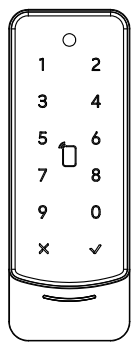
ACCESS CONTROL

MODEL:

AC01
AC02
AC02C



QUICK START GUIDE

REMARK

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

Our company applies ourselves to reformation and innovation of our products. No extra notice for any change.

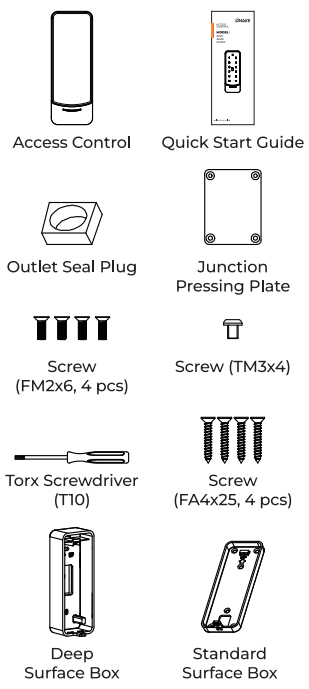
The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard. The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.

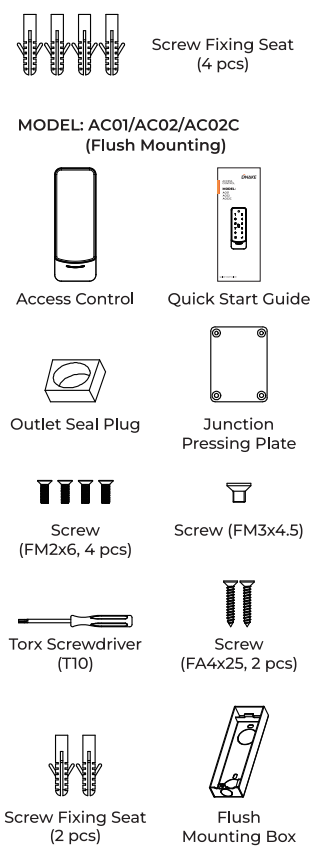
For specific operation instructions, please scan the following QR code to obtain the full version of the User Manual.

PACKAGE CONTENTS

Please make sure the package contains the following items:

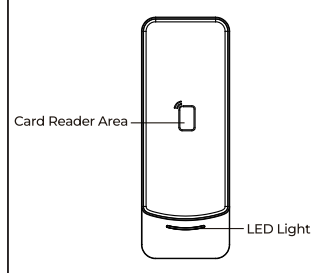
MODEL: AC01/AC02/AC02C (Surface Mounting)



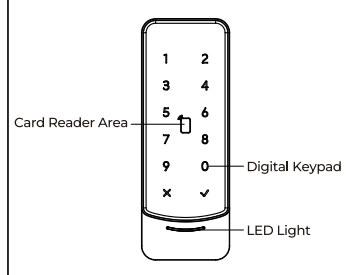


PICTURES

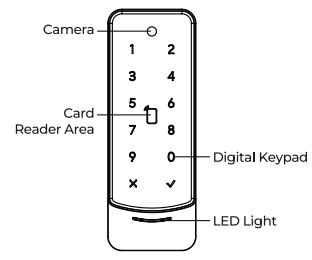
MODEL: AC01



MODEL: AC02



MODEL: AC02C



Note:

LED light: The light is used to display the running status of the device and the unlocking status.

Relay Outputs: Supports 1 relay output.

Camera (for AC02C): It is used for QR Code unlocking.

BASIC OPERATION

1. Add Cards by Admin Card

1.1 Add other cards
Step 1: Tap the admin card once;
Step 2: And then tap other cards immediately. Other cards you have tapped can be used to open the door;
Step 3: Tap the admin card again to finish.

1.2 Delete other cards one by one
Step 1: Tap the admin card twice;
Step 2: And then tap other cards immediately. Other cards you have tapped will be deleted;
Step 3: Tap the admin card again to finish.

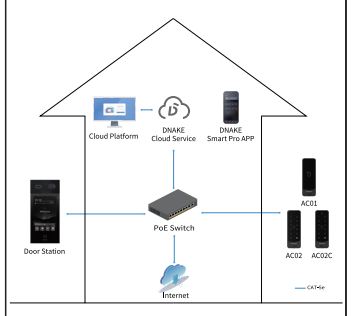
1.3 Delete all other cards
Tap the admin card five times. All the other cards will be deleted.

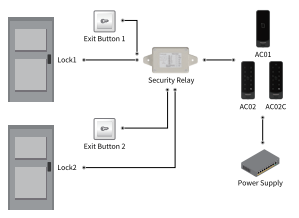
Tips:
The admin card can only be used to manage cards. It cannot be used to open the door.

2. IP Broadcasting

2.1 AC01: Short press the RESET button to broadcast the IP address.
2.2 AC02/AC02C: Short press the RESET button or long press the Confirm (✔) button for 5 seconds to broadcast the IP address.

SYSTEM DIAGRAM





DEVICE WIRING

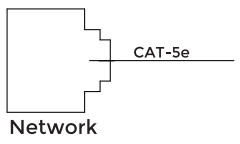
1	+12V
2	GND
3	NO
4	COM
5	NC

Network (POE)

1	INPUT1
2	INPUT2
3	+5V
4	WD0
5	WD1
6	GND
7	485-
8	485+

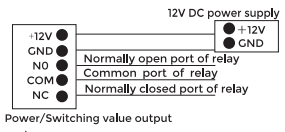
1. Network(PoE)

Standard RJ45 interface is for the connection with PoE switch or other network switch.
PSE shall comply with IEEE 802.3af (PoE) and its output power not less than 15.4W and its output voltage not be less than 50V.



2. Power/Switching Value Output

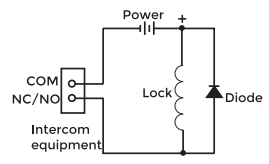
The power interface of Access Control connects to 12V DC power. Connect to the lock module (an independent power supply is necessary for the lock).



Power/Switching value output

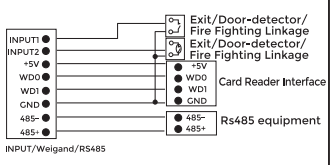
Warning

1.When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V(included in the accessories) in anti-parallel with the load device to absorb inductive load voltage peaks. Access control will be better protected in this way.
2.The load current of the relay cannot be greater than 1A. See attached picture for more details.



3. Custom Input Configuration Interface/Wiegand/RS485

- The input interface can be configured with various functions, such as the exit button, door status sensor, and fire linkage interface.
- The interface can be connected to one IC/ID card reader or be used for reading the information of built-in card reader. Card swiping device connected to Weigand interface.
- +5V can power the Wiegand card swiping device, note that the current must not exceed 100mA.
- Enable to connect equipment with RS485 interface. Connect to the lock module(independent power supply is necessary for the lock).

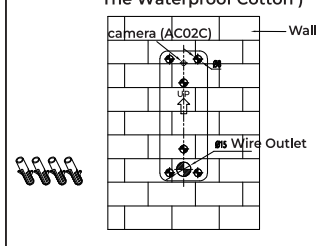


Note:

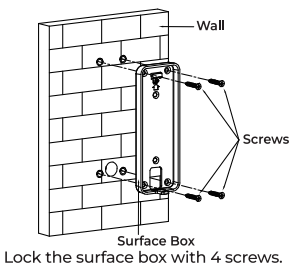
Access Control can only be connected to one card reader or management device at a time.

INSTALLATION

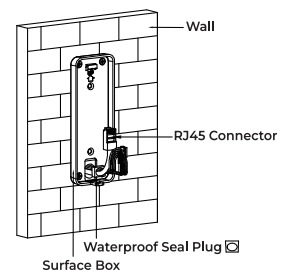
MODEL: AC01/AC02/AC02C
(Surface Mounting - Standard Surface Box, Remove The Waterproof Cotton)



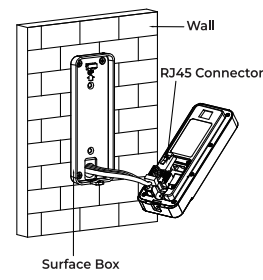
1. Choose the suitable height for AC01/AC02. For AC02C, select the appropriate camera height. Then put the label sticker on the wall.
2. According to the sticker, drill three 8 x 45mm for screws and one 5mm for wire outlet.
3. Insert 4 screw fixing seats into the screw holes.
4. Remove the sticker after drilling.



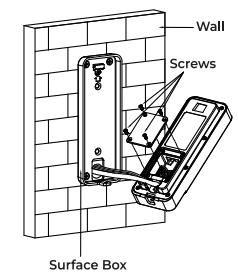
5. Lock the surface box with 4 screws.



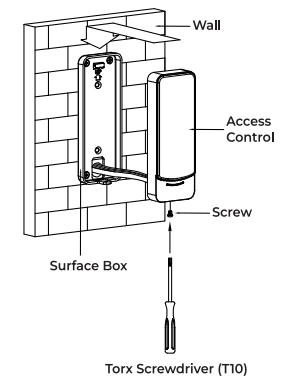
6. Let wires(included) and network cable without RJ-45 plug go through surface box and waterproof seal plug.



7. Connect RJ-45 Plug.
8. Plug waterproof seal plug into the cover groove at the bottom.

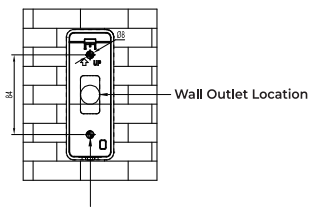


9. Fix interface clamp to the device with 4 screws.

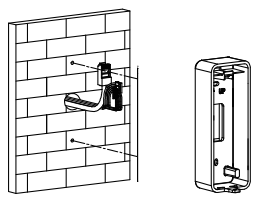


10. Hang up device with surface box.
11. Use screwdriver to lock the bottom of the device with 1 screw.

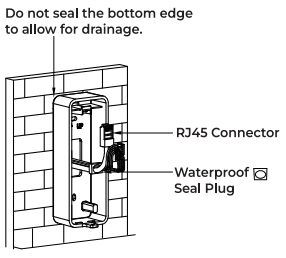
MODEL: AC01/AC02/AC02C
(Surface Mounting - Deep Surface Box)



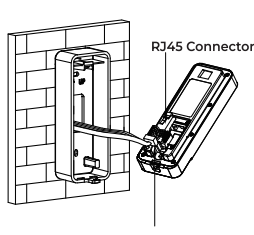
1. Position the surface box's central square hole over the wall outlet. Mark the locations for the top and bottom screw holes on the wall.
2. Drill two holes at the marked points (with a distance of 84mm between them). For wooden walls, drill 3.5x30mm deep holes and fasten the screws directly. For concrete walls, drill [specify size] holes and insert the two provided wall plugs into them.



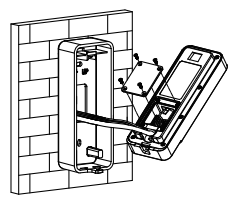
3. Secure the surface box in place by fastening it with the two provided self-tapping screws.



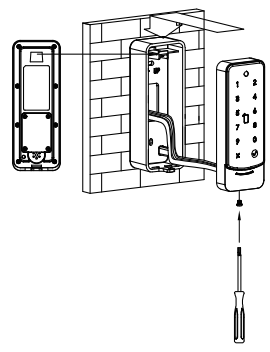
4. Recommend to apply a bead of silicone sealant along the top and two sides of surface box's base. Do not seal the bottom edge to allow for drainage.
5. Feed the network cable (with the RJ45 connector attached) and other two wires through the hole in the waterproof seal plug.



6. Connect the network cable and the two wiring terminals to their corresponding ports on the access control unit.
7. After organizing the cables, press the waterproof seal plug into the groove on the back cover.

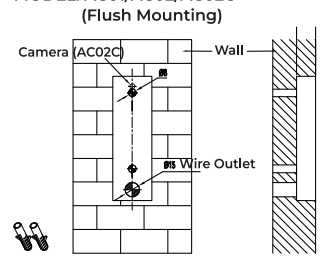


8. Fasten the sealing plate to the access control unit using the four provided screws.

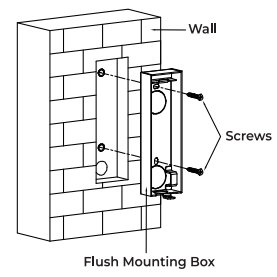


9. Neatly coil and tuck the excess wiring into the surface box.
10. Align the square slot at the top of the back cover with the clip on the surface box, then slide it downward until it clicks into place.
11. Secure the access control unit to the surface box by fastening the screws at its bottom.

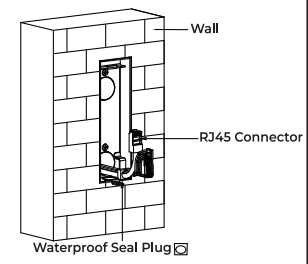
MODEL: AC01/AC02/AC02C
(Flush Mounting)



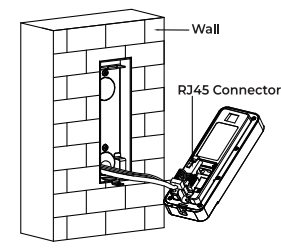
1. Choose the suitable height for AC01/AC02. For AC02C, select the appropriate camera height. Then put the label sticker on the wall.
2. According to the sticker, drill three 8 x 45mm for screws and one 5mm for wire outlet.
3. Remove the sticker after drilling.



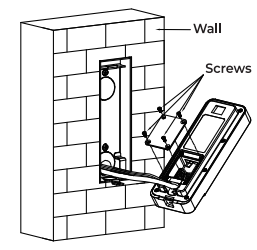
4. Lock the Flush Mounting Box with 2 screws.



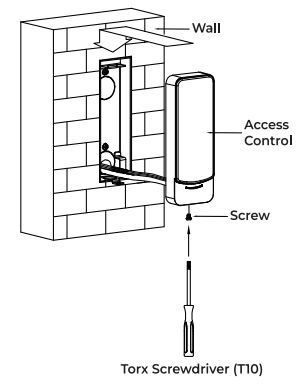
5. Let wires(included) and network cable without RJ-45 plug go through rain hood and waterproof seal plug.
6. Connect RJ-45 Plug.



7. Plug waterproof seal plug into the cover groove at the bottom.

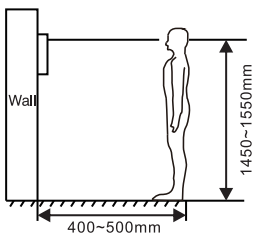


8. Fix interface clamp to the device with 4 screws.



9. Use screwdriver to lock the bottom of the device with 1 screw.

Installation Instructions:



[Suggestion]: For AC02C, the camera should be 1450~1550mm above the ground.

SAFETY INSTRUCTIONS

In order to protect you and others from harm or your device from damage, please read the following information before using the device.

- Do not install the device in the following places:
- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container.
- Do not place the device in the sun or near the heat source, which might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

SAFETY INSTRUCTIONS

Guard against electric shock, fire and explosion:

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hand or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hand.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

Clean Device Surface

- Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

SAFETY INSTRUCTIONS

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause flopover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.
- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.

FCC WARNING

This device complies with Part 15 of the FCC Rules. Operation 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 1: 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

FCC WARNING

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 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

V1.1
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