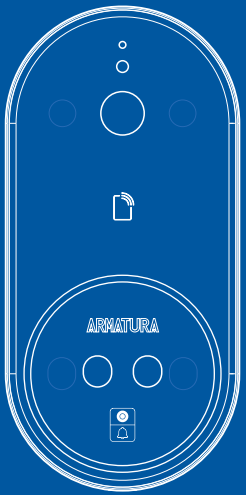
ARMATURA

FT10CMQ

Installation Guide

Version: 1.0



How to Install the Device?

Installation Environment

Please refer to the following recommendations for installation.

KEEP DISTANCE

AVOID GLASS REFRACTION

AVOID DIRECT SUNLIGHT AND EXPOSURE

KEEP EFFECTIVE DISTANCE 0.5-2m

Device Installation

1. Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.
2. Fix the Backplate on the wall using wall mounting screws.
3. Attach the device to the Backplate.
4. Fasten the device to the Backplate with a security screw.

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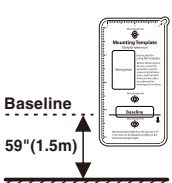

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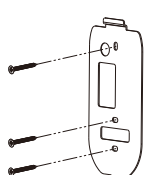

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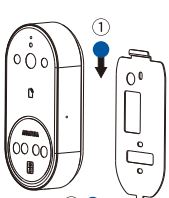

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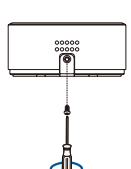
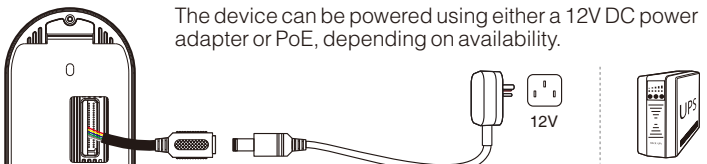


Wiring Diagram

Power Connection



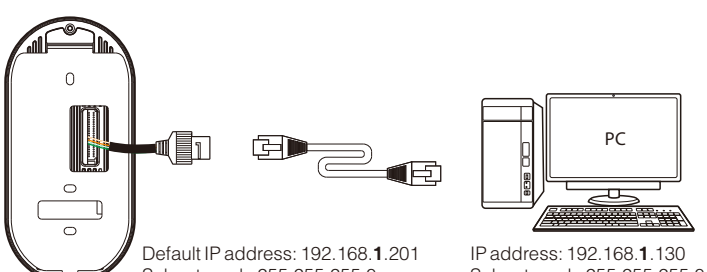
The device can be powered using either a 12V DC power adapter or PoE, depending on availability.

Recommended AC Adapter

- 12V ± 10%, at least 3A.
- To share the power with other devices, use an AC Adapter with higher current ratings.

Ethernet Connection

Connect the device and computer software over an Ethernet cable. As shown in the example below:



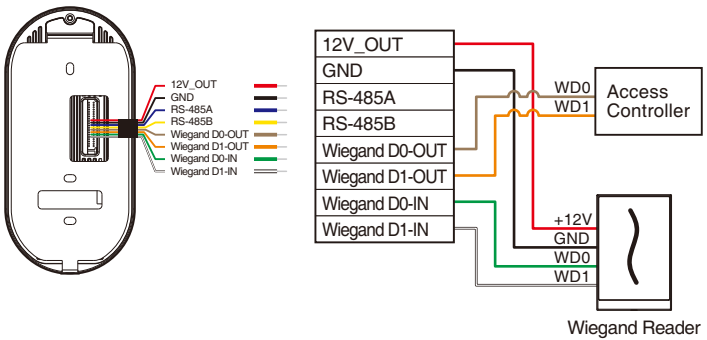
Default IP address: 192.168.**1**.201
Subnet mask: 255.255.255.0

IP address: 192.168.**1**.130
Subnet mask: 255.255.255.0

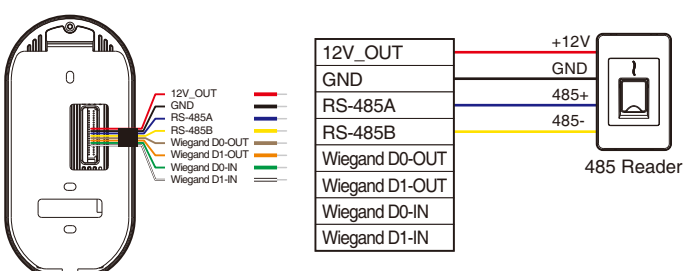
On the Webserver, click [Advanced Settings] > [COMM.] > [IP Address] to input the IP address.

Note: In LAN, the IP addresses of the server (PC) and the device must be in the same network segment when connecting to the software.

Wiegand Reader Connection



RS485 Connection

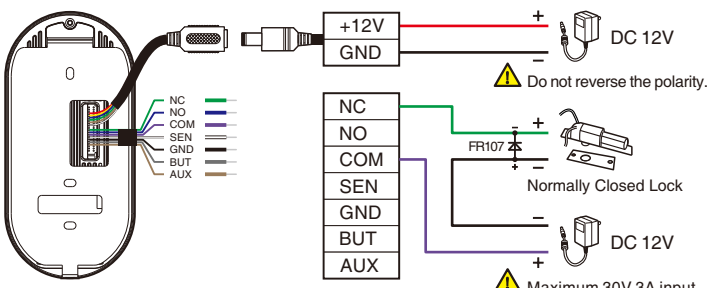


Note: 485A and 485B can be connected to the Barrier gate or the 485 Reader, separately, but cannot be connected to the gate and reader at the same time.

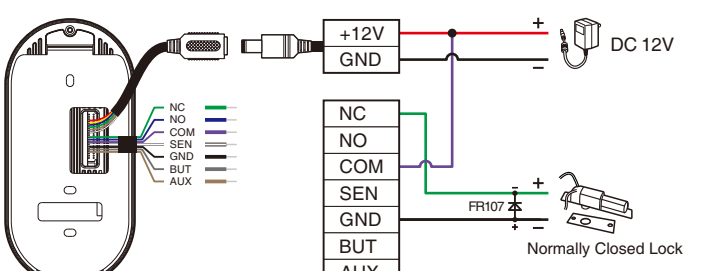
Lock Relay Connection

The system supports **Normally Opened Lock** and **Normally Closed Lock**. The **NO LOCK** (normally unlocked when power-on) is connected with '**NO**' and '**COM**' terminals, and the **NC LOCK** (normally locked when power-on) is connected with '**NC**' and '**COM**' terminals. Take NC Lock as an example below:

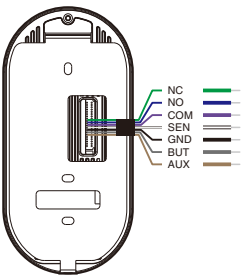
1) Device not sharing power with the lock

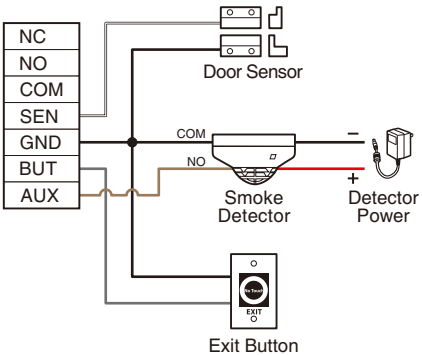


2) Device sharing power with the lock

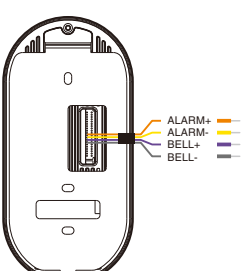


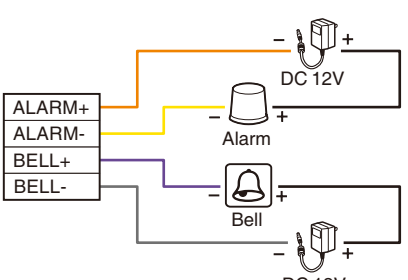
Door Sensor, Exit Button, Auxiliary Connection





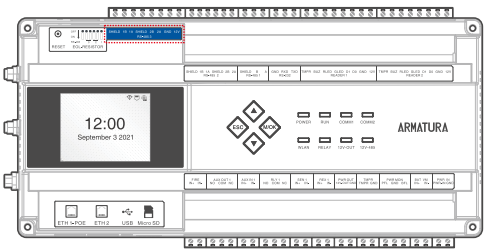
Alarm, Bell Connection



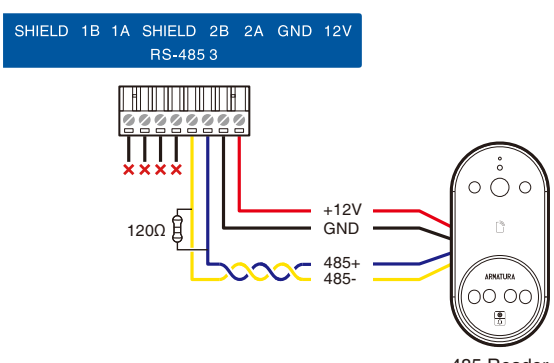


Controller Connection

The device can be used as a reader and connected to the AHSC-1000 controller via RS-485.



AHSC-1000 Controller



485 Reader

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.

Warning: 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.

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.

"This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter."

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