Wiring of Four-Door Access Controller

Scan the QR code to get the user manual for detailed information. Note that mobile data charges may apply if Wi-Fi is unavailable.

Notes:
- After wiring the Wiegand card readers, set Bit 6 of the card reader DIP switch to ON and set Bit 7: it refers to Wiegand protocol 26 if Bit 7 is ON, it refers to Wiegand protocol 34 if Bit 7 is OFF. If Bit 7 is OFF, it refers to Wiegand 34 protocol. If setting Bit 7 as ON, it refers to Wiegand 26 protocol. If setting Bit 7 as OFF, it refers to Wiegand 34 protocol.
- For four-door access controller, set Bit 1 to OFF and Bit 2 to ON for Door 1 (Entrance) and Door 2 (Exit) respectively.
- For two-door access controller, set Bit 1 to OFF, Bit 2 to OFF, Bit 3 to ON, and Bit 4 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.
- For one-door access controller, set Bit 1 to OFF and Bit 2 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.

Access Controller
Quick Start Guide
UD173228-A

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1. After wiring the Wiegand card readers, set Bit 6 of the card reader DIP switch to ON and set Bit 7: it refers to Wiegand protocol 26 if Bit 7 is ON, it refers to Wiegand protocol 34 if Bit 7 is OFF. If Bit 7 is OFF, it refers to Wiegand 34 protocol. If setting Bit 7 as ON, it refers to Wiegand 26 protocol. If setting Bit 7 as OFF, it refers to Wiegand 34 protocol.

2. For four-door access controller, set Bit 1 to OFF and Bit 2 to ON for Door 1 (Entrance) and Door 2 (Exit) respectively.

3. For two-door access controller, set Bit 1 to OFF, Bit 2 to OFF, Bit 3 to ON, and Bit 4 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.

4. For one-door access controller, set Bit 1 to OFF and Bit 2 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.

Notes: After wiring RS-485 card readers, you should set Bit 6 of the card reader DIP switch to OFF, and set Bit 7 to 0.

- For two-door access controller, set Bit 1 to OFF, Bit 2 to OFF, Bit 3 to ON, and Bit 4 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.
- For four-door access controller, set Bit 1 to OFF, Bit 2 to OFF, Bit 3 to ON, and Bit 4 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.
- For one-door access controller, set Bit 1 to OFF and Bit 2 to OFF for Door 1 (Entrance) and Door 2 (Exit) respectively.
Wiring of Single Door Access Controller

<table>
<thead>
<tr>
<th>+12V</th>
<th>GND</th>
<th>BAT+</th>
<th>BAT-</th>
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<tbody>
<tr>
<td>RS-485A+</td>
<td></td>
<td>RS-485B+</td>
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<tr>
<td>RS-485A-</td>
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<td>RS-485B-</td>
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<tr>
<td>NO/NC3</td>
<td>NO/NC2</td>
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<tr>
<td>COM4</td>
<td>COM3</td>
<td>COM2</td>
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<td>+12V</td>
<td>BAT-</td>
<td>BAT+</td>
<td>GND</td>
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Hardware Initialization

**Choose 1**

1. Step 1: Remove the jumper cap from the Normal terminal.
2. Step 2: Disconnect the power and reseat the access controller.
3. Step 3: When the beep stopped, plug the jumper cap back to Normal.
4. Step 4: Disconnect the power and reseat the access controller.

**Choose 2**

1. Step 1: Jump the jumper cap from Normal to Initial.
2. Step 2: Disconnect the power and reseat the access controller.
3. Step 3: When the beep stopped, jump the jumper cap back to Normal.
4. Step 4: Disconnect the power and reseat the access controller.

Relay NO/NC Settings

Set the relay NO/NC status when setting the lock output and alarm output. The operation of the jumper cap position and the related NO/NC status are as follows:

- **Normally Open Status**
- ** Normally Closed Status**

DIP Switch Settings of Card Reader

**Set Bit 6 of the card reader DIP switch to OFF and set Bit 7 to ON for the address:**

- **RS-485 Reader**: Bit 6 = ON, Bit 7 = OFF
- **Alarm Output**: Bit 6 = ON, Bit 7 = OFF
- **Indicator**: Bit 6 = ON, Bit 7 = OFF
- **Network**: Bit 6 = ON, Bit 7 = OFF
- **Power**: Bit 6 = ON, Bit 7 = OFF
- **Wiegand Reader 1**: Bit 6 = ON, Bit 7 = OFF
- **Wiegand Reader 2**: Bit 6 = ON, Bit 7 = OFF
- **Wiegand Reader 3**: Bit 6 = ON, Bit 7 = OFF
- **Wiegand Reader 4**: Bit 6 = ON, Bit 7 = OFF

**DIP Switch Settings of Wiegand Card Reader**

Set Bit 6 of the card reader DIP switch to ON and set Bit 7 to OFF for the address:

- **Wiegand Reader 1**: Bit 6 = OFF, Bit 7 = ON
- **Wiegand Reader 2**: Bit 6 = OFF, Bit 7 = ON
- **Wiegand Reader 3**: Bit 6 = OFF, Bit 7 = ON
- **Wiegand Reader 4**: Bit 6 = OFF, Bit 7 = ON

Activation

You are required to activate the control panel first before you can use the control panel.

1. **Activate Device via Card Software**
   - Get the software from the official website. Install and run the card software.
   - Enter the Device Management page.
   - Click the Online Device button.
2. **Activate Device via Wiegand Card Reader**
   - Get the software from the official website. Install and run the card software.
   - Enter the Device Management page.
   - Click the Online Device button.
   - Select the online device area at the bottom of the page.
   - Click the device status (shown on Security Label column) and select an inactive device.

Battery Charge Indicator

- **Battery Charging**: Indicating battery charging status.
- **Battery Discharged**: Indicating the battery has been discharged.
- **Battery Charging Completed**: Indicating the battery has been charged.

Relay NO/NC Settings

Set the NO/NC status when setting the lock output and alarm output. The position of the jumper cap position and the related NO/NC status are as follows:

- **Normally Open Status**
- ** Normally Closed Status**

DIP Switch Settings of RS-485 Card Reader

Set Bit 6 of the card reader DIP switch to OFF and set Bit 7 to ON for the address:

- **DIP Switch Settings**: Bit 6 = ON, Bit 7 = OFF
- **Address**: Bit 6 = ON, Bit 7 = OFF

DIP Switch Description

Take the 8-bit DIP switch as an example. No. 1 to No. 8 is from the low bit to the high bit.

- **Bit 1**: Bit 1 = OFF, Bit 2 = ON
- **Bit 3**: Bit 3 = OFF, Bit 4 = ON
- **Bit 5**: Bit 5 = OFF, Bit 6 = ON
- **Bit 7**: Bit 7 = OFF, Bit 8 = ON

Regulatory Information

- **EMC Directive**
  - This product is in compliance with the following European standards:
  - EN 61000-6-3:2007 (EMC harmonic limits for digital equipment)
  - EN 61000-6-4:2007 (EMC immunity test conditions)
  - EN 61000-4-2:2009 (EMC immunity test conditions)
  - EN 61000-4-3:2006 (EMC immunity test conditions)

  - The R&TTE Directive requires equipment to be verified for conformity to the essential requirements laid down in Annex II of the Directive.
  - It is the responsibility of the manufacturer to ensure that the essential requirements are met.
  - The manufacturer must provide the CE mark to indicate conformity.

Industry Canada ICES-003 Compliance

This device meets the OHL-001-001 (Wireless-001) standards requirements.