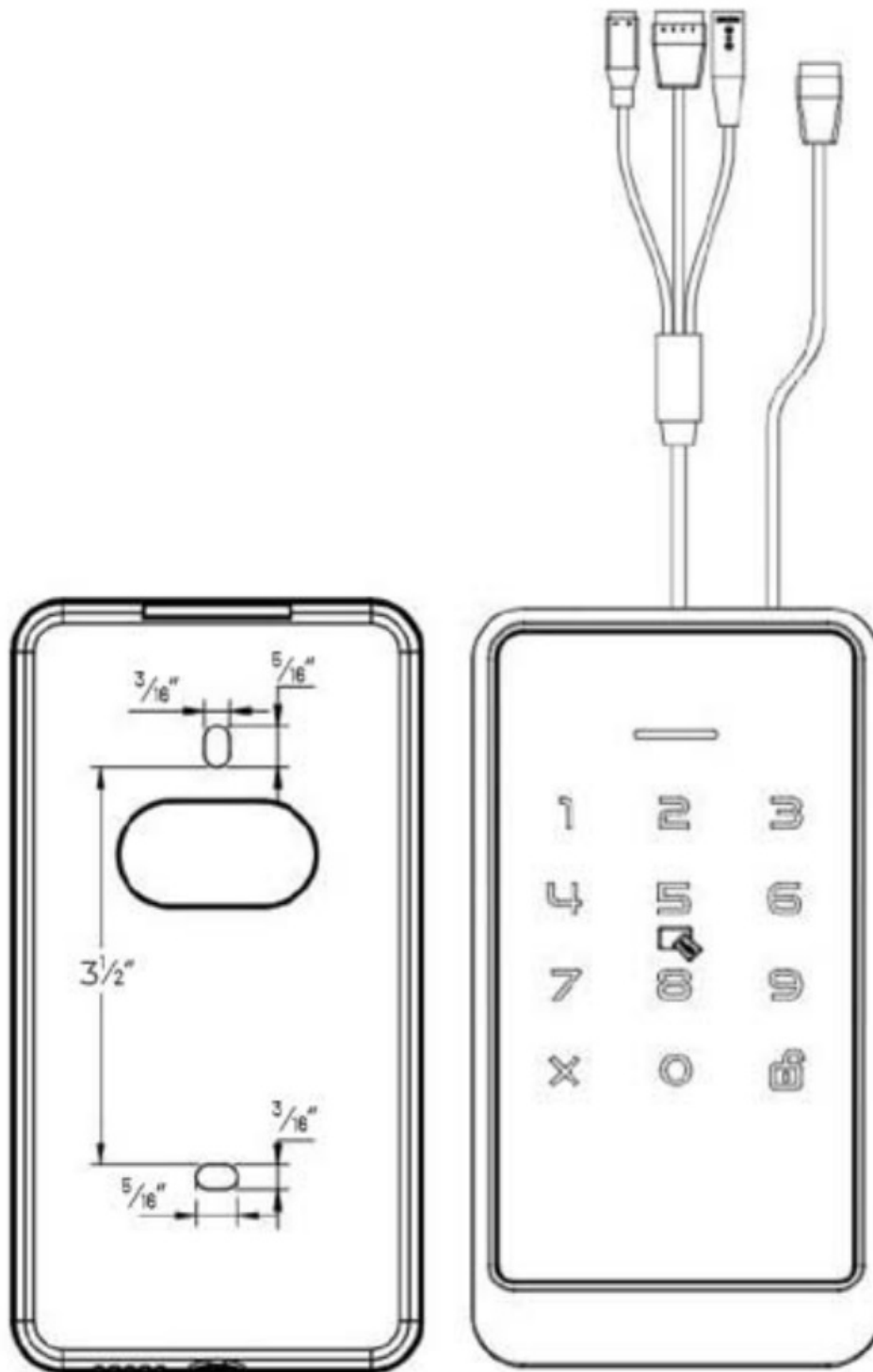


ACCESS PANEL INSTALLATION

Prior to Installation

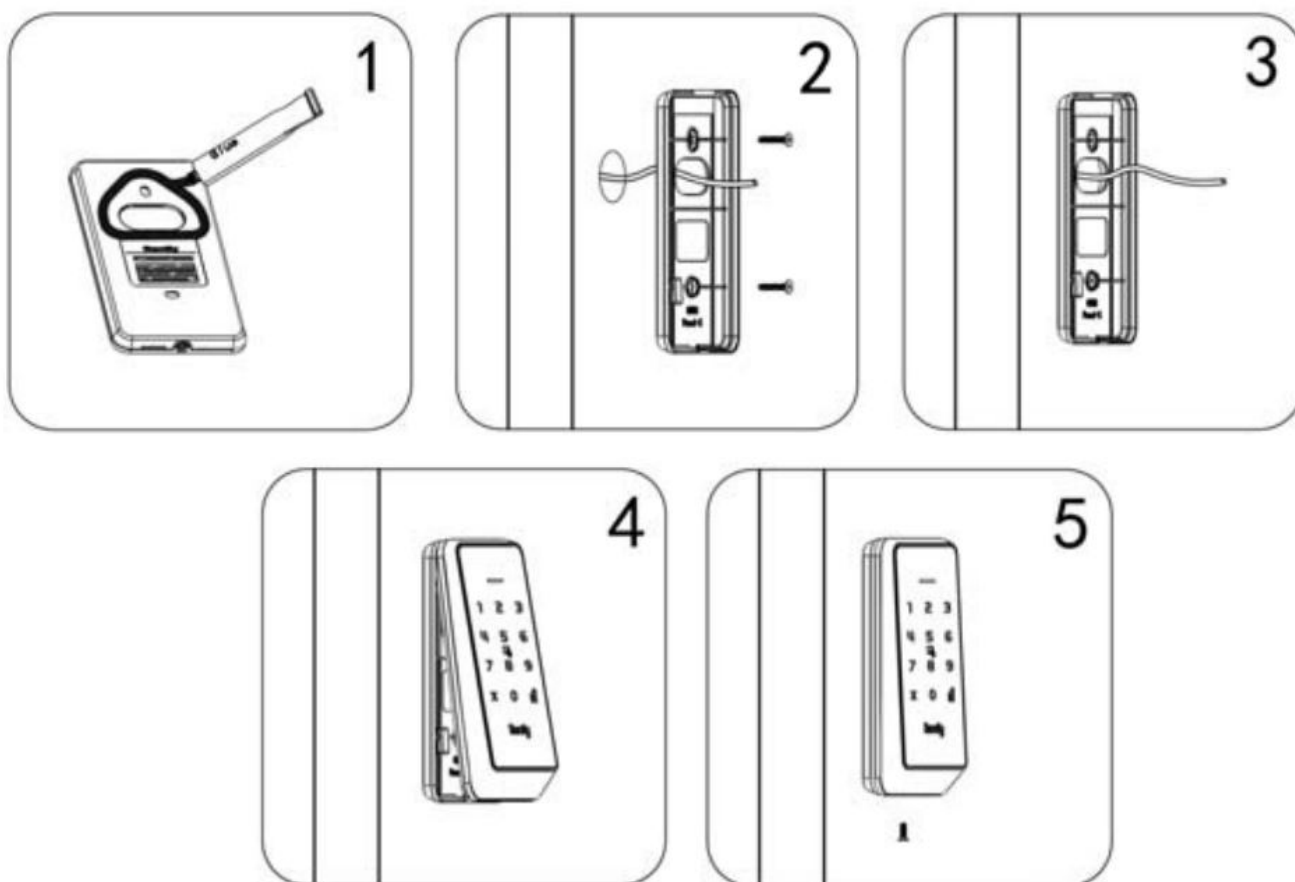
- Check that all components are available
 - Rently Access Panel 3
 - Screw on co-ax antenna (4 in and 6 ft antennas provided)
 - Exit Button
 - Power Supply Controller
 - Rently Hub
 - Wall anchors or other mounting hardware
 - Your preferred lock type including but not limited to:
 - ◆ Electromagnetic Lock and lock bracket
 - ◆ Electric Strike Lock
 - ◆ Electric Bolt Lock
 - ◆ Electric Cabinet Lock
 - NOTE: This is a kit, and not all components will be used. Please recycle parts that are not necessary for your application.
-
- Prepare the following tools. NOTE: additional tools may be required for your specific application:
 - Hammer
 - Drill
 - Drill Bit Set
 - Screwdriver Set
 - Identify the door type and verify that you have the correct mounting bracket and hardware for the install.
 - Locate the power source for the power supply controller.
- Note: You may need to have a certified electrician run power to the install location.

- To ensure the best performance, check to make sure your Rently Hub is installed in an optimal location within 10 feet of your Access Panel with minimal obstructions.
 - ADA considerations:
 - The Exit Button and the Rently Access Panel 3 should be installed in accordance with your local ADA requirements.
- Recommended height does NOT guarantee ADA compliance.



Access Panel Specifications

Dimensions	80 x 150 x 28mm (3.1 x 5.9 x 1.1in)
Weight	738.5g (1.63lb)
Power Supply	12V/24V AC, 12V/24V DC
Output Mode	Normally Open/Normally Closed
Quiescent Current	≤ 25mA
NFC Induction Distance	≤ 1.5mm (0.06in)
Maximum Current	300mA
Wireless Connections	Bluetooth 4.0, NFC
Code and FOB Capacity	2000
Operating temperature	-30 to 70°C (-22 to 158°F)
Card Type	CPU Card, IC Card
Operating Humidity	0 to 95% (RH)



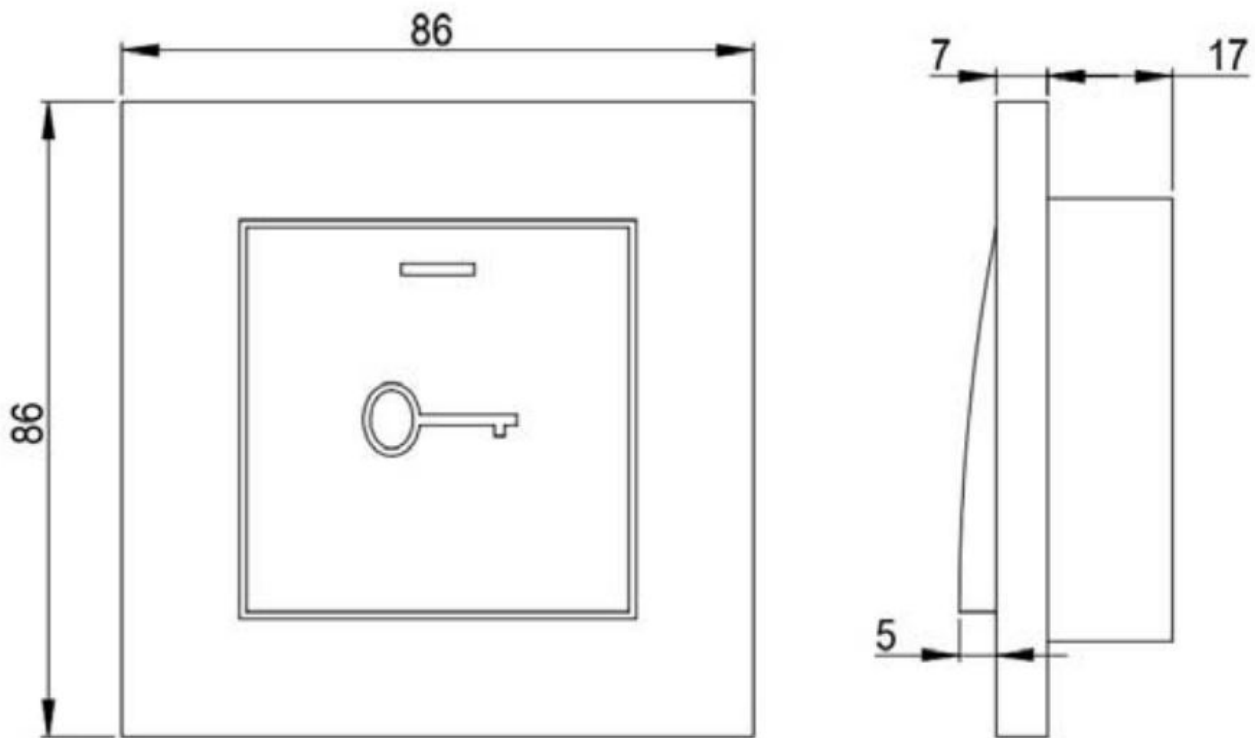
Access Panel Installation

1. Run a power cable to the location where the Rently Access Panel 3 will be mounted. Remove the security

screw from bottom of Access Panel 3 with the wrench that is provided and take off the mounting plate. Apply a bead of silicone around the area shown before mounting the plate to the wall.

2. Insert the power and control cables through the mounting plate.
3. Press the mounting plate firmly against the mounting surface and secure with screws.
4. Connect the power and control cables from the Access Panel 3 according to the appropriate wiring diagram (see page 16).
5. Connect the antenna by screwing on the co-ax cable. If the hub is nearby, you may use the 4 in antenna and tuck it into the wall. If a stronger signal is required, the 6 ft antenna should be mounted in a location free from large metal obstructions , including wire mesh used for stucco.
6. Hook the top edge of the Access Panel 3 on the mounting plate and swing the panel in until fully seated. Secure in place with the security screw and provided wrench.

NOTE: Stow the provided security tool in an accessible location for future service. A 6-lobe with center pin tamper resistant screw driver may be used if needed.

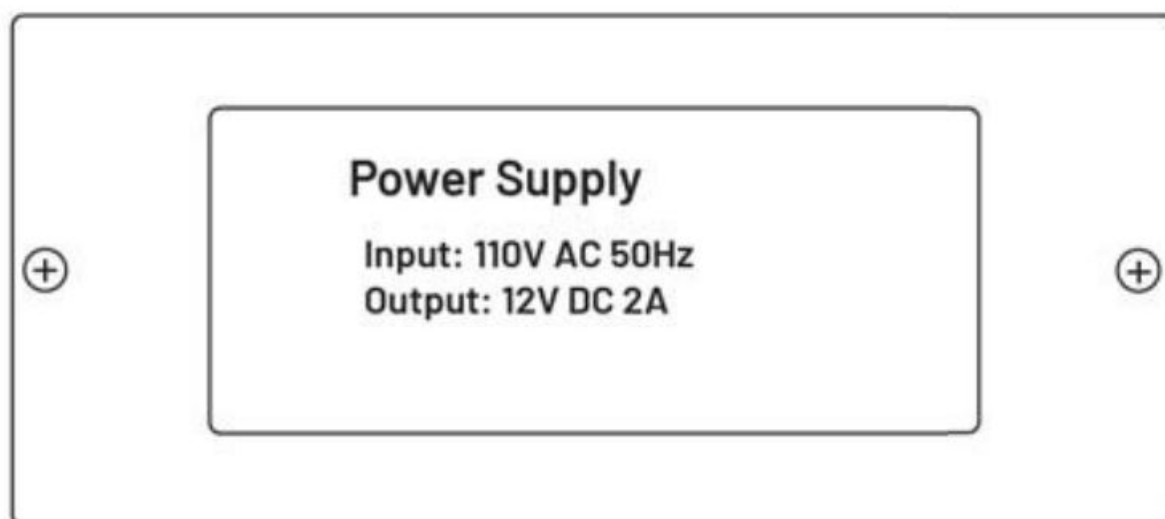


Exit Button Specifications

Size	86 x 86 x 40mm (3.4 x 3.4 x 1.6in)
Weight	180g (0.4lb)
Mechanical Life	500,000 presses
Install Location	Hollow wall or door
Operating Temperature	-30°C to 70°C (-22°F to 158°F)
Operating Humidity	0~95% (relative humidity)
Panel Material	PC
Current Rating	16A@250V
Output Contact	NO/COM

Exit Button Installation

1. Connect the wires per the wiring diagram section.
2. Pry the plastic faceplate away from the switch body.
3. Tuck the wires into the wall to sit behind the switch.
4. Secure the switch to the desired location using two screws.
5. Snap the faceplate back into position with a firm press. Be sure all the corners snap back into place.



Power Supply Controller Specifications

The power supply controller is used to control electric locks by switching the signal from access controllers or power supply output from AC/DC-12/24V directly . It can also reduce overload to the controller, change the electric lock to on or off mode, adjust the open delay time and control the open key.

Dimensions	180 x 78 x 65mm (7 x 3 x 2.5 in)
Weight	1250g (2.75lb)
Input	110V AC 50Hz
Output	12V DC 2A
Operating Humidity	30 to 95% (RH)
Ambient Temperature	-20 to 55°C (-4 to 122°F)

Power Supply Controller Installation

1. Remove 2 sliver screws to remove the power supply controller cover. There are 4 screw holes on the bottom part of the power supply controller.
2. screw in 2 or 4 screws depending on how the power supply controller will be oriented. It is recommended that the power supply controller is mounted flush against the wall. Refer to the wiring diagram section for connections.

LOCK TYPE INSTALLATION

Metal Lock Bracket Specifications

Several brackets are available to accommodate many different types of doors. See diagrams for additional details.

Chart 1

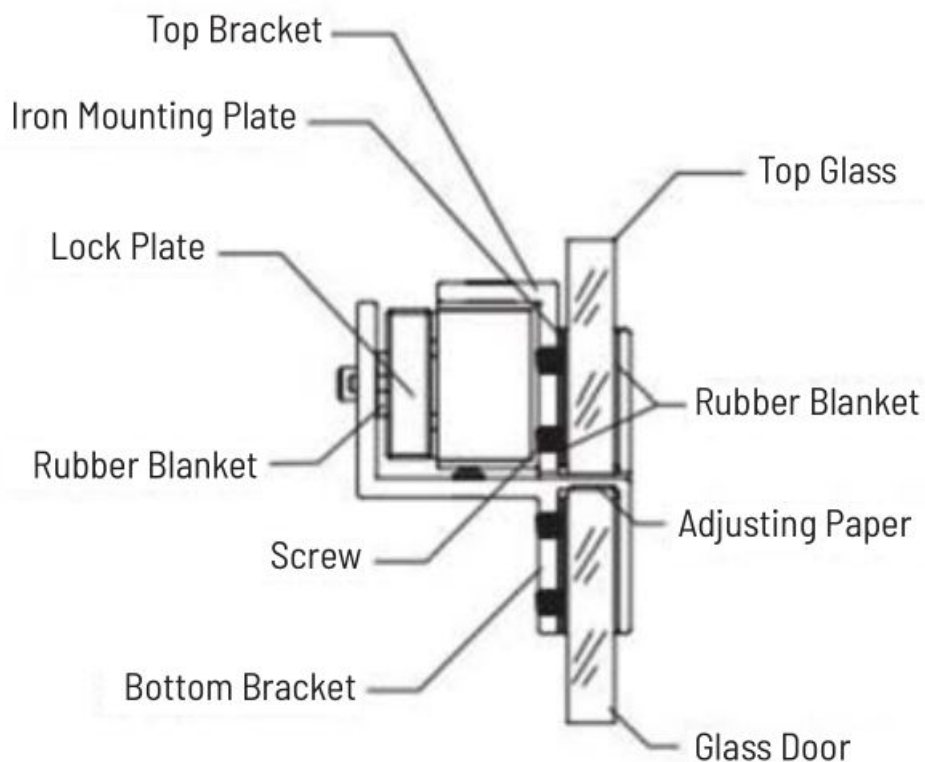
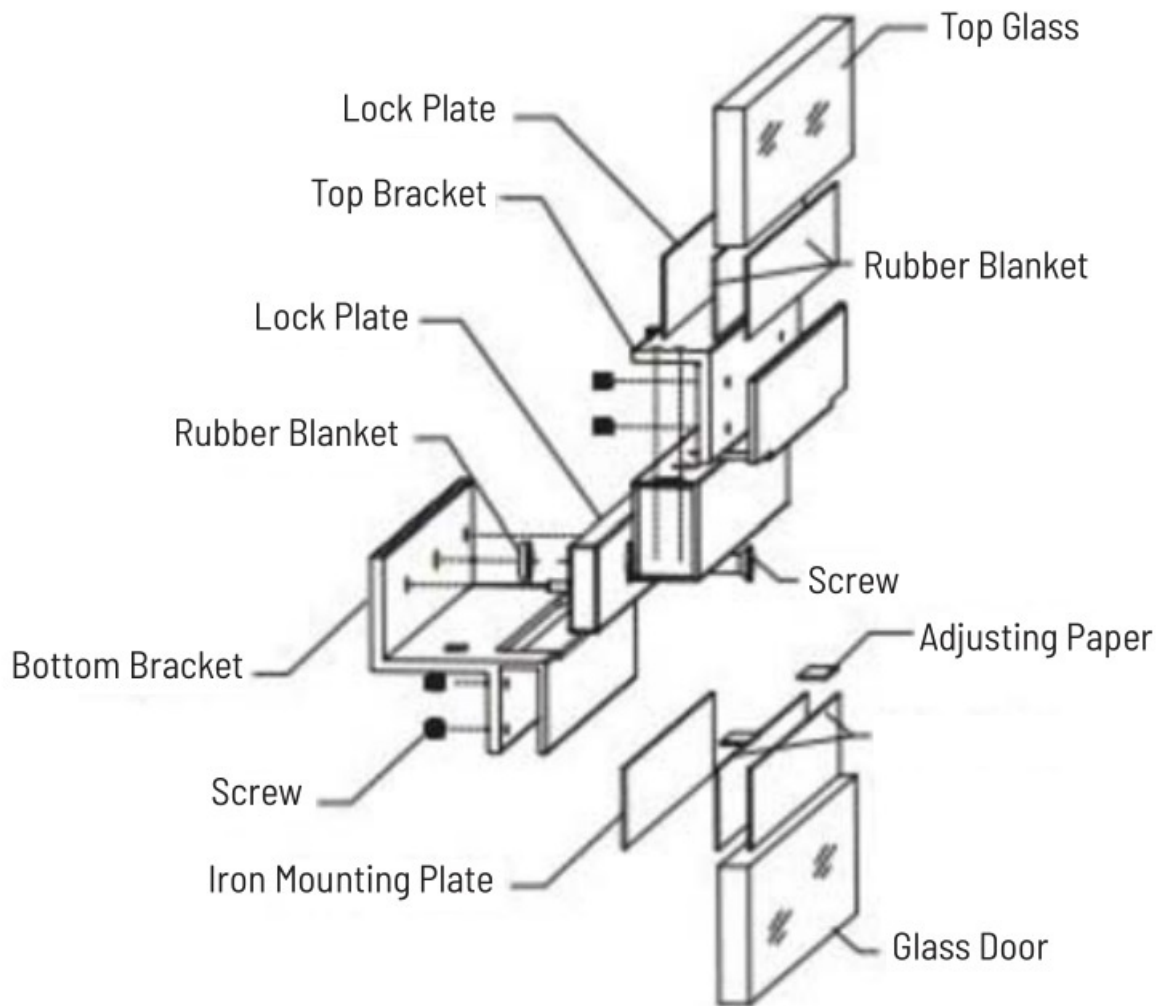
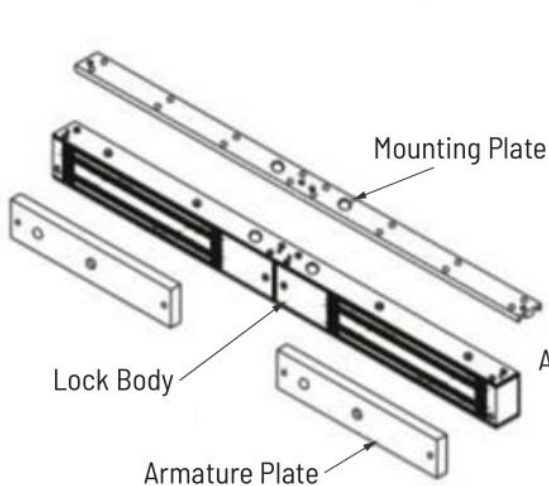


Chart 2

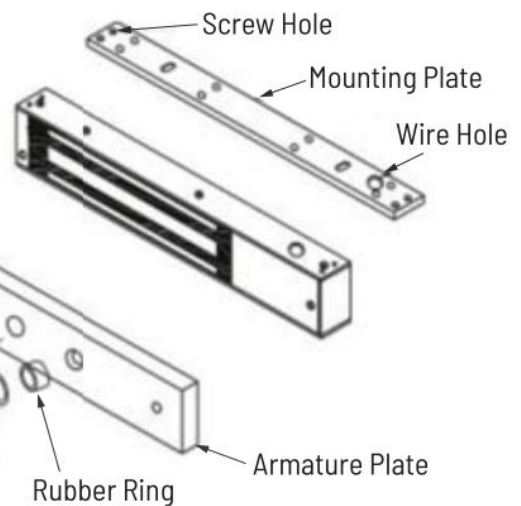


Metal Lock Bracket Installation

1. Measure the gap between the door leaf and door frame.
2. Install the top bracket according to the diagram. Set the screw, keeping the screw head inside the U-shaped slot.
3. Put the rubber mounting plate and iron mounting plate into the U-shaped slot. For easier installation, you may use doublesided adhesive between the rubber mounting plate and the U-shaped slot.
4. Secure the top bracket in the correct position with 4 screws.
5. Install the magnetic lock according to the diagram.
6. Put the bottom bracket on the glass door.
7. If the door gap is too big, put the paper shim inside, adjust the gap to 2mm between the brackets, then fix with 4 screws.
8. Install the lock plate. Make sure the back of the lock plate is installed with a rubber gasket to absorb the impact of opening and closing the door.
9. Turn on the power and test the locks to ensure that they are working properly.



Double Door



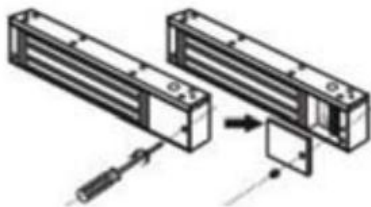
Single Door

Electromagnetic Lock Specifications

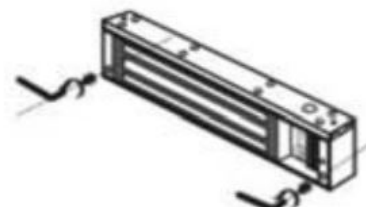
This type of lock may be used on wood, glass, metal, and fire proof doors.

Electromagnetic Lock Installation

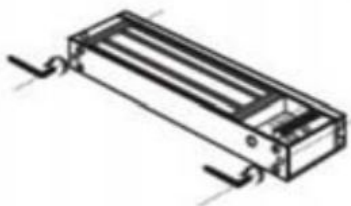
1. Remove the screw holding the cover in place, and then remove the cover.



2. Unscrew the bolts underneath with the hex key.



3. Use the hex key again to loosen the mounting plate screws.



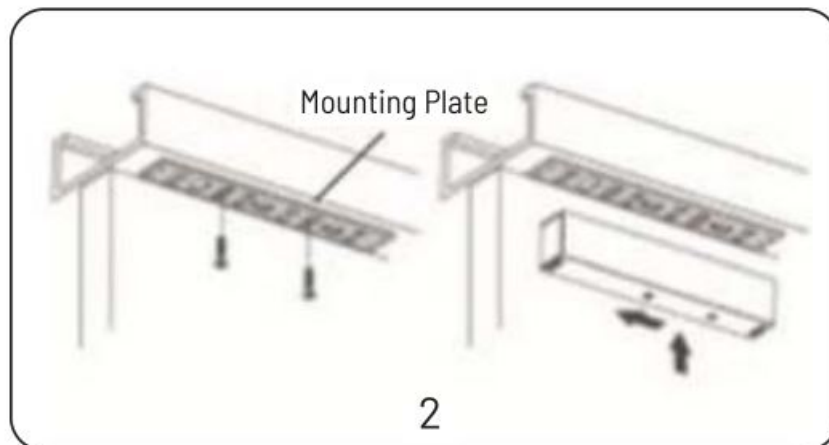
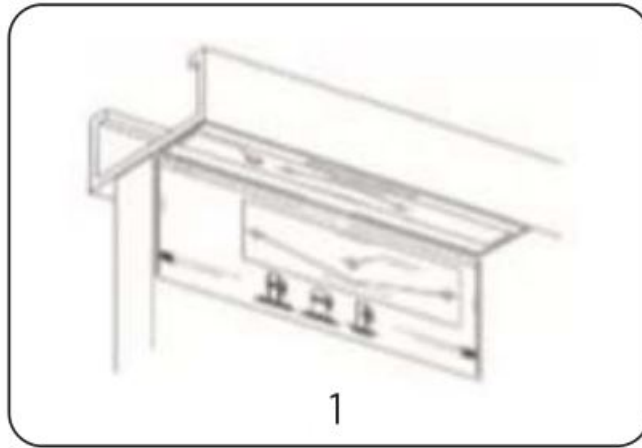
4. Unfold the mounting plate from the lock body.



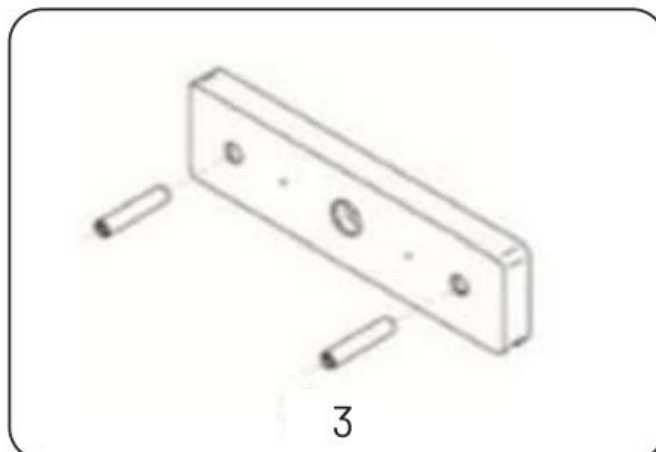
Disassemble the hardware as shown above. If your door is more than 42mm thick, continue with the standard mounting method. Otherwise, see the section for thin doors.

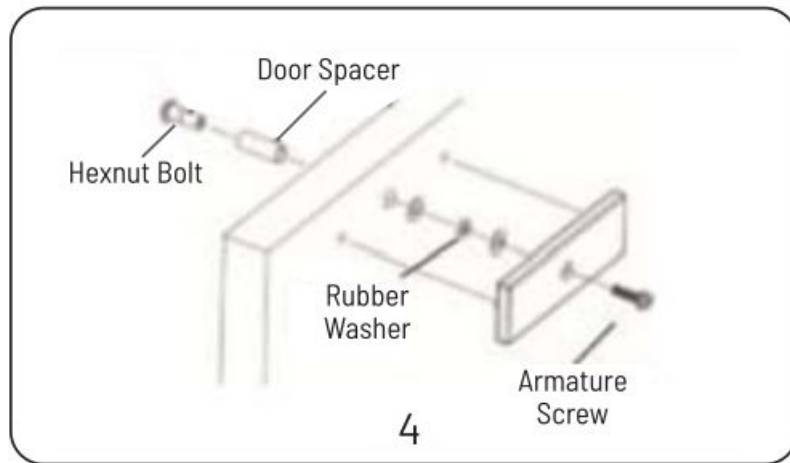
Standard Mounting Method

1. Use the template provided to determine the correct location and size of the mounting holes for both the door and frame header. Ensure that the door opens away from the Maglock. In the case of a single door, the Maglock should be positioned as close as possible to the vertical section of the door jamb. Drill the door and frame as indicated.
2. Loosely install the mounting plate using two of the supplied Philips head mounting screws in the elongated slots. Attach the Maglock to the mounting plate.

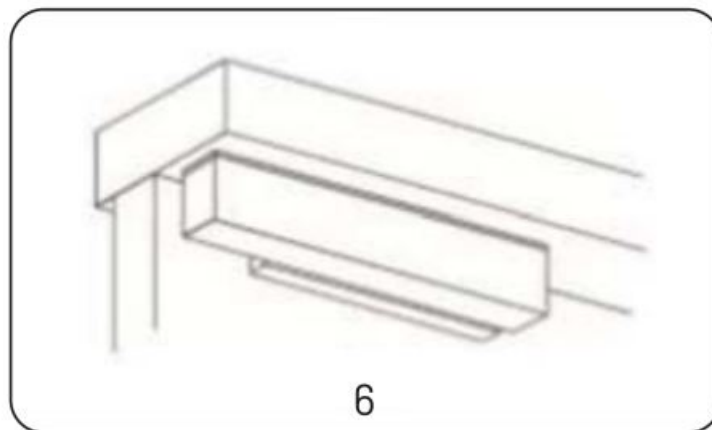
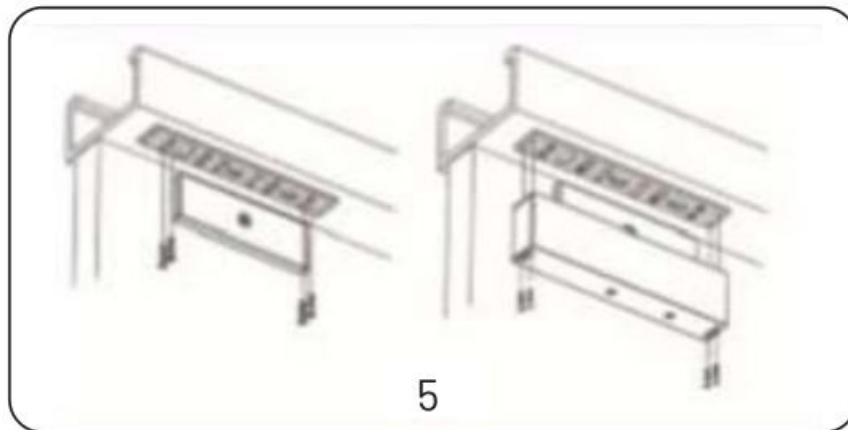


3. Using a hammer, lightly tap both roll pins into the armature plate until they are secure. Before installing the Hex Nut, the hole in the door may need to be drilled or tapped.
4. Using the components shown in the image to the right, mount the armature to the door. Make sure that the armature plate is not overtightened and that it is installed as shown in the following diagram. The armature plate must be free to self-align with the door.

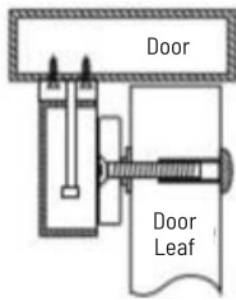




5. Ensure the armature and magnet are aligned. Adjust the mounting plate and then drill the appropriately sized holes in the door header for the remaining screws.
6. Close the door to test the holding force. The angle between the armature plate and magnetic lock can be adjusted by adding or reducing washers.

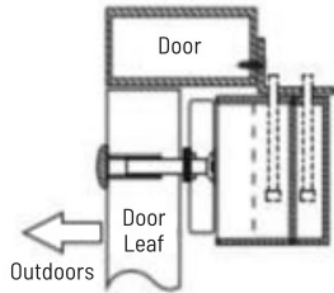


Bracket Mounting Method for Doors Less than 42mm Thick:



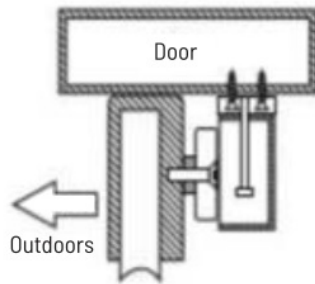
L Mounting Bracket:

When the door width is less than 42mm, the width is not enough for the armature plate of the magnetic lock, and it needs an additional L type bracket.



ZL Mounting Bracket:

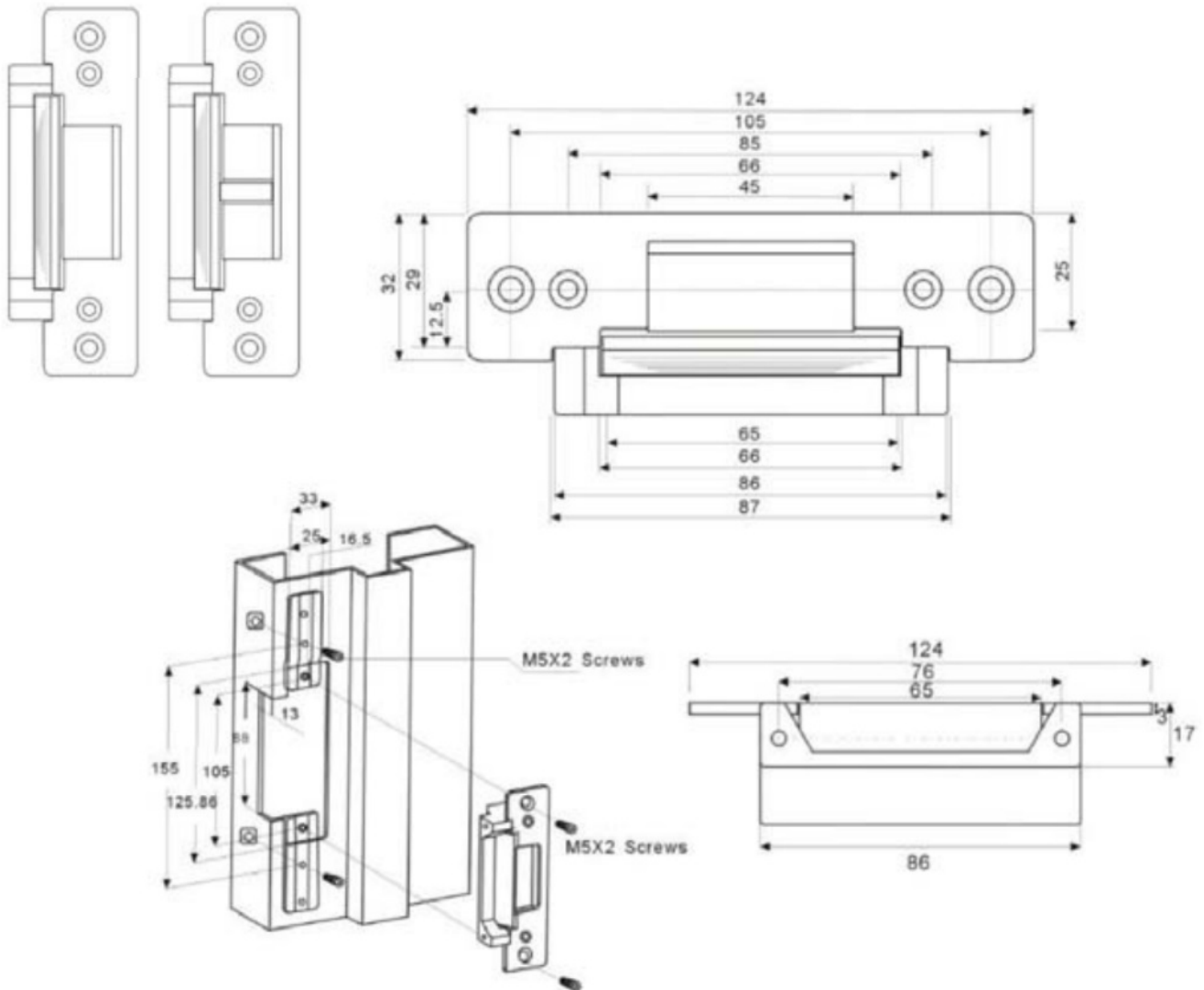
For in-swing door, install the lock body inside and install the ZL bracket at the same time.



U Mounting Bracket:

Magnetic locks installed in glass doors require an extra U bracket (for 10-15mm thickness).

Dimensions	124 x 32 x 32.5mm
Voltage	12VDC
Current	250mA



Electric Strike Installation

1. Cut away an opening to the appropriate size based on the diagram above.
2. Run the wires through the door frame and to the Electric Strike.
3. Refer to the wiring diagram section for Electric Strike wiring.
4. Secure the Electric Strike using the screws provided.

The American Standard Electric Strike is normally set to a fail-safe configuration but may be manually configured to fail-secure by following these steps:

1. Remove the two screws holding the faceplate using a star wrench. Set the faceplate and inner bracket aside.



2. Next, remove the two screws holding the locking cylinder in place. Slide the cylinder to the second position as shown and secure in place using the same screws that were removed. Note, you may need to slide the wires through the zip tie that holds them in place.



3. Depress the spring-loaded locking tongue and reassemble the bracket and faceplate using the screws that were removed.



Fail secure



Fail safe

WIRING DIAGRAMS

NOTE: Please refer to your local building codes and property requirements for appropriate fail-safe and fail-secure wiring.

Scenario A: Electromagnetic Lock (Fail-Safe)

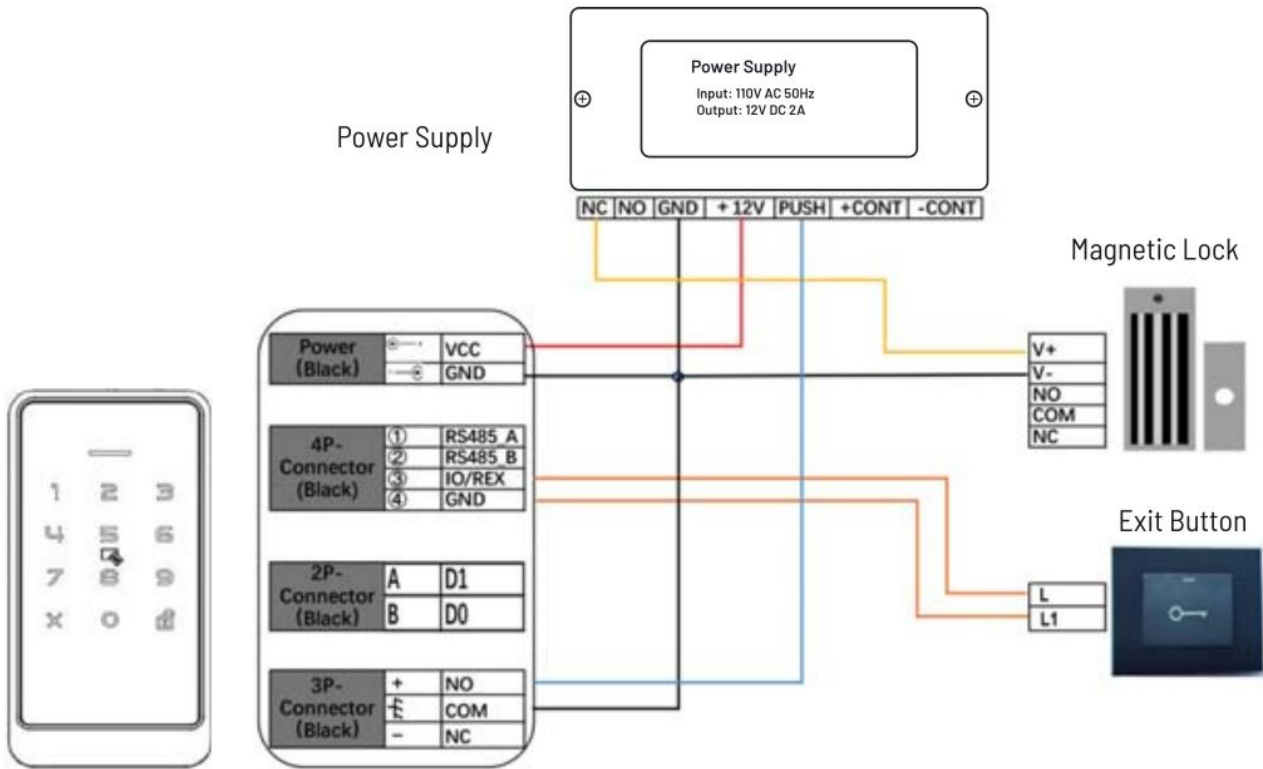
Scenario B: Electric Strike (Fail-Safe)

Scenario C: Electric Strike (Fail-Secure)

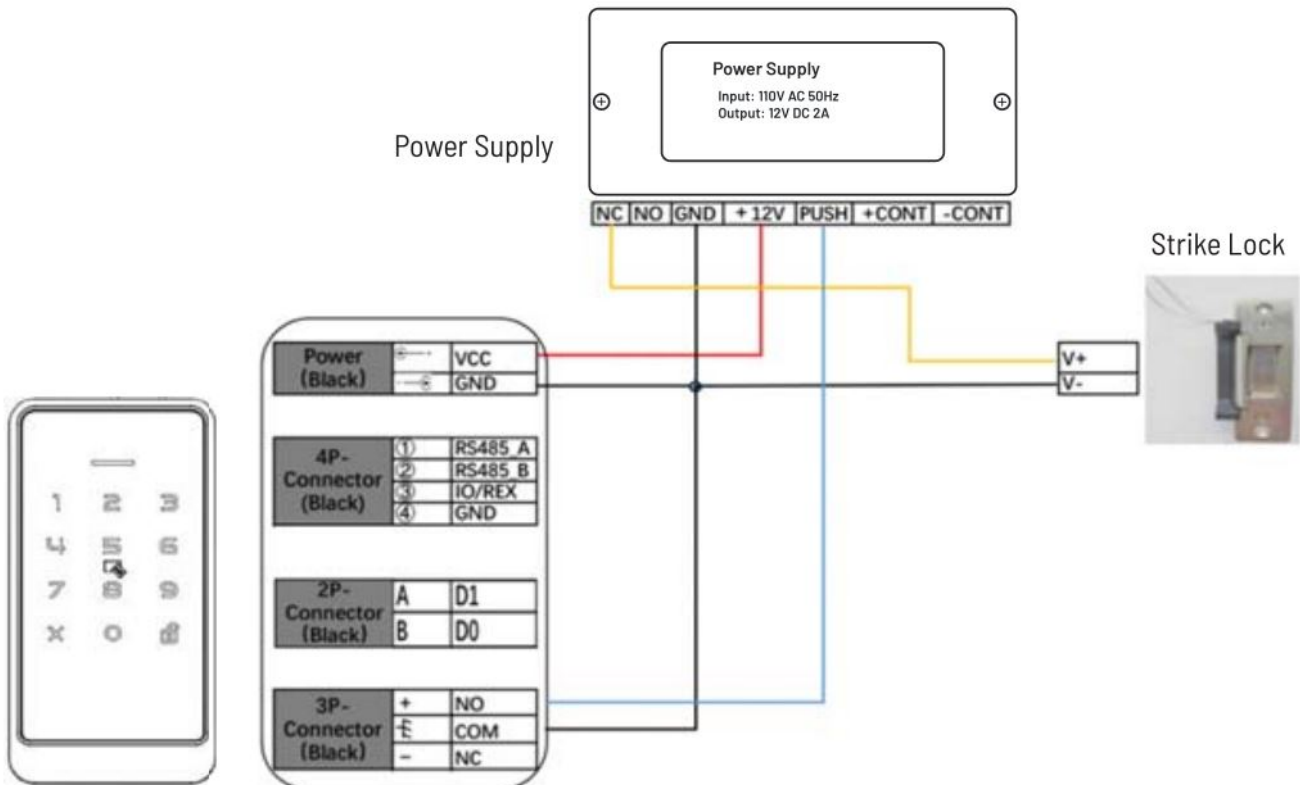
Scenario D: Fail-Safe 24V Lock

Scenario E: Fail-Secure 24V Lock

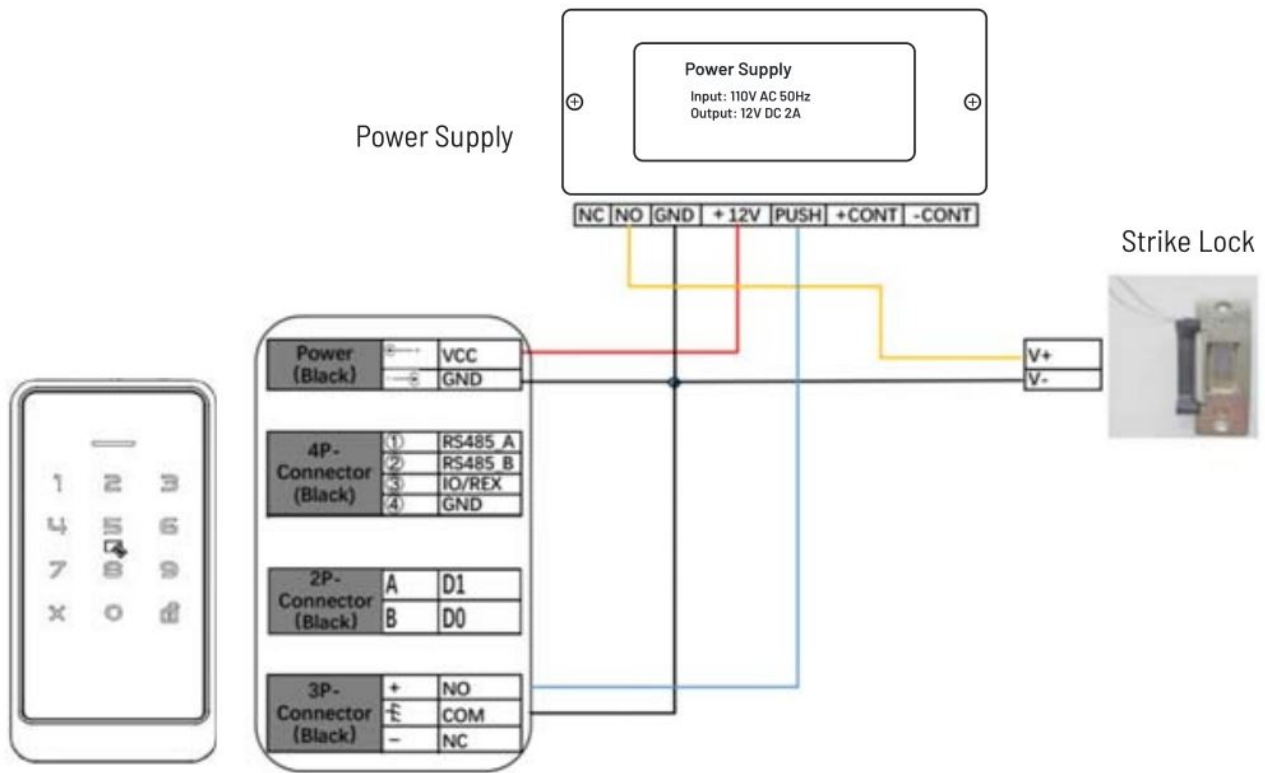
Scenario A: Electromagnetic Lock (Fail-Safe)



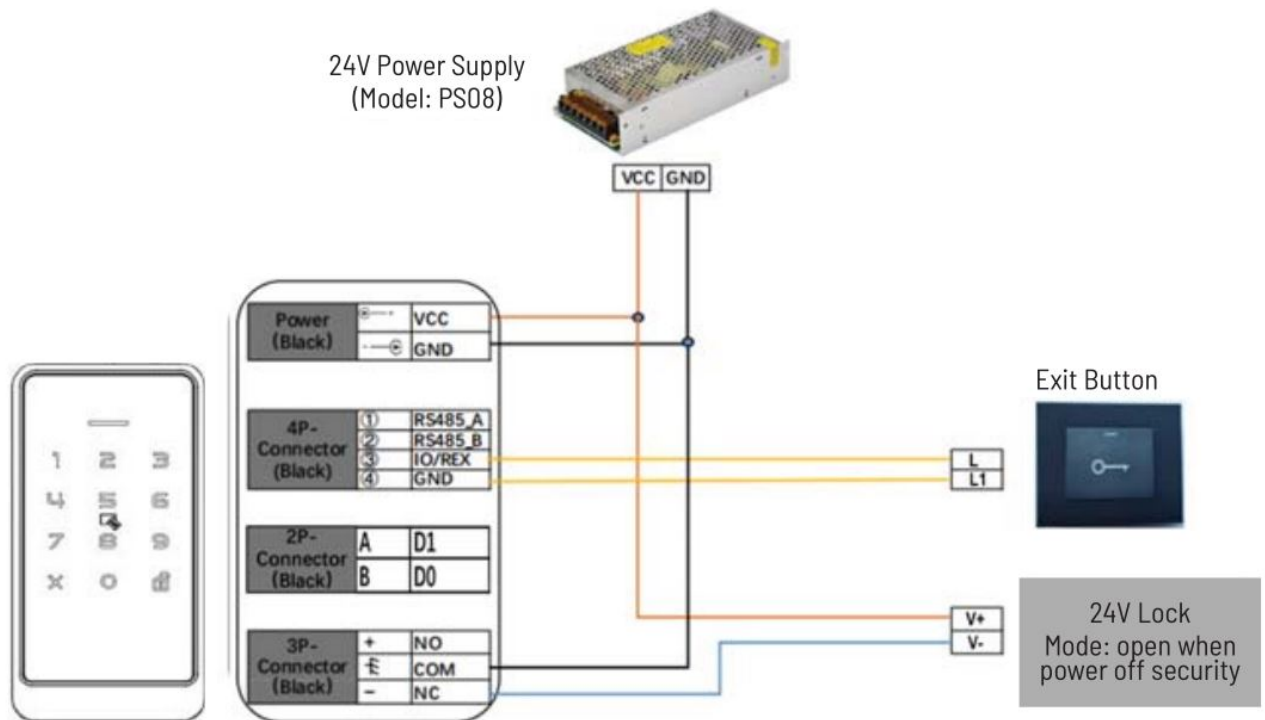
Scenario B: Electric Strike (Fail-Safe)



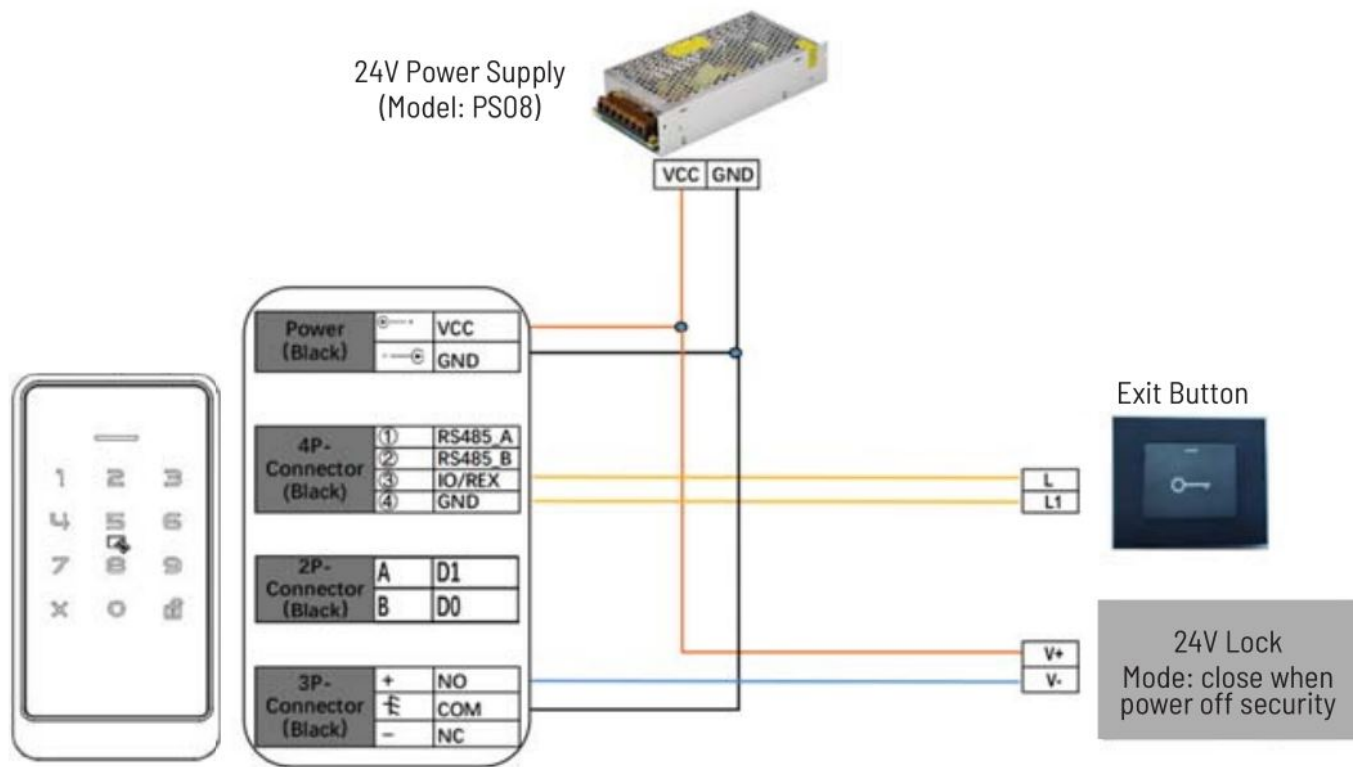
Scenario C: Electric Strike (Fail-Secure)



Scenario D: Fail-Safe 24V Lock



Scenario E: Fail-Secure 24V Lock



INSTALLATION TEST

With the components installed and wired, please carry out this simple test to ensure that the Rently smart access control system was installed correctly and is fully functional.

To ensure that the wiring was done correctly, please press the exit button to see if the lock releases for a few seconds.

If the test fails, please reexamine the installation and wiring of the Rently smart access control system.

If the test is successful, please install and power on your Rently Hub. The hub will automatically connect to the Rently smart access control system when powered on.

Once the light on the back of the hub is solid blue, you are all set.

For more information on how to set up manager and resident access, please scan the QR code or reach us at:



(855)-248-8144

support@rentlykeyless.com



FCC WARNING

This device complies with part 15 of the FCC Rules. Operations is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.


Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

FCC ID: 2AH4J-PANEL342

Documents / Resources

	<p>Consumer 2 Access Panel 3 Smart Home Device [pdf] Installation Guide</p> <p>PANEL342, 2AH4J-PANEL342, 2AH4JPANEL342, Access Panel 3 Smart Home Device, Access Panel 3, Smart Home Device</p>
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