1 Installation

Type: Wall Mounting and Base Mounting

Before you start:
According to the baseline on the mounting template, stick the mounting template on the wall or other surface, 1.1 meters higher than the ground.

Steps:
1. Drill holes on the wall or other surface according to the supplied mounting template and install the gang box (80 mm × 80 mm).
2. Use two supplied screws to secure the mounting plate on the gang box.
3. Align the terminal with the mounting plate and buckle them together.
4. Use a hex wrench to fasten the two screws at the bottom.

Note:
1. The installation height here is the recommended height. You can change it according to your actual needs.
2. You can also install the device on the wall or other places without the gang box. For details, refer to the User Manual.
3. For easy installation, drill holes on mounting surface according to the supplied mounting template.

2.1 Device Wiring (Without Secure Door Control Unit)

Device Wiring Terminals

External Power Supply: 5VDC GND, 12VDC GND, 24VDC GND
Wiegand Input: B0, B1, W0, W1
Wiegand Output: 1, 0
Door Contact
Exit Button
Alarm Device
TAMPER Card Reader
Wiegand
Input
Wiegand
Output
Note: The device can transmit the authentication information to the access controller via this mode.

Doorbell
Wiegand
Input
Supplement
Light
Power Interface
Ethernet Port
USB Interface

Dimensions: 190 mm

Installation Environment:
• Install the device at least 2 meters away from the light, and at least 3 meters away from the window or door.
• Avoid backlight, direct and indirect sunlight.

Note: 1. Use a hex wrench to fasten the two screws at the bottom. 2. The Min. power cable's diameter: 18 AWG, while other cable's rated current is 1 A.
2.2 Device Wiring (With Secure Door Control Unit)

### Device Wiring Terminals

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V GND, +12V GND</td>
<td>Power Input</td>
</tr>
<tr>
<td>SENSOR</td>
<td>Door Magnetic Sensor Input</td>
</tr>
<tr>
<td>COM</td>
<td>Door Magnetic Sensor Input</td>
</tr>
<tr>
<td>NC/NO</td>
<td>Lock Output</td>
</tr>
<tr>
<td>110V Black, 220V Brown</td>
<td>Exit Button</td>
</tr>
</tbody>
</table>

### Secure Door Control Unit

- **Power Input**
- **Door Magnetic Sensor Input**
- **Lock Output**
- **Exit Button**

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3 Activation

**Power on the device**:

1. **Create a password and confirm the password**.
2. **Tap Next**.
3. **Select Indoor or Others** from the drop-down list.
4. **Tap OK** to save the settings.

**Accessing the device**: If the device is not activated yet, it will enter the Activate Device page after powered on.

**Activation**: Tap after powered on. If the device is not activated yet, it will enter the Activate Device page should activate the device before the first login.

**Password regularly**: In the high security system, resetting passwords monthly or weekly can better protect your product. And we recommend you reset your password according to the following tips.

**Password requirements**:

- Own choosing (using a minimum of 8 characters, including upper case
  letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

**Tips When Collecting/Comparing Face Picture**

### Expression

- Keep your expression naturally when collecting or comparing face pictures, just like the expression in the picture on this right.
- Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.
- Do not make your hair cover your eyes, ears, etc. and heavy makeup is not allowed.

### Posture

In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.

1. **Correct Position**
2. **Wrong Position**

**Size**

Make sure your face is in the middle of the collecting window.

**Positions When Collecting/Comparing Face Picture (Recommended Distance: 0.5 m)**

<table>
<thead>
<tr>
<th>Distance (m)</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Too Close</td>
<td><img src="image" alt="Too Close Image" /></td>
</tr>
<tr>
<td>Too Far</td>
<td><img src="image" alt="Too Far Image" /></td>
</tr>
<tr>
<td>Too High</td>
<td><img src="image" alt="Too High Image" /></td>
</tr>
<tr>
<td>Too Low</td>
<td><img src="image" alt="Too Low Image" /></td>
</tr>
</tbody>
</table>

**Correct Tilt**: Make sure your face is in the middle of the collecting window.

**Side Bow**: Heavy makeup is not allowed.

**Position**: Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.

**Expression**: Make sure your face is in the middle of the collecting window.

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4 Adding Face Information

1. **Tap the settings icon at the lower right corner of the initial page** and input the activation password to enter the main page.
2. **Enter the User Management page**, then tap to enter the Add User page.
3. **Set the user parameters** according to actual needs.
4. **Tap Face** and collect the face information according to the instructions.
5. **Tap Try Again** to take another face picture.
6. **Save**.

**Adding Face Information**: This function is used to store face pictures and user ID. When the card is lost, you need to add the new face picture.

**Save the picture**: You can view the captured picture at the upper right corner of the initial page and collect the face information according to the instructions.

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Regulatory Information

**FCC Information**

Please take attention that changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

**FCC compliance**: 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.

**FCC Conditions**

1. 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.
   2. This device must accept any interference received, including interference that may cause undesired operation.

**EU Conformity Statement**

This product complies with the following EU Directives:

- The RoHS Directive 2011/65/EU.
- The WEEE Directive 2012/19/EU.

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EU Conformity Statement

Product: Face Recognition Terminal

Manufacturer: MOSO Power Supply Technology Co., Ltd.

Model: C2000IC12.0-24P-DE

Manufacturer: MOSO Power Supply Technology Co., Ltd.

Model: C2000IC12.0-24P-GR

Model: A05-24S-12 12240PS

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**EU Conformity Statement**

Make sure your face is in the middle of the collecting window.