

## Features

- Face recognition access
- Mobile app access
- Multi-tenant video intercom
- PIN access
- Visitor temporary access
- Cloud based access control management
- Uses built in relays or external secure relay board
- general purpose inputs for postal lock boxes, Amazon Key for Business and other applications



See all installation manuals:

<https://www.swiftlane.com/swiftlane-installation-manual>

Scan QR code to visit all installation manuals

Support

✉ [support@swiftlane.com](mailto:support@swiftlane.com)

☎ 505-65-SWIFT / 505-657-9438

🌐 <https://www.swiftlane.com>

Sales

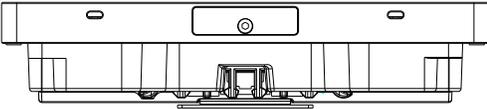
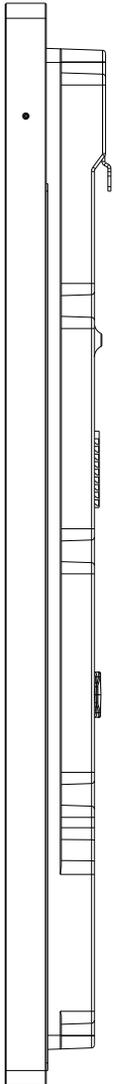
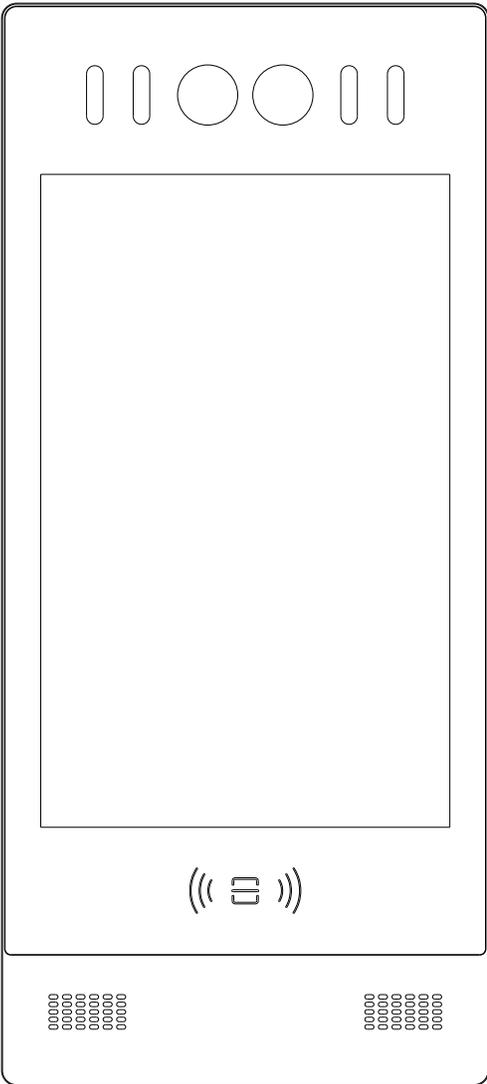
✉ [sales@swiftlane.com](mailto:sales@swiftlane.com)

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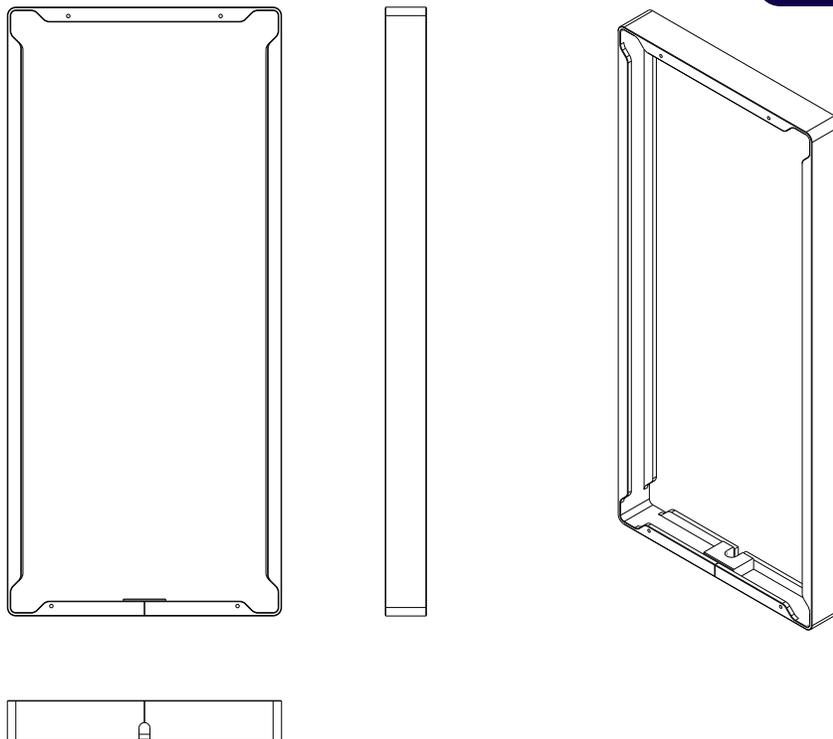


SL-SV-10

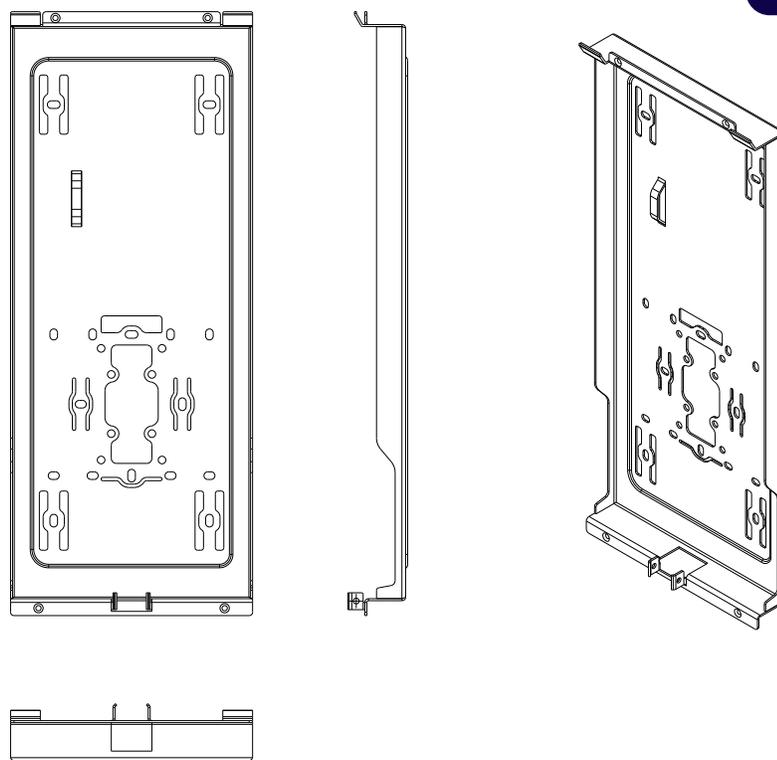




## Wall Mounting Box



## Flush Mounting Bracket

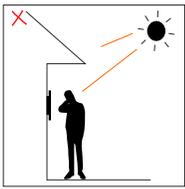




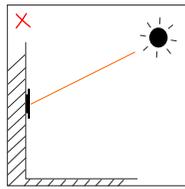
The device can be installed in both indoor and outdoor environments.

**Outdoor installation:** Avoid exposing the device to direct sunlight, which will cause damage to device and components due to high temperature.

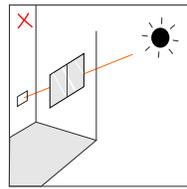
**Indoor installation:** The device should be installed 2 meters (6 feet) away from light or 3 meters (9 feet) away from window/door.



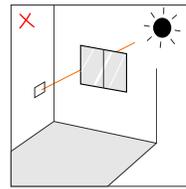
BACKLIGHT



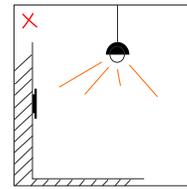
DIRECT SUNLIGHT



DIRECT SUNLIGHT THROUGH WINDOW

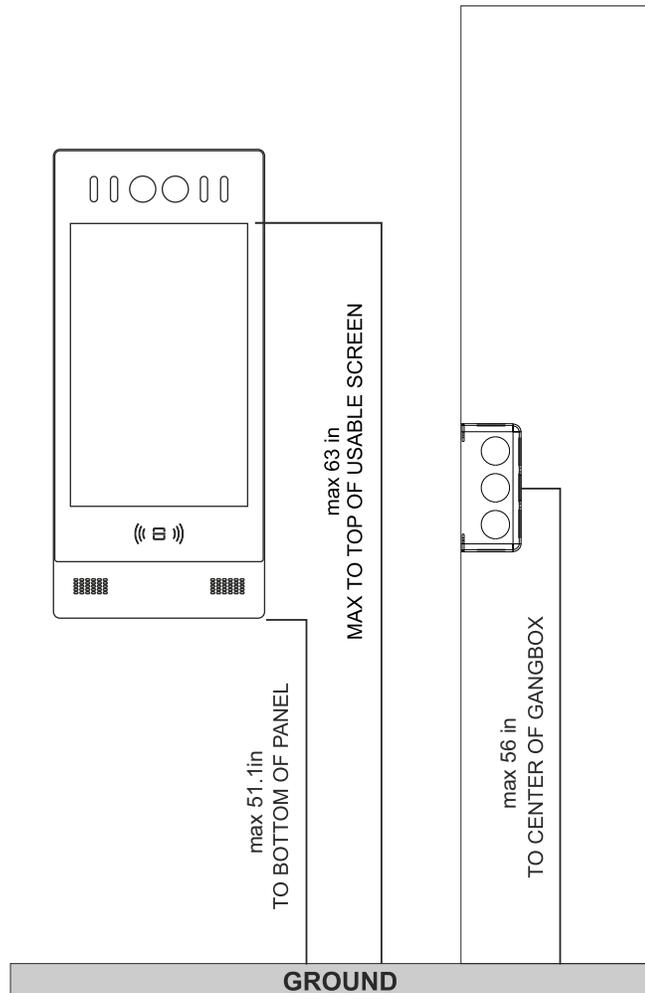


INDIRECT SUNLIGHT THROUGH WINDOW



CLOSE TO LIGHT

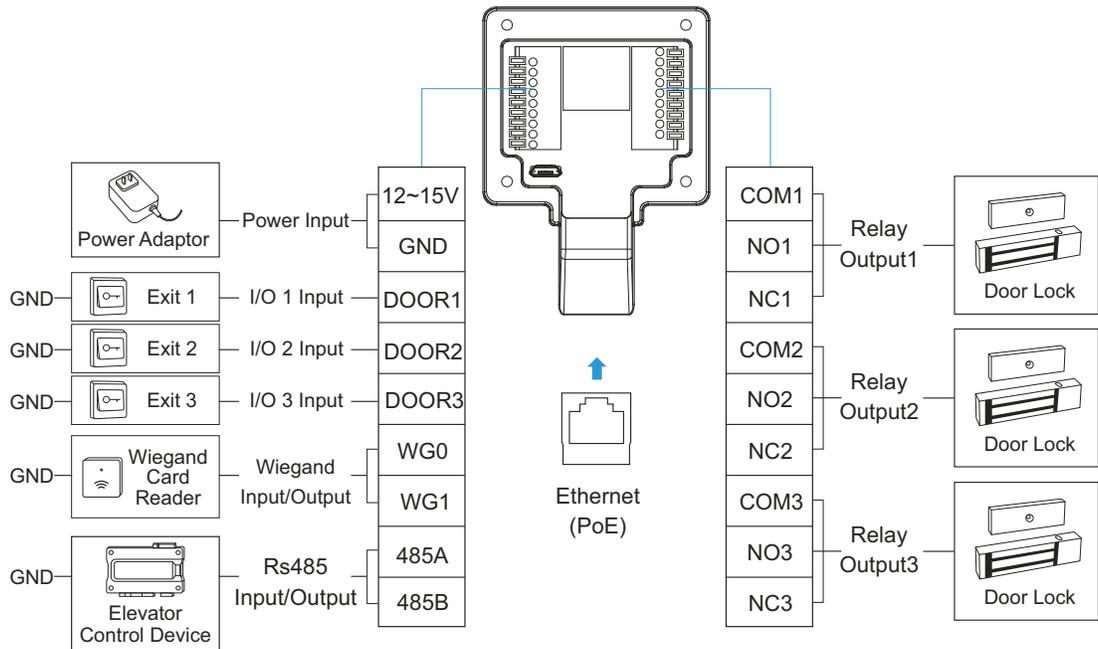
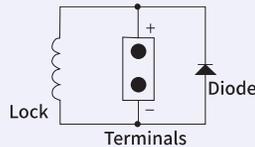
REGULAR  
INSTALLATION



## **WARNING**

When you connect a device containing a coil, such as a relay or an electromagnetic lock, it is necessary to protect the intercom against voltage peak while switching off the induction load

For this way of protection we recommend a diode 1A / 200V (included in the accessories) connected antiparallel to the device



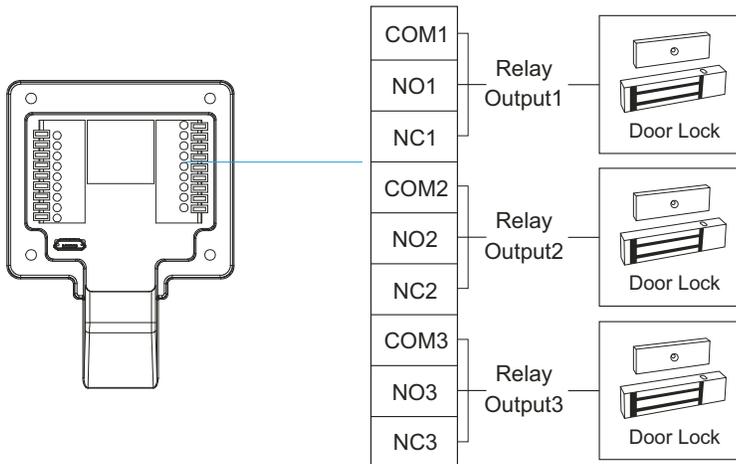
## NOTES

- Power supply: 12-15V DC or PoE+ (IEEE 802.3at, 25 Watt min)
- Ethernet cable required - supported types cat5e, cat6
- WiFi connection is not supported
- Stable internet connection required - If connection is not stable, a cellular backup router can be provided by Swiftlane
- Ethernet supports just data or data + power (PoE+ IEEE 802.3at)
- Only DC strikes can be used with the built in relay

# Connecting to DC Door Lock with Built in Relay



SWIFTLANE

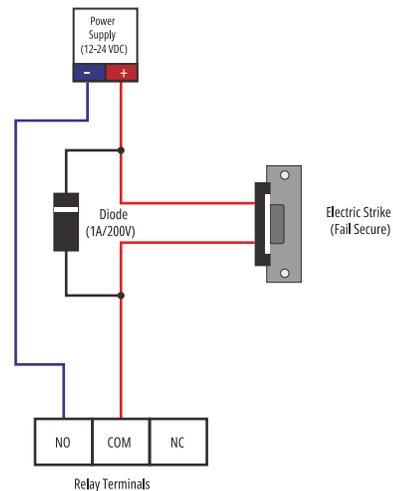
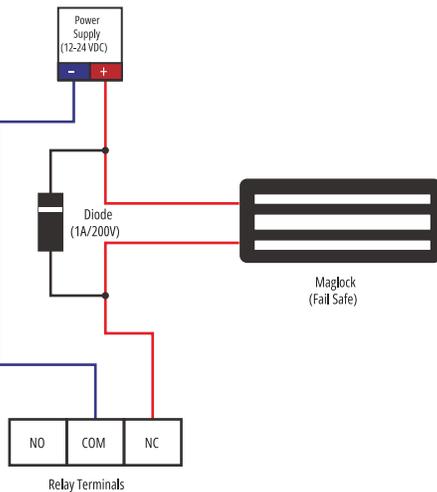


Required cable: 18-22 AWG  
Recommended: shielded



## WARNING

When you connect a device containing a coil, such as a relay or an electromagnetic lock, it is necessary to protect the intercom against voltage peak while switching off the induction load. For this way of protection we recommend a diode 1A / 200V (included in the accessories) connected antiparallel (cathode of diode is connected to positive terminal of power supply and anode is connected to the negative terminal) to the device. The diagram below shows how to connect the diode to Maglock (Fail Safe) and Electric Strike (Fail Secure). The diode should be placed close to the locking hardware terminals



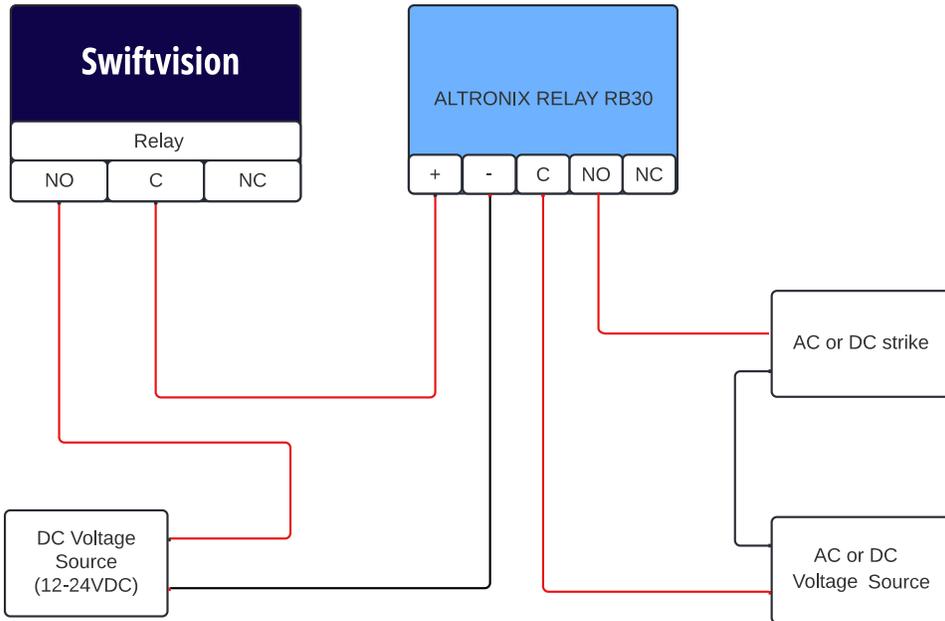
## NOTES

- Economic solution - Installation without a Door Controller Unit
- Built in relays are dry contact
- Up to 3 DC strikes can be used with the built in relays
- Only DC strikes are supported
- Rated load of relay contacts: 3A, 30V DC
- Less secure since relays are not on the secure side

# Connecting to AC (or DC) strike or DC maglock with External Relay Board RB30



SWIFTLANE



Required cable: 18-22 AWG  
Recommended: shielded

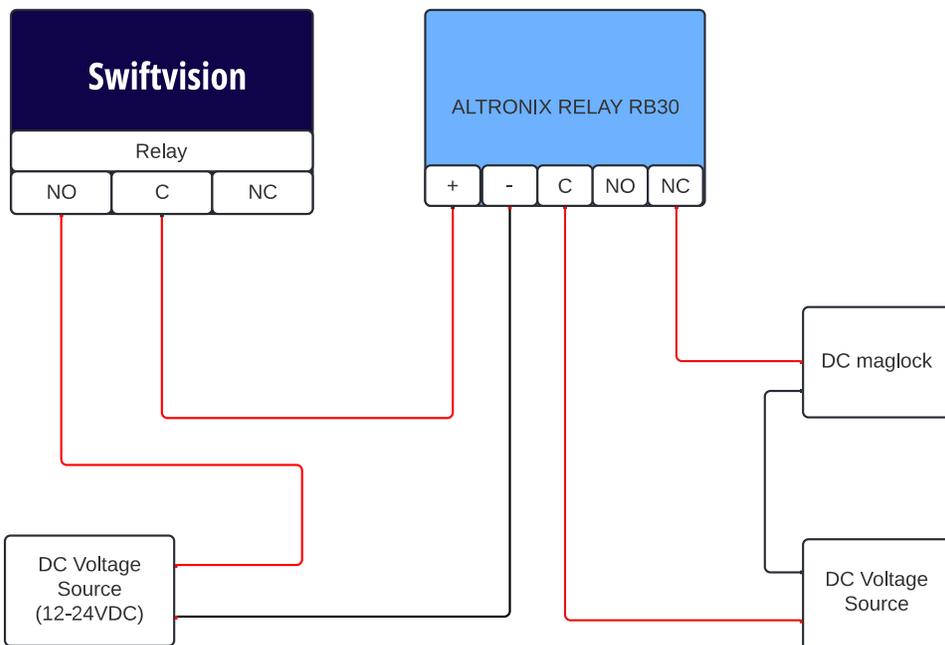


Set switch of Rb30 to select 12VDC  
or 24V DC operation

ON for 12VDC, OFF for 24VDC

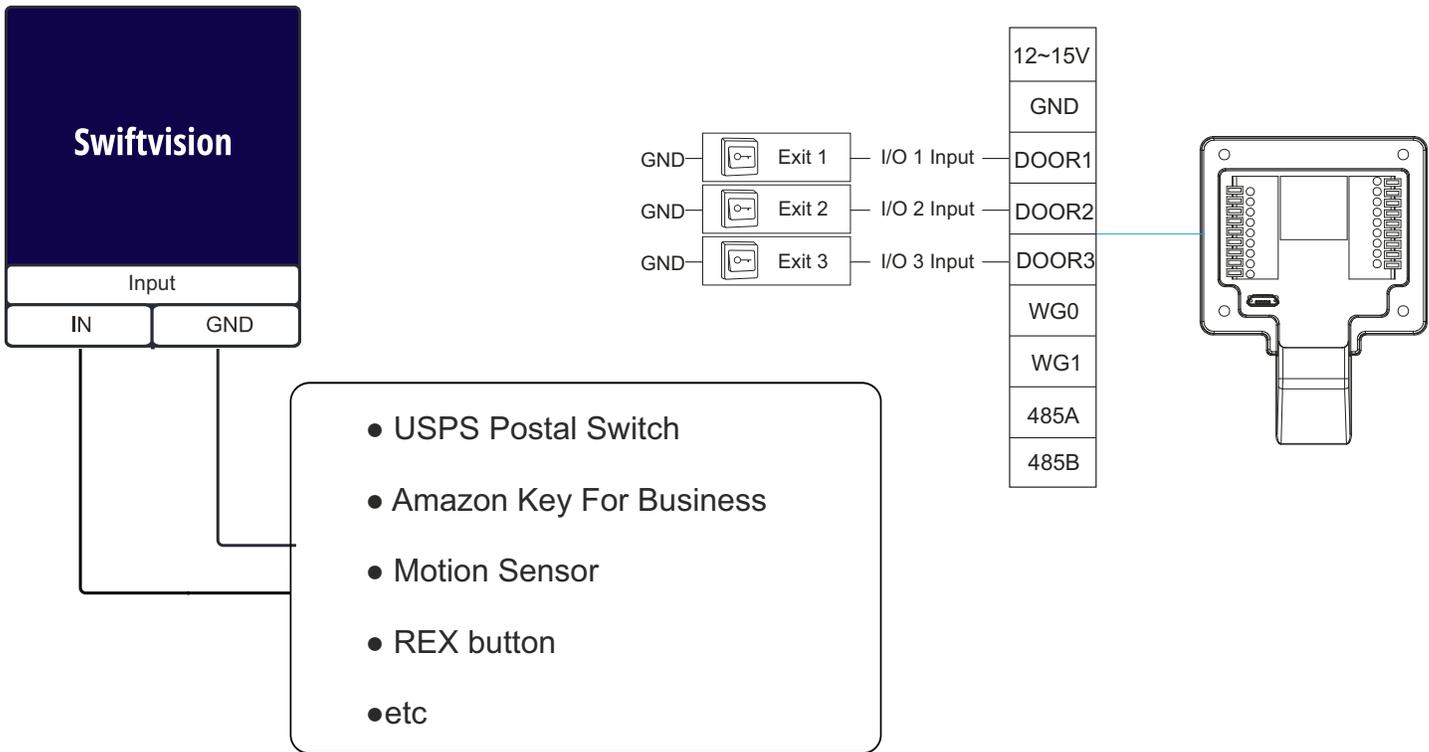
Please check instructions

[https://www.altronix.com/library/pdf/installation\\_instructions/RB30.pdf](https://www.altronix.com/library/pdf/installation_instructions/RB30.pdf)



## NOTES

- The built-in relays are not designed for AC locks, use an external isolation relay
- Economic solution to connect existing AC lock without a Door Controller Unit
- Altronix RB30 <https://www.altronix.com/products/RB30>



**DPS MAPPINGS** [Add Mapping](#)

Actions	Device	DPS number	Created at
<p>No data</p>			

**REX MAPPINGS** [Add Mapping](#)

Actions	Device	Rex number	Rex unlock Duration	Created at
<p>No data</p>				

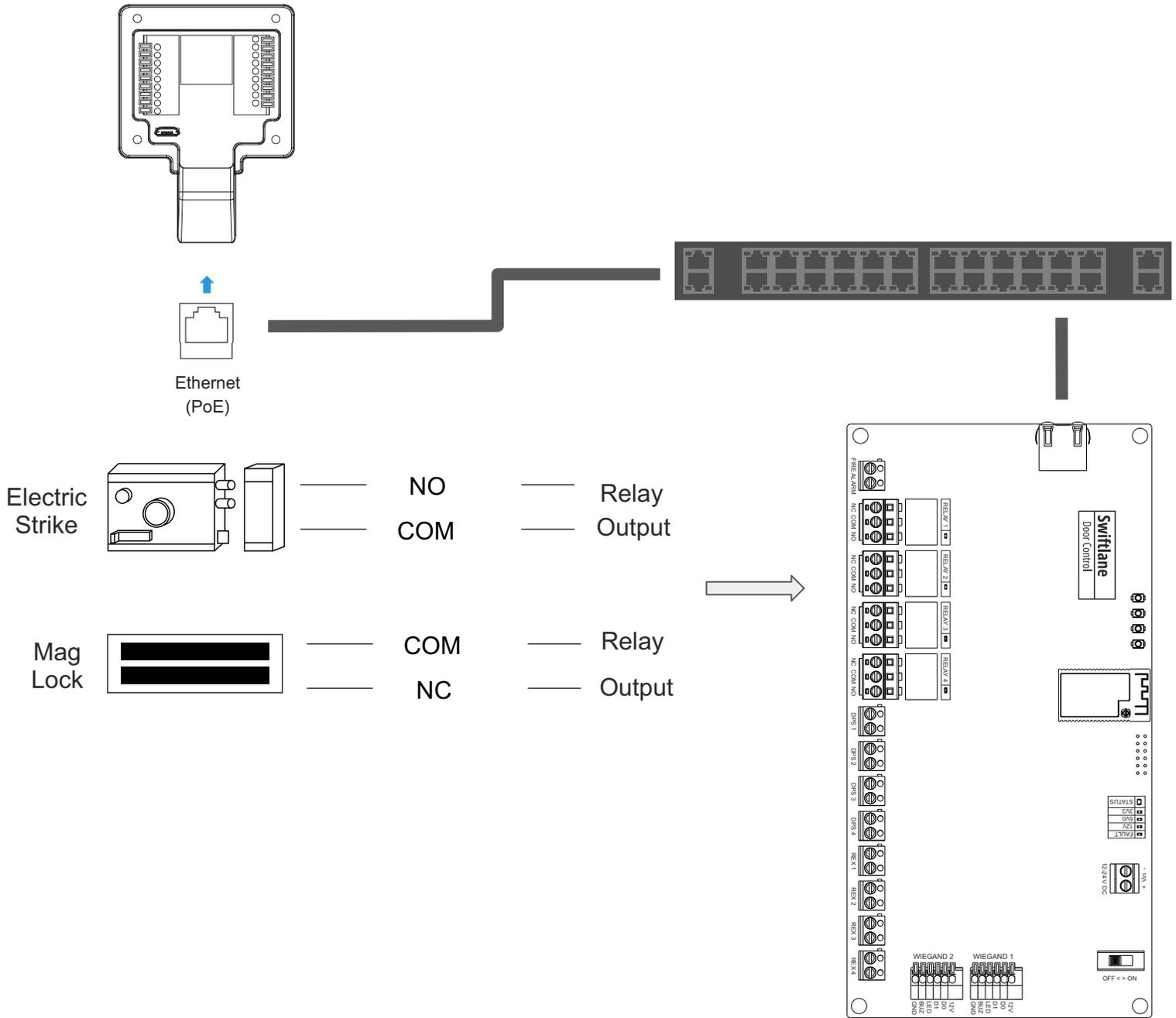
### NOTES

- Connect dry contact relays from any external postal switch, Amazon Key For Business or Motion Sensor to one of the general purpose dry contact inputs.
- Access to USPS can be given through a unique PIN, so postal switch is not required
- Once the wires are connected, it's important to enable the inputs on the admin dashboard. Go to [admin.swiftlane.com](http://admin.swiftlane.com) -> Hardware -> Swiftvision and enable REX inputs
- Inputs can only trigger "built in relay outputs", not external relays from Door Controller Unit

# Connecting to Door Locks with External Door Controller Unit

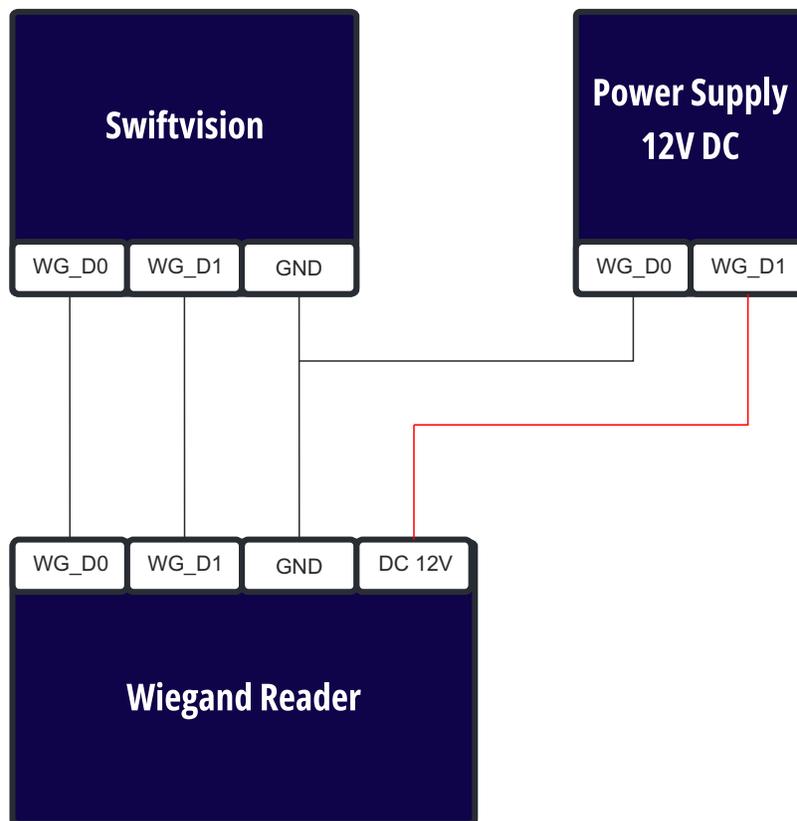
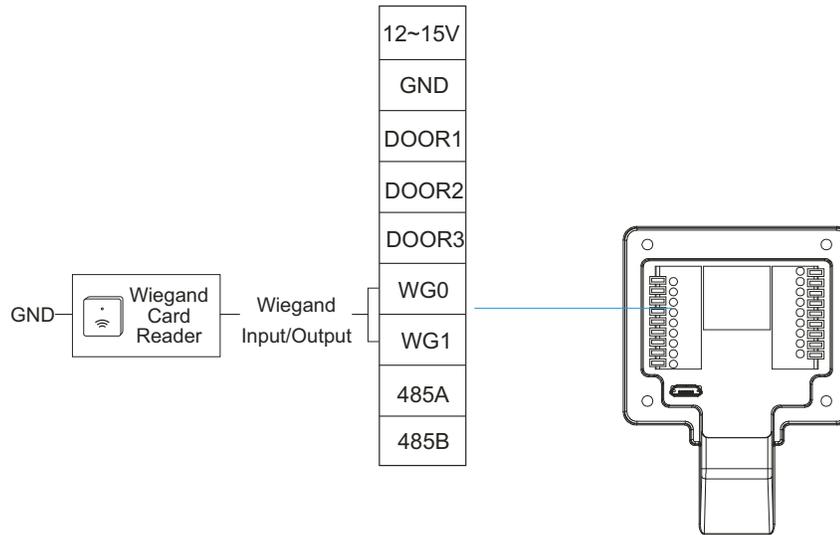


SWIFTLANE



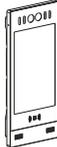
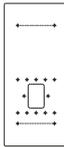
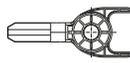
## NOTES

- DCU relays are on the inside, on the secure side of the building
- DCU relays are more expensive, since you need to purchase DCU hardware. power supply and additional installation needs to be performed
- The DCU board can also support 2 Wiegand key card / fob readers, as well as elevator support and fire alarm inputs
- Please refer to a separate document for instructions on: <https://www.swiftlane.com/swiftlane-installation-manual/>



## NOTES

- LED and Beep from the Wiegand reader are not connected to the Swiftvision

<b>SL-SV-10</b>  x1	<b>Wall Mount Drilling Template Sticker</b>  x1	<b>Hexagonal Wrench</b>  x1 <b>%JTBTTFNCMZ,FZ</b>  x1	<b>Back Cover</b>  x1 <b>4DSFX 459</b>  x4	<b>Screw (M3x6)</b>  x4 <b>Wall anchor</b>  x4	<b>Screw (M4x25)</b>  x4 <b>Rope</b>  x1
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For wall mounting

<b>Wall-Mounting Box</b>  x1	<b>Mounting Bracket</b>  x1
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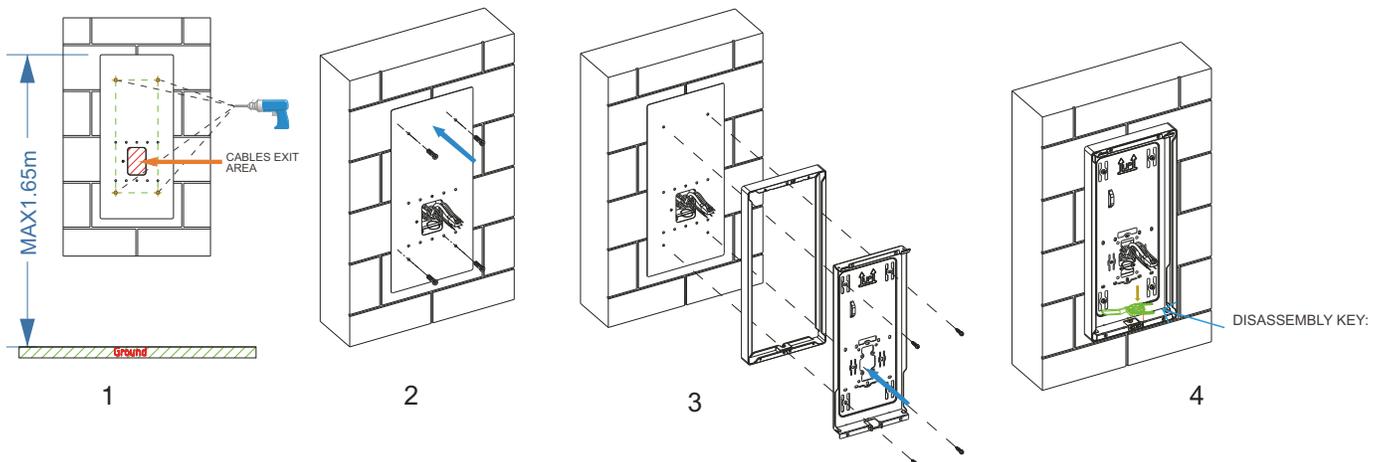
For flush mounting

<b>Embedded box</b>  x1	<b>Mounting Bracket</b>  x1
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## Wall mounting

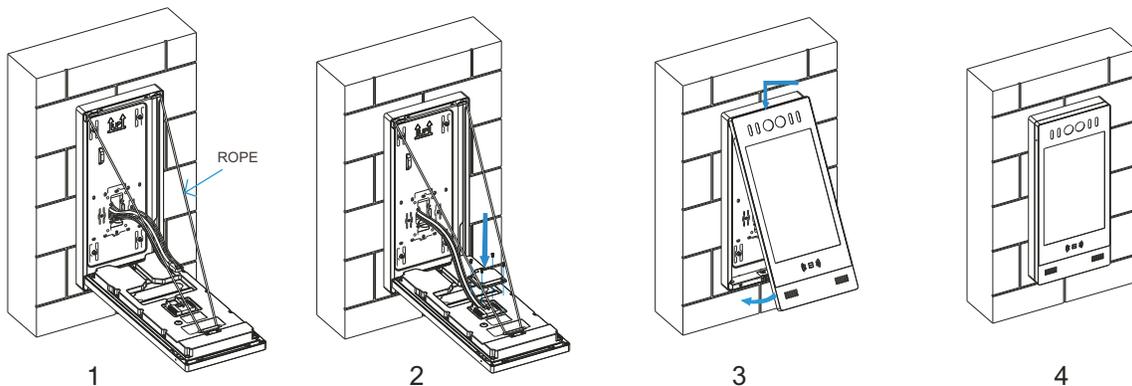
### STEP 1

- Place the Wall-mount drilling template sticker at a maximum height of 1.65 meters above the ground (adjust the height according to actual conditions), drill four holes with a diameter of 5.0 millimeters at the corresponding positions, and locate the wiring hole in the middle and lower section.
- Hammer in the four Drywall anchors into the four drilled holes.
- Insert the Mounting bracket into the Wall-mounting box/frame, align it with the template holes, pull out the network cable and wiring through the bracket hole. Secure the entire Wall-mounted assembly (Wall-mounted box + bracket) by tightening the four M4X20 screws.
- Take out the disassembly key (Purpose: to protect the main unit from being scratched during wiring). As shown in the image, align the slot at the bottom of the key with the top part of the square metal tabs protruding from the Mounting bracket, and snap the key into the tabs.



## STEP2

1. As illustrated, one end of the main unit is hung on the two hanging ears on the top of the Mounting bracket using a rope, while the other end is placed flat and pressed against the cavity inside the Mounting bracket (with the main unit's surface against the surface of the disassembly key).
2. After the cable and network port are connected correctly to the back of the main unit according to the labels, secure the Back cover is to the back of the main unit with four M3x6 countersunk screws.
3. Untie the rope, remove the disassembly key, and tilt the main unit about 30 degrees downward to slide it into the two side ears on the top of the Mounting bracket. Press the main unit inward and rotate to snap it into the slot at the bottom of the Mounting bracket (you should hear two "click" sounds, indicating that it is securely fastened).
4. The installation of the main unit in the surface-mounted box is complete.

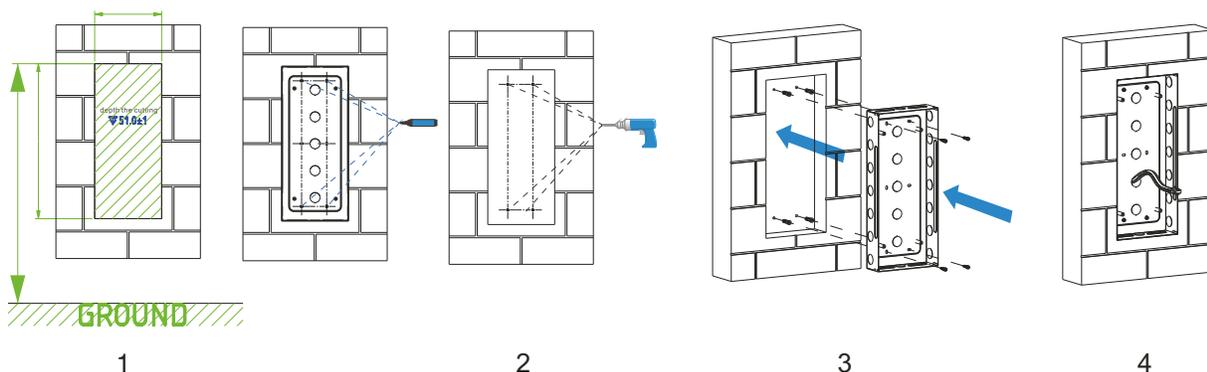


## Flush mounting

### STEP1

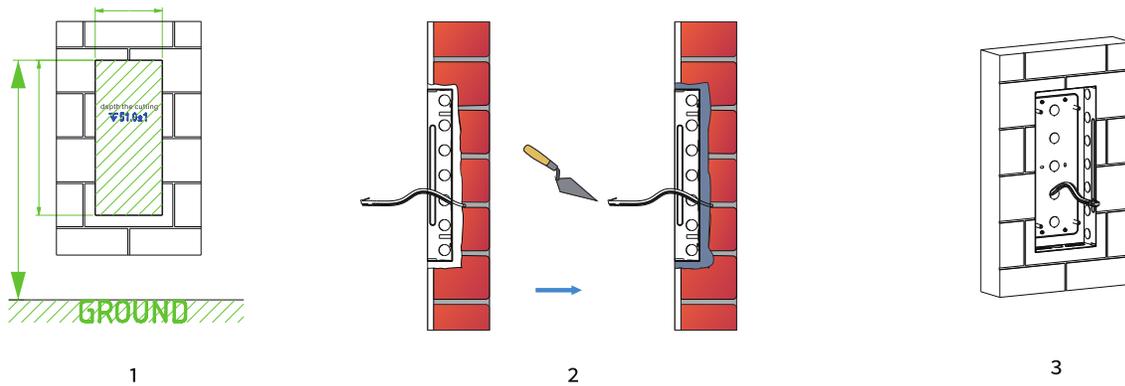
#### Method of fixing the embedded box using Drywall anchor

1. At a maximum height of 1.6 meters from the floor, cut a rectangular slot with dimensions: 345(L) x 149(W) x 51(D) millimeters.
2. Place the Embedded box into the slot and use a marker to mark the drilling positions according to the screw holes on the wall box.
3. Remove the Embedded box and drill four holes at the marked spots using a 5.0 mm diameter drill bit.
4. Hammer four Drywall anchors into the holes and use four ST4x 20 self-tapping screws to fix the embedded box inside the wall slot.
5. The installation of the embedded box is complete.



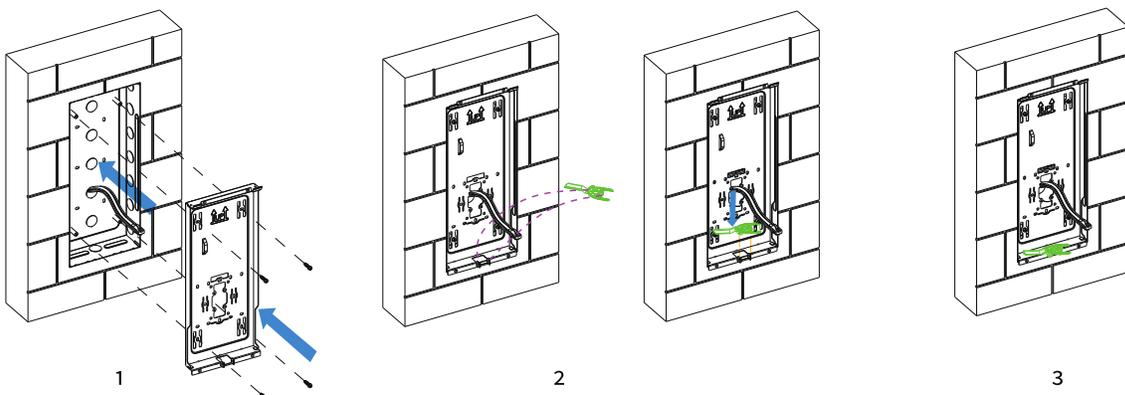
## Method of fixing the embedded wall box with cement glue

1. At a maximum height of 1.6 meters from the floor, cut a rectangular slot with dimensions: 345(L) x 149(W) x 51(D) millimeters.
2. Fill and fix the gaps between the embedded box and the wall opening with cement or other non-corrosive construction adhesives, and brush the surface of the gap with the same decorative material as the surrounding walls. Wait for the cement or construction adhesive to set before proceeding with subsequent operations.
3. The installation of the embedded box is complete.



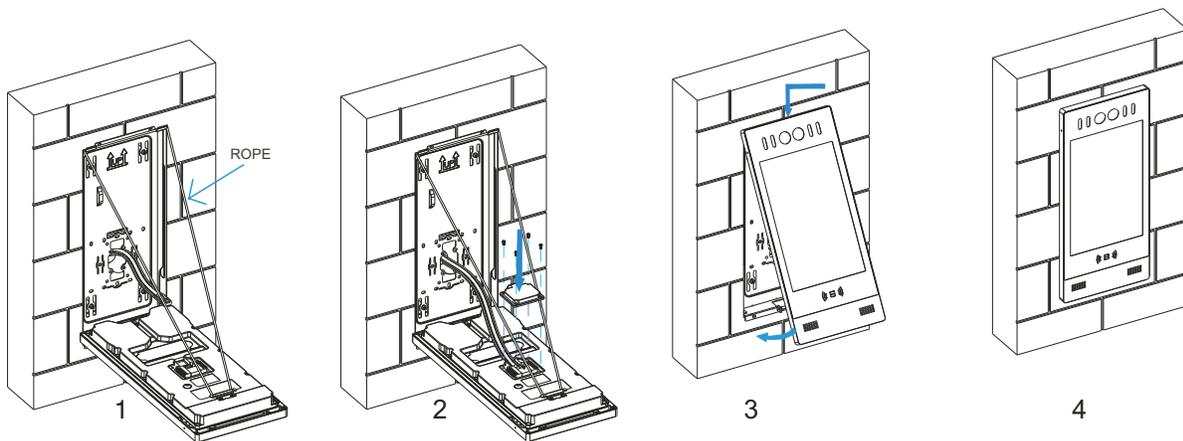
## STEP 2

1. The network cable and other wires pass through the holes of the Mounting bracket, which is then inserted into the embedded box. Secure with four M4X25 machine screws, fixing the entire Embedded box onto the four studs.
2. Take out the disassembly key (Purpose: to protect the main unit from being scratched during wiring). As shown in the image, align the slot at the bottom of the key with the top part of the square metal tabs protruding from the Mounting bracket, and snap the key into the tabs.
3. Complete the installation of the entire embedded wall component (embedded box+ Mounting bracket + disassembly key)



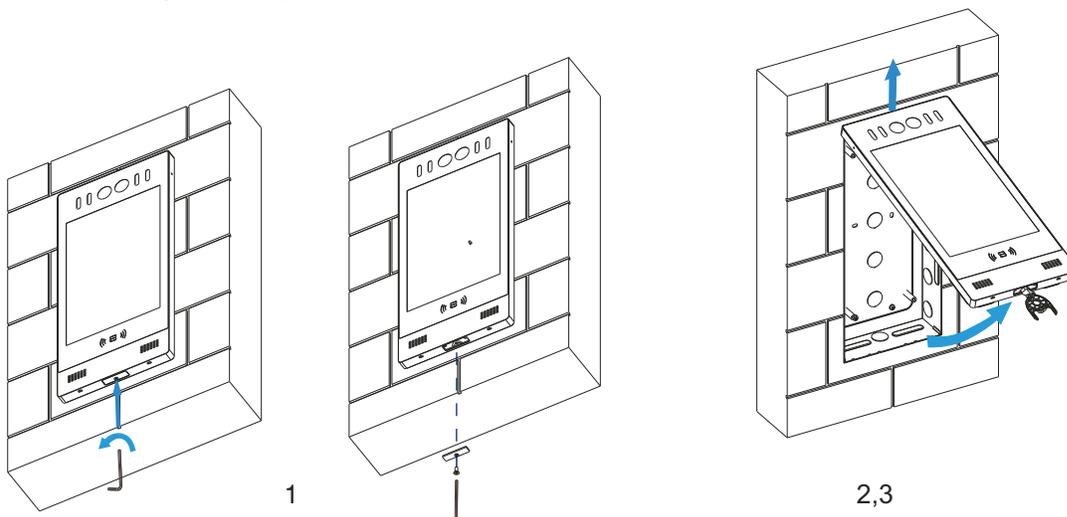
## STEP 3

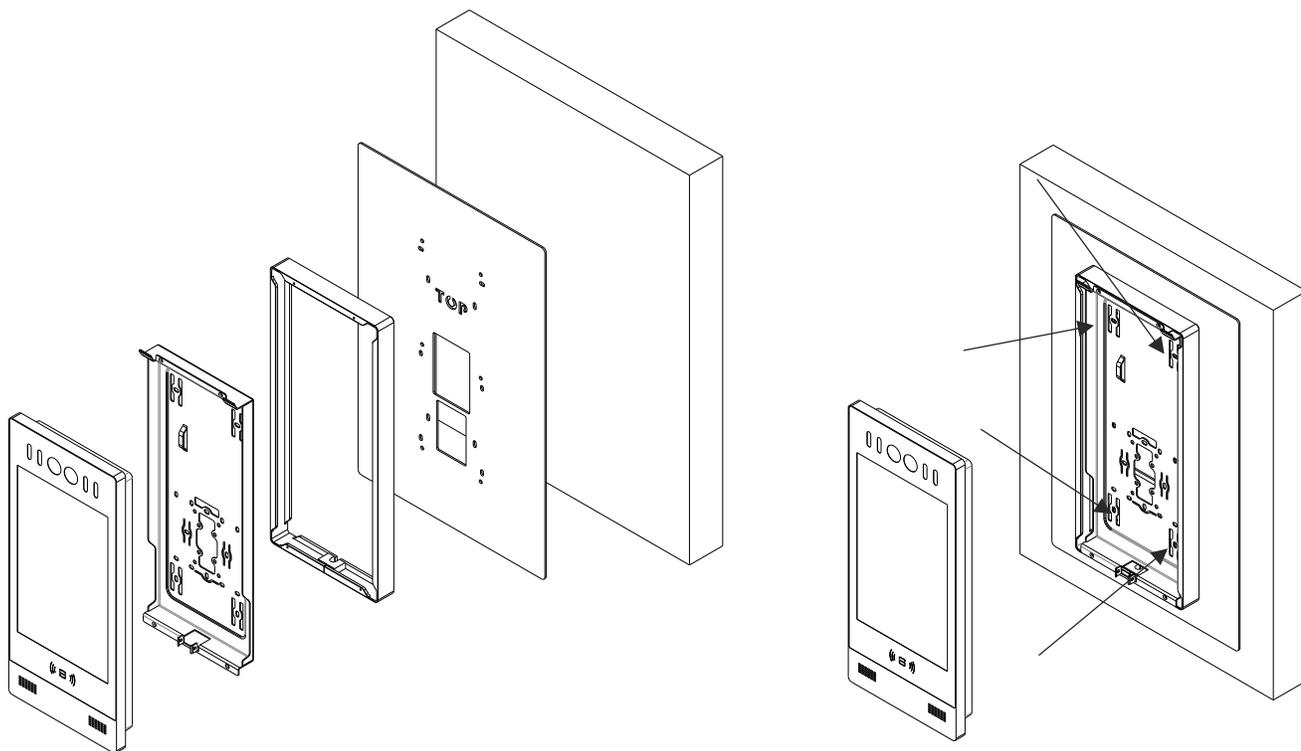
1. As illustrated, one end of the main unit is hung on the two hanging ears on the top of the Mounting bracket using a rope, while the other end is placed flat and pressed against the cavity inside the Mounting bracket (with the main unit's surface against the surface of the disassembly key).
2. After the cable and network port are connected correctly to the back of the main unit according to the labels, secure the Back cover is to the back of the main unit with four M3x6 countersunk screws.
3. Untie the rope, remove the disassembly key, and tilt the main unit about 30 degrees downward to slide it into the two side ears on the top of the Mounting bracket. Press the main unit inward and rotate to snap it into the slot at the bottom of the Mounting bracket (you should hear two "click" sounds, indicating that it is securely fastened)
4. The installation of the main unit in the surface-mounted box is complete.



## Main Unit Disassembly

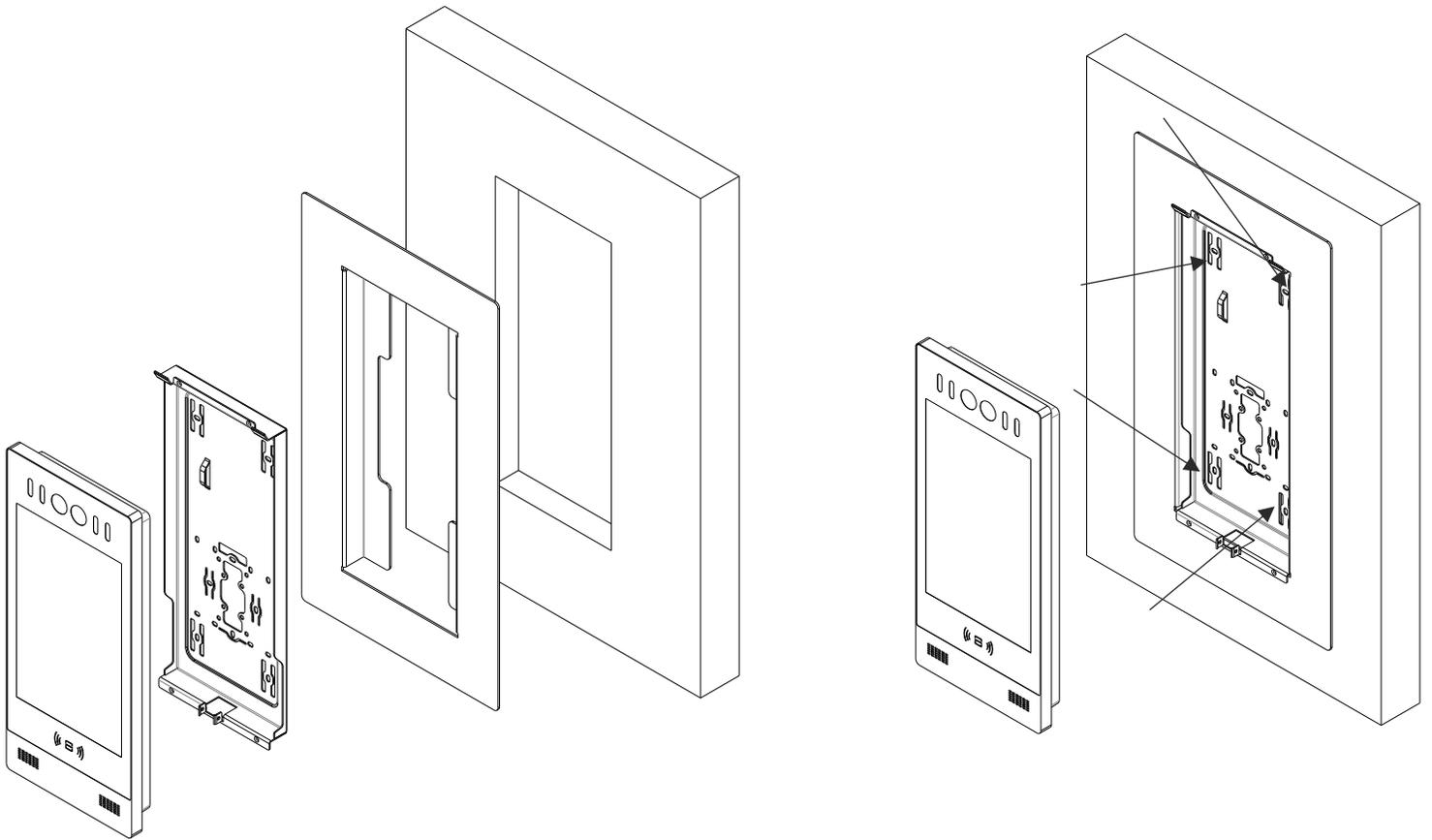
1. Use an Allen wrench to align with the hexagonal slot of the screw on the bottom side of the main unit. Rotate counter-clockwise to remove the screw, take off the small rectangular aluminum plate, revealing an 'A' - shaped disassembly hole in the main unit.
2. Insert the disassembly key into the hole, flip the main unit upwards and rotate. Grasp the main unit with both hands and lift it up, detaching it from the hanging ears on top of the Mounting bracket.
3. Main unit disassembly is complete.





If a finishing plate will be used, this will be fixed through the wall mounting box at the existing holes

Avoid using visible screws - If visible screws have to be used though, these should be of security type



If a finishing plate will be used, this will be fixed through the mounting bracket at the existing holes

Wood blocking may be required to adjust the recess depth

Avoid using visible screws - If visible screws have to be used though, these should be of security type