

## 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

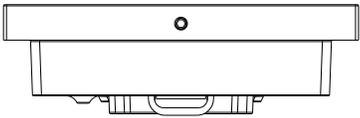
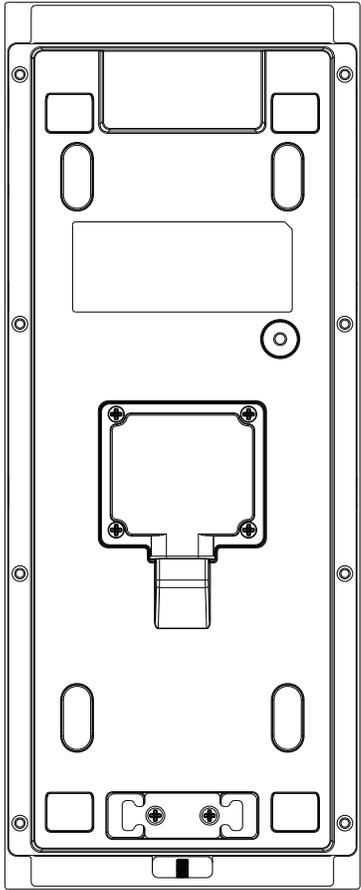
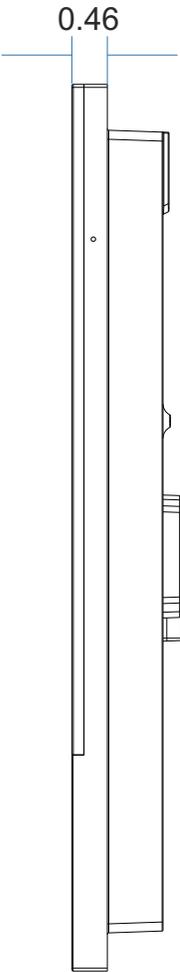
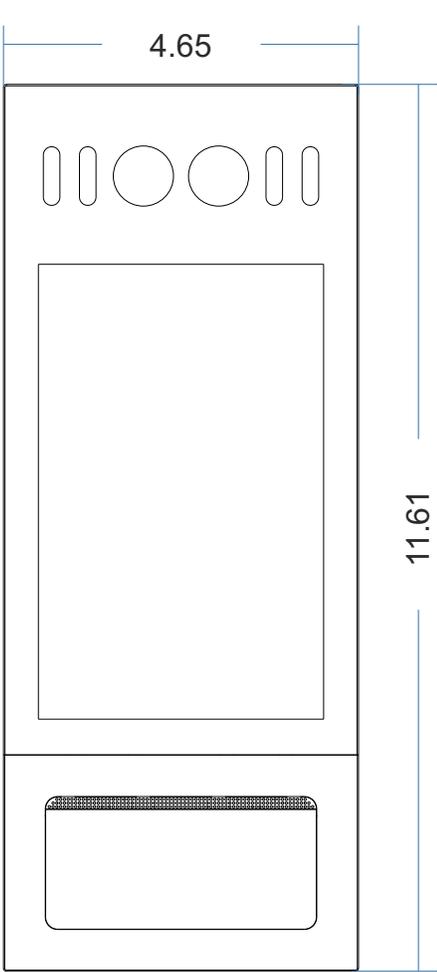
✉ [sales@swiftlane.com](mailto:sales@swiftlane.com)

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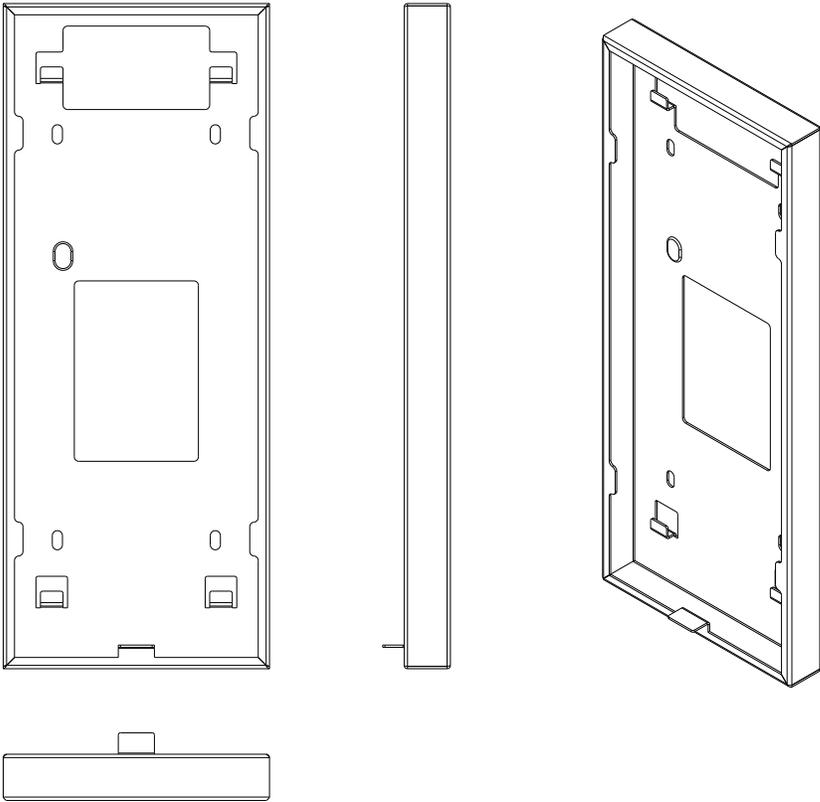


SL-SV-7

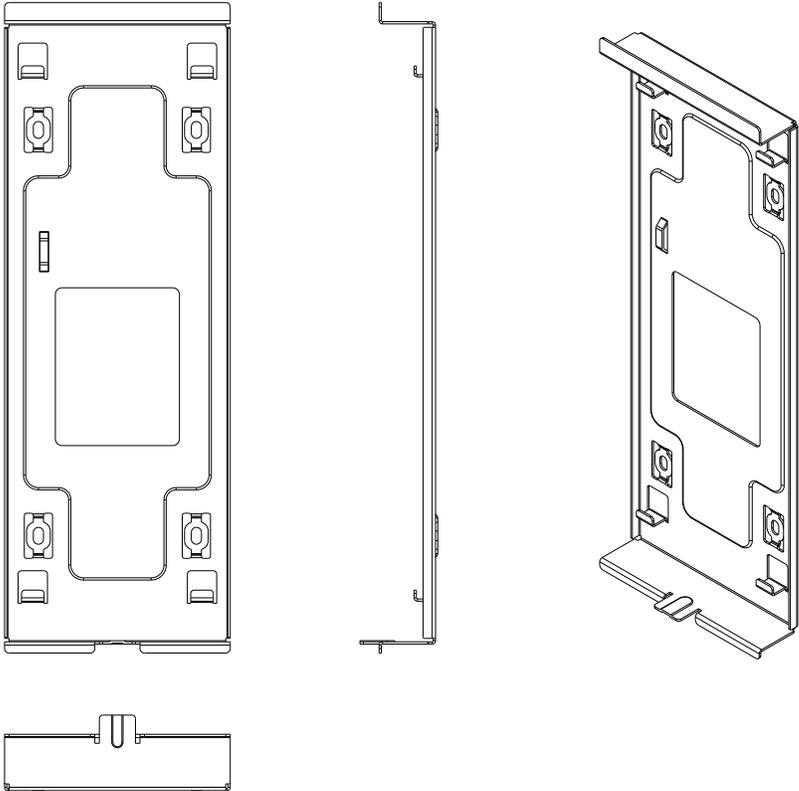




Wall Mounting Box



Flush Mounting Bracket

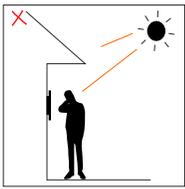




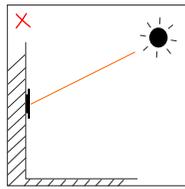
The device can be installed in both indoor and outdoor environments.

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

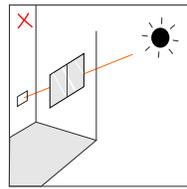
**Indoor installation:** The device should be installed 2 meters (6 feet) away from light or 3 meters (9 feet) away from window/door.



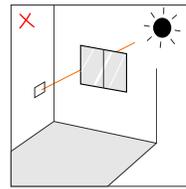
BACKLIGHT



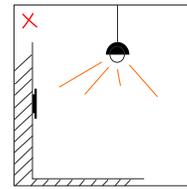
DIRECT SUNLIGHT



DIRECT SUNLIGHT THROUGH WINDOW

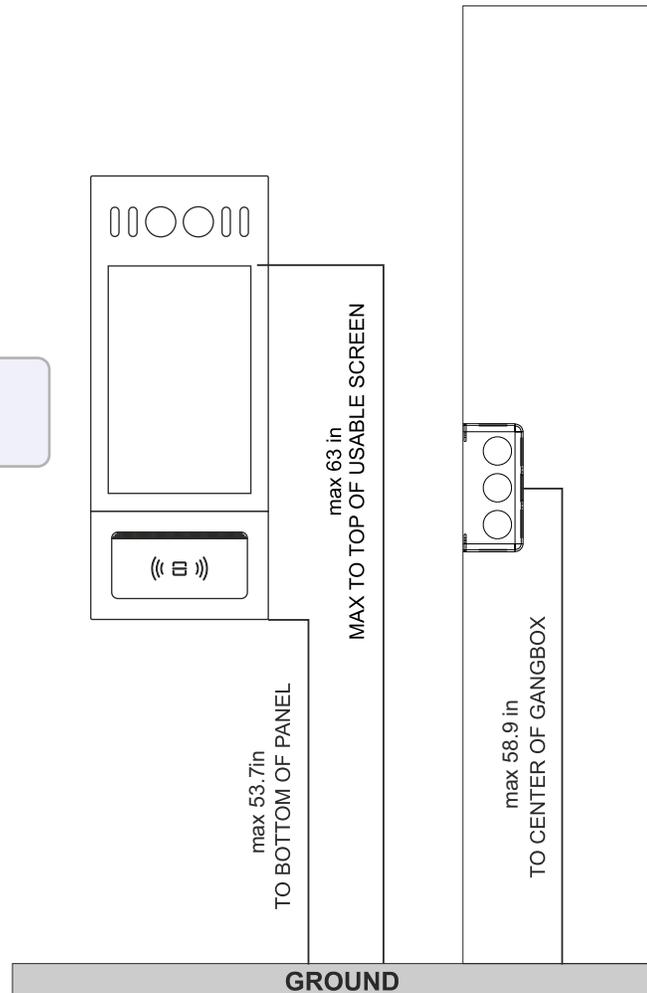


INDIRECT SUNLIGHT THROUGH WINDOW



CLOSE TO LIGHT

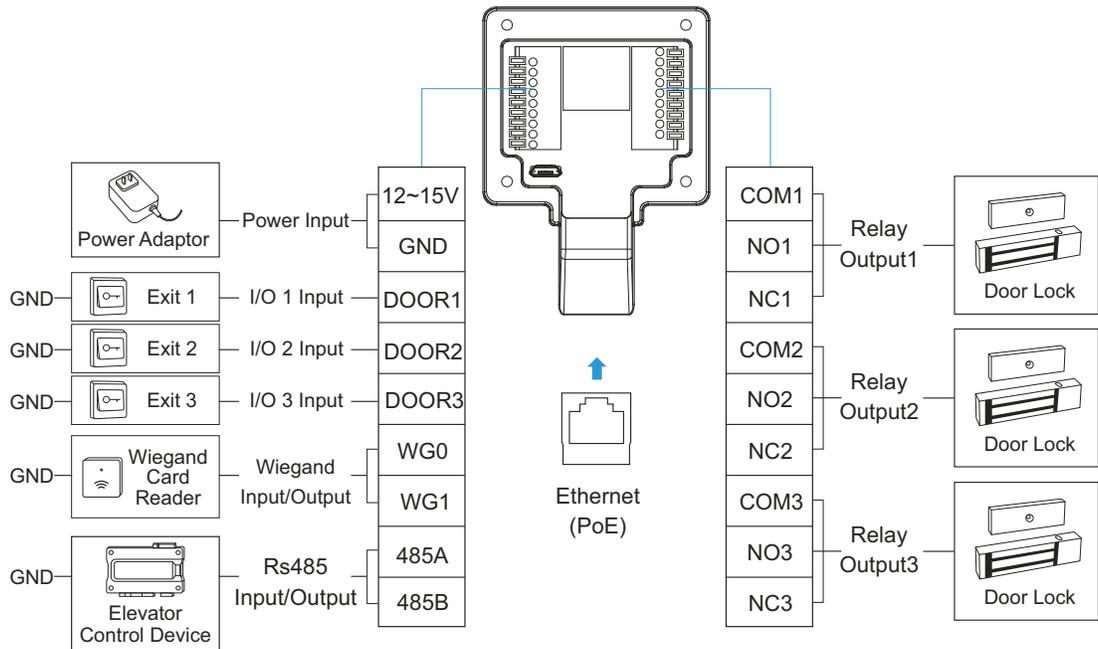
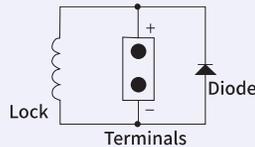
REGULAR  
INSTALLATION



## **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



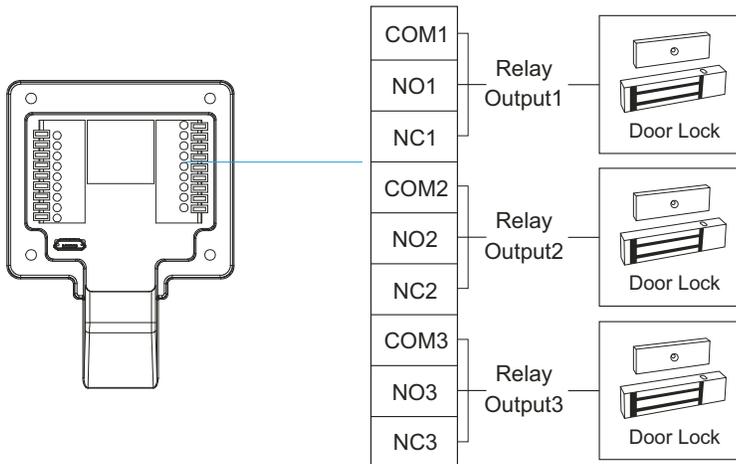
## NOTES

- 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

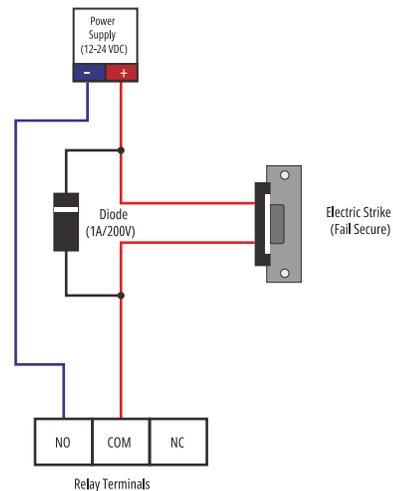
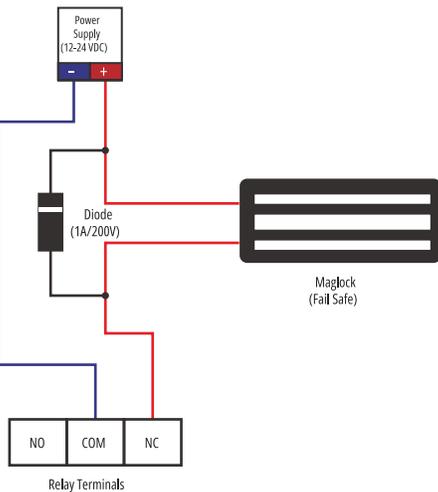


Required cable: 18-22 AWG  
Recommended: shielded



## 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



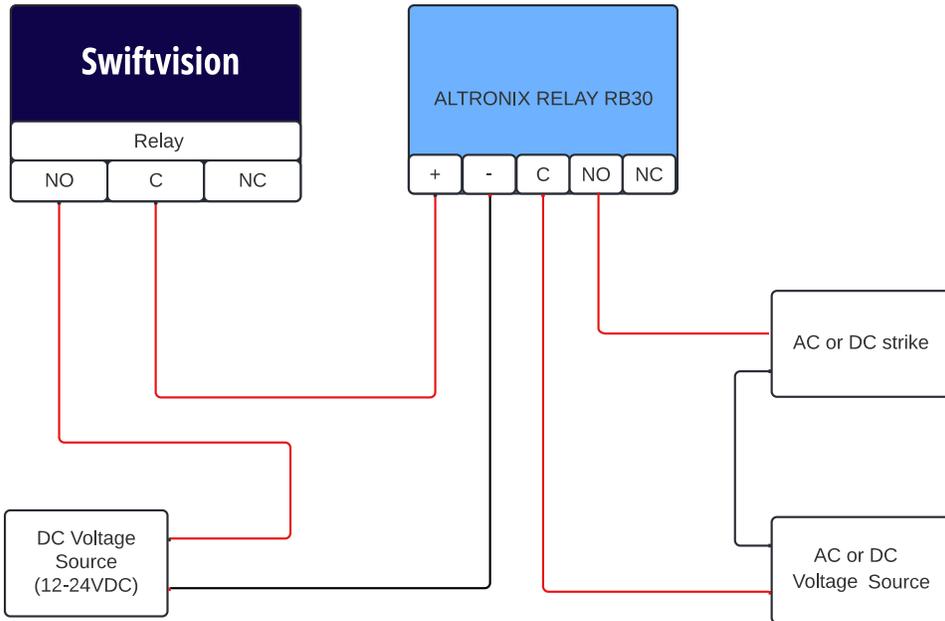
## NOTES

- 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

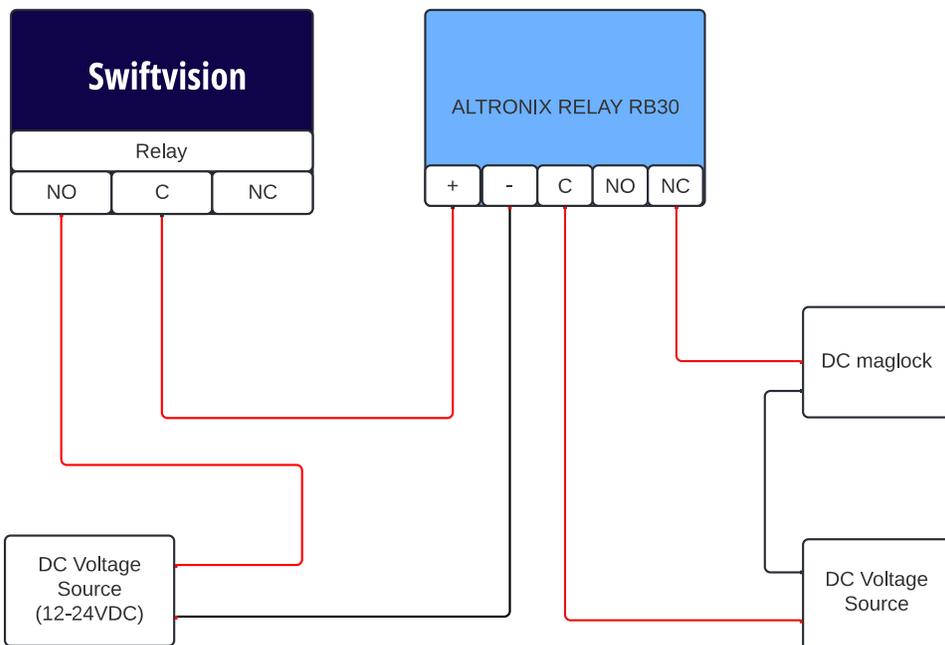


Set switch of Rb30 to select 12VDC or 24V DC operation

ON for 12VDC, OFF for 24VDC

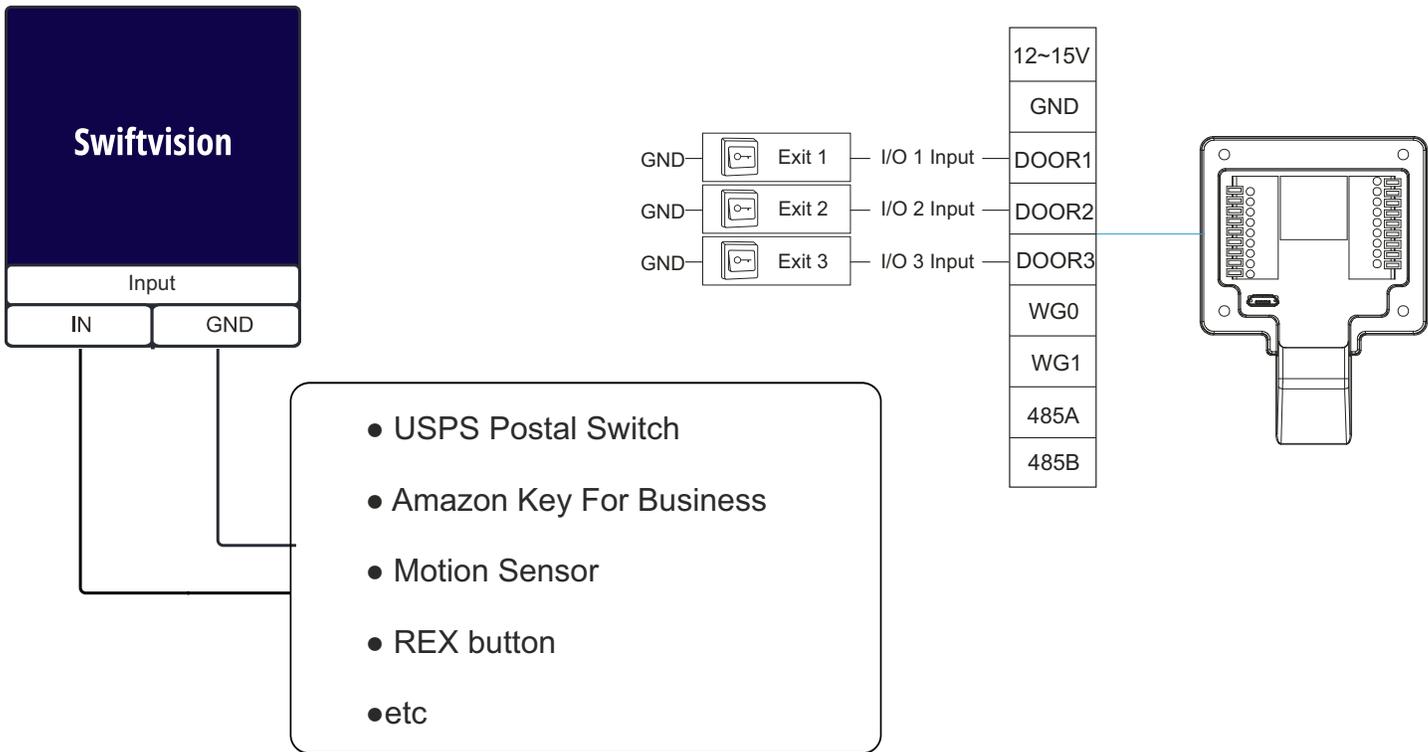
Please check instructions

[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>				

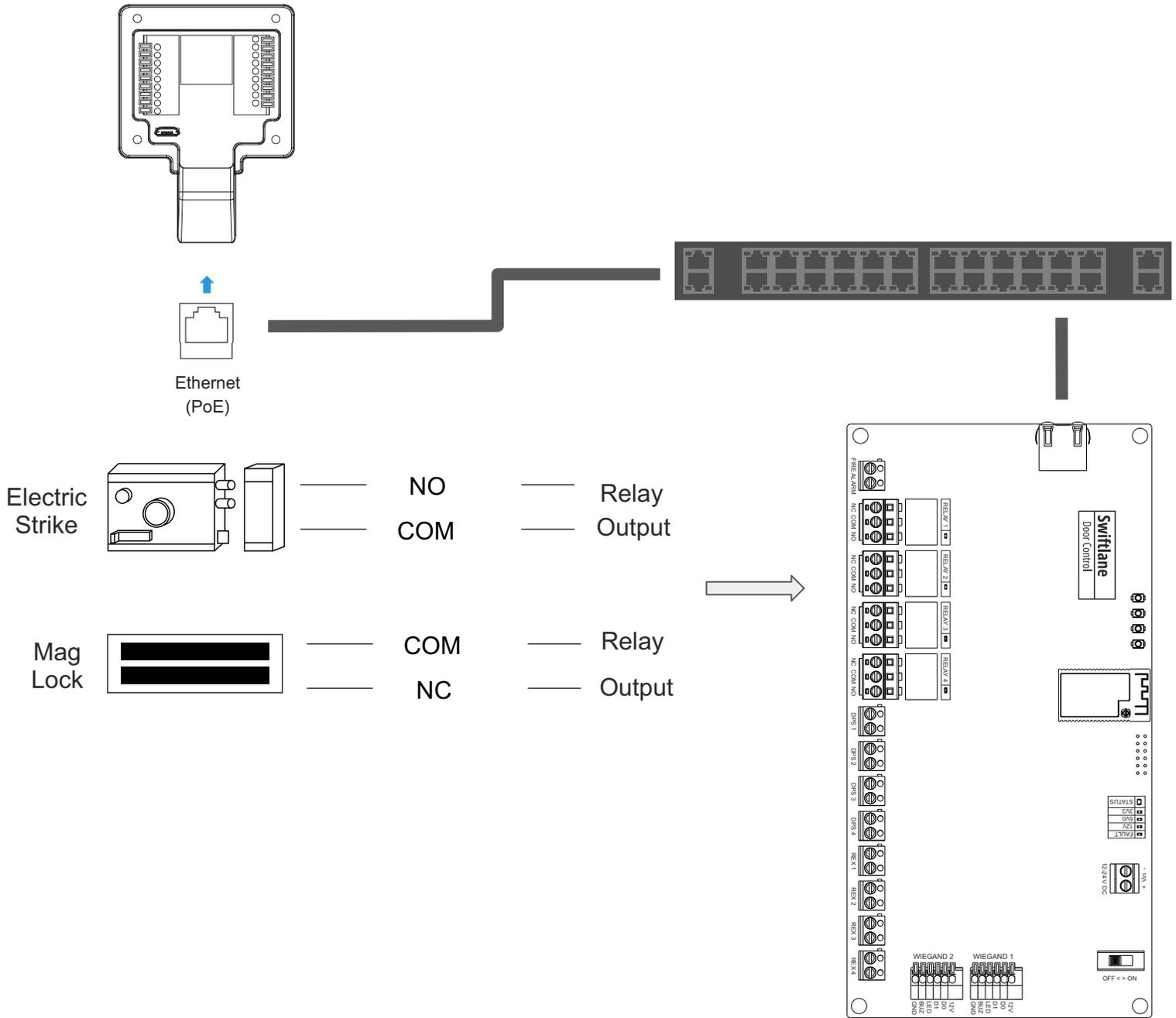
## NOTES

- 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

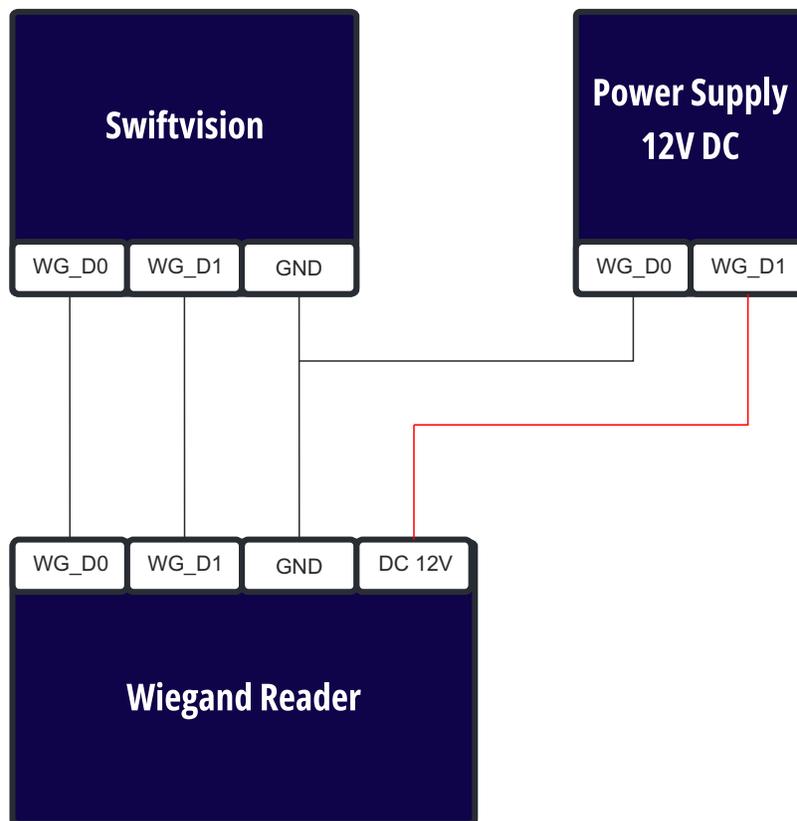
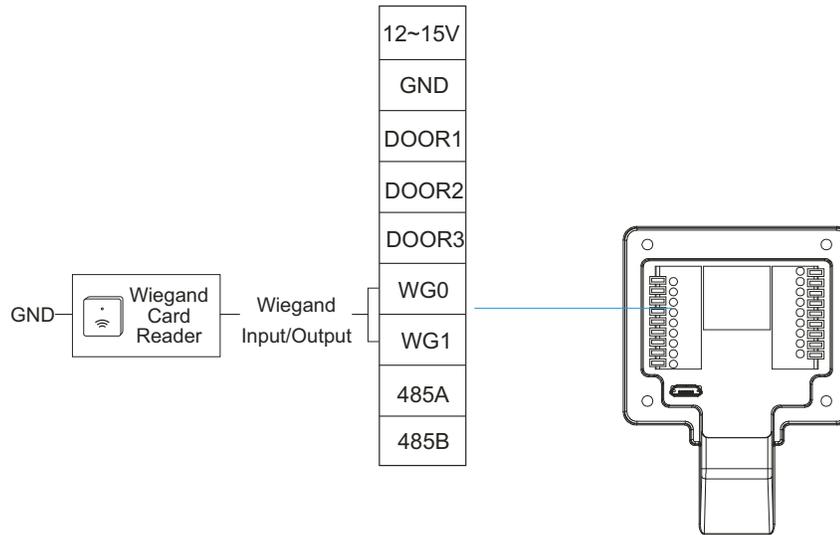


SWIFTLANE



## 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/>

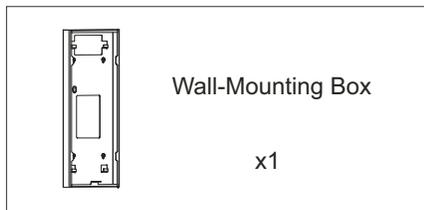


## NOTES

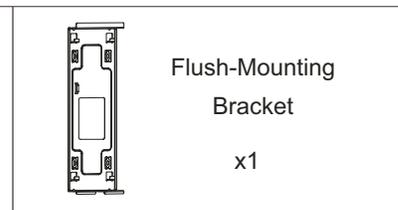
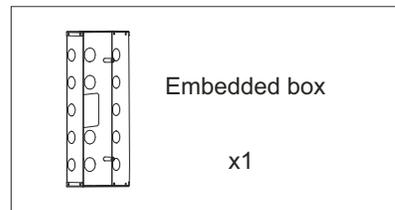
- LED and Beep from the Wiegand reader are not connected to the Swiftvision

SL-SV-7  x1	Back Cover  x1	Hexagonal Wrench  x1	Screw (M4x10)  x1	Screw (M3x6)  x4	Screw (M4x30)  x4
			Screw (St4x20)  x4	Wall anchor  x4	3PQF  x1

For wall mounting



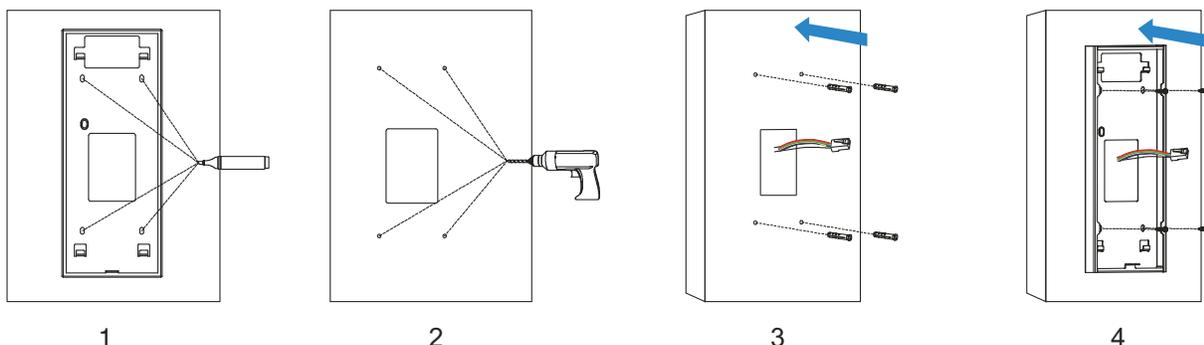
For flush mounting



## Wall mounting

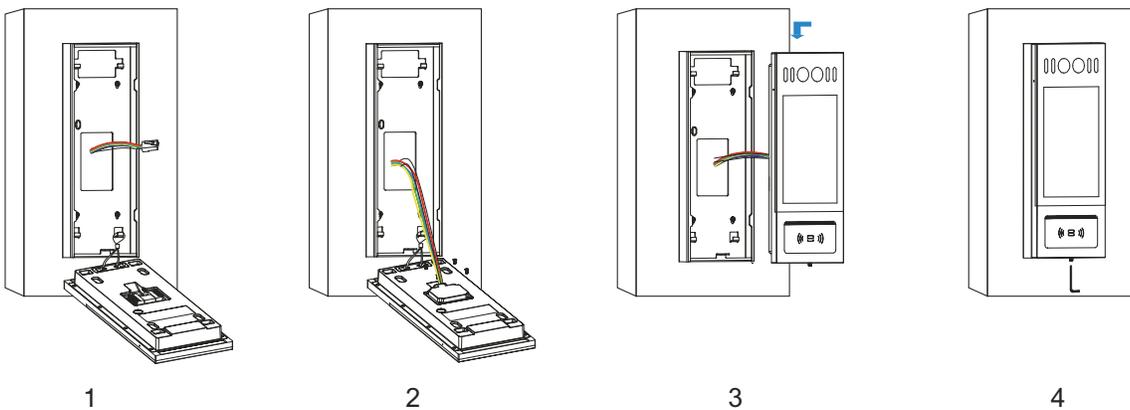
### STEP 1

1. Place the wall mounting box against the wall and around the cable outlet area, then mark the position of 4 drilling holes accordingly.
2. Take the wall mounting box off, make sure the marked drilling holes are in right position around the cable 3. outlet area (shown as diagram). Then drill 6mm holes on each marked position. Drive 4 drywall anchors into each drilling position.
3. Pull all cables and cords through the mounting box, then lock the box by four ST4X 20 screws.



### STEP 2

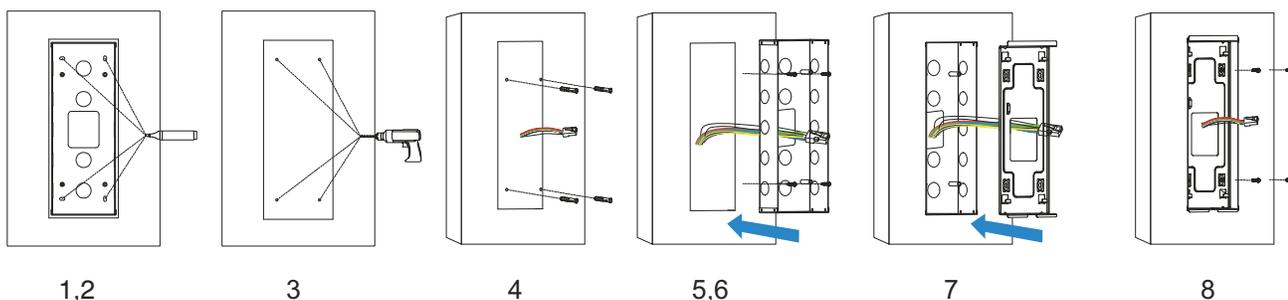
1. Hang the device with wall mounting box by rope for device stabilization.
2. Connect wires and cables into device correspondingly (you can refer to "Interfaces" for more details).  
Once devices are connected, lock the back cover by four M3 X6 screws.
3. Take off the rope and attach the device into wall mounting box, press down to lock by hooks.
4. Use the Hexagonal Wrench to tighten the device with the M4X10 fixing screws that come with the device.
5. Installation is completed.



## Flush mounting

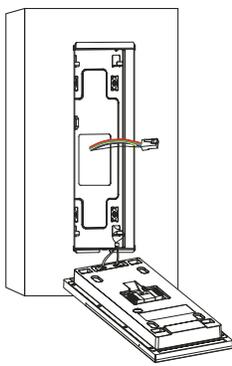
### STEP 1

1. Dig out a hole on wall. Hole dimension(mm):290(H)x110(W)x55(D).
2. Put the embedded box into the hole and mark the position of 4 drilling holes accordingly.
3. Take off the embedded box and drill holes with 6mm churn drill on each marked position.
4. Drive 4 drywall anchors into each drilling position.
5. Pull all cables and cords through the box, then lock the embedded box by four ST4x20 screws.
6. Fill the gap between wall and embedded box with cement or non-corrosive adhesive.
7. Pull all cables and wires through the flush-mounting bracket.
8. Put the flush-mounting bracket into embedded box, then lock the bracket by four M4X30 screws.

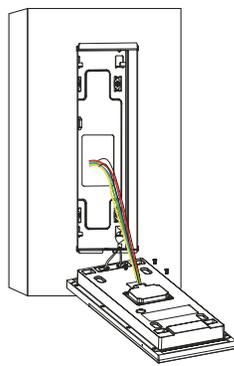


## STEP 2

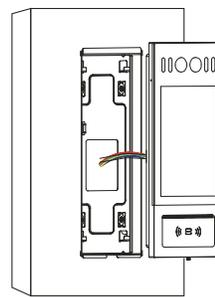
1. Hang the device with flush mounting bracket by rope for device stabilization.
2. Connect wires and cables into device correspondingly (you can refer to "Interfaces" for more details). Once devices are connected, lock the back cover by four M3X6 screws.
3. Take off the rope and attach the device into bracket, press down to lock by hooks.
4. Use the Hexagonal Wrench to tighten the device with the M4X 10 fixing screws that come with the device.
5. Installation is completed.



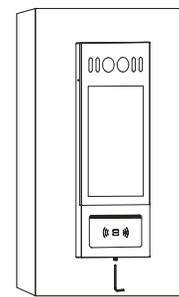
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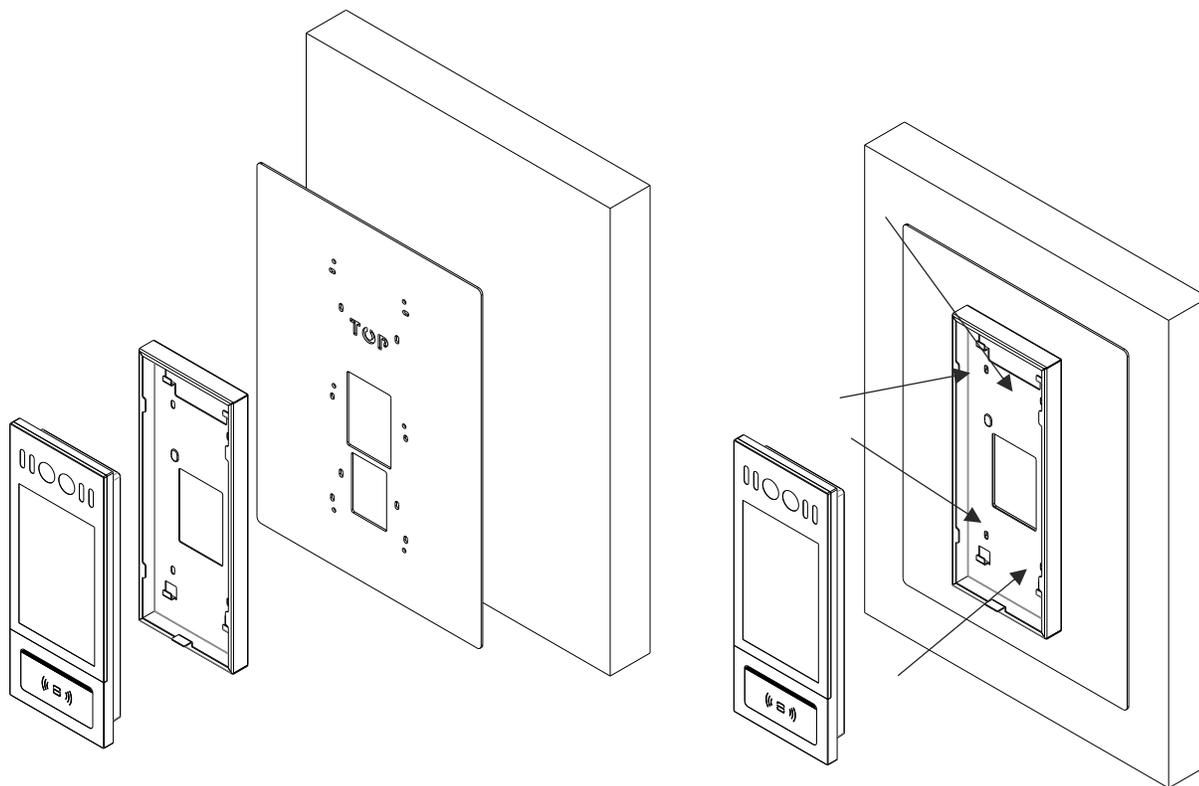
2



3

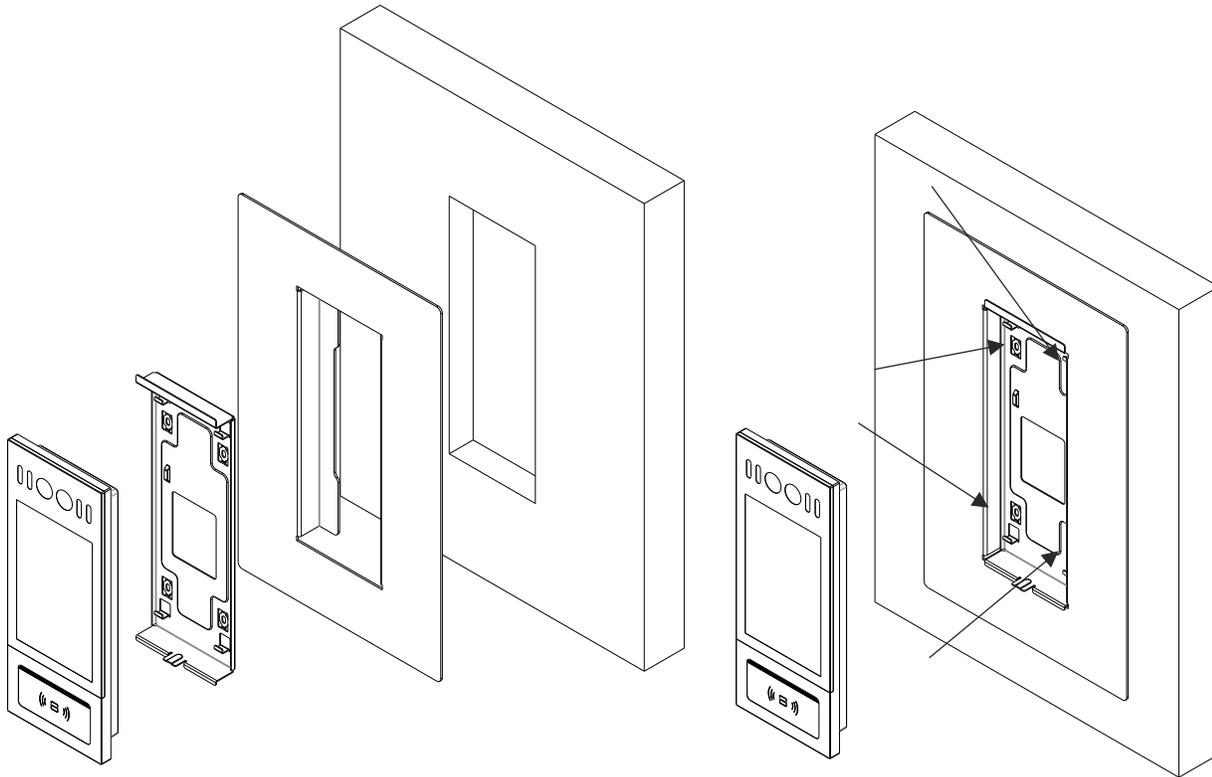


4



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