

Access Controller

User Manual

Legal Information

User Manual

About this Manual

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website.
Please use this user manual under the guidance of professionals.

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SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.
IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Data Protection

During the use of device, personal data will be collected, stored and processed. To protect data, the development of our devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.
As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting

security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

Available Model

Product Name	Description
Access Controller	Single-Door Access Controller
	Two-Door Access Controller
	Four-Door Access Controller

Regulatory Information

FCC Information

Please take attention that changes or modification 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.
—Consult the dealer or an experienced radio/TV technician for help
This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
FCC Conditions
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 and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, RE Directive 2014/53/EU,the RoHS Directive 2011/65/EU



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

1. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

1. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes : l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.
The precaution measure is divided into Dangers and Cautions:
Dangers: Neglecting any of the warnings may cause serious injury or death.
Cautions: Neglecting any of the cautions may cause injury or equipment damage.

⚠	⚠
Dangers: Follow these safeguards to prevent serious injury or death.	**Cautions:** Follow these precautions to prevent potential injury or material damage.

⚠Danger:

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Do not ingest battery, Chemical Burn Hazard.
  This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

⚠Cautions:

- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device cover for indoor use shall be kept from rain and moisture.

- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Use the device in conjunction with an UPS if possible.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- A factory recommended HDD should be used for this device.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the manufacturer.

Product Description

- 32-bit high-speed processor
- Supports TCP/IP communication, EHome 5.0 accessing, ISAPI protocol, and OSDP protocol. The communication data is specially encrypted to relieve the concern of privacy leak
- Supports recognition and storage of card No. with maximum length of 20
- Supports up to 100,000 cards and 300,000 card presenting records
- Supports multi-door interlock function, anti-passback function, multiple authentications function, open door with first card function, super card and super password function, M1 card encryption, online upgrade function and remote control of the doors
- Supports tampering alarm for the card reader, alarm for door not secured, force opening door alarm, alarm for door opening timeout, duress card and code alarm, blocklist alarm and alarm for illegal card swiping attempts reaching the limit
- Short circuit attempts alarm and open circuit attempts alarm
- IP address conflict detection
- Cross-controller anti-passback function (For cross-controller anti-passback based on card, wire the card reader with RS-485. For cross-controller anti-passback based on network, make sure the server and device communicate with each other properly. Up to 5000 card swiping records can be stored in the selected server.) and inner-device anti-passback function
- Supports RS-485 interface and Wiegand interface for accessing card reader. Wiegand interface supports W26, W34 and is compatible with the third-party card reader with Wiegand interface
- Supports adding various person types: normal person, visitor, and person in blocklist.
- Supports various card types: normal/disabled/blocklist/patrol/visitor/duress/super card, etc.
- Various indicators to show different status
- Supports automatically and manually time synchronization
- Supports record storage function when the device is offline and insufficient storage space storage alarm function
- Backup battery design, watchdog design and tamper-proof function
- Data can be permanently saved after the access controller is powered off
- Supports I/O linkage and event linkage
- Supports EHome protocol to connect with public network
- 500 groups of password under the authentication mode of card or password
- Supports time zone settings

Main Board Description

Single-Door Access Controller Main Board Description

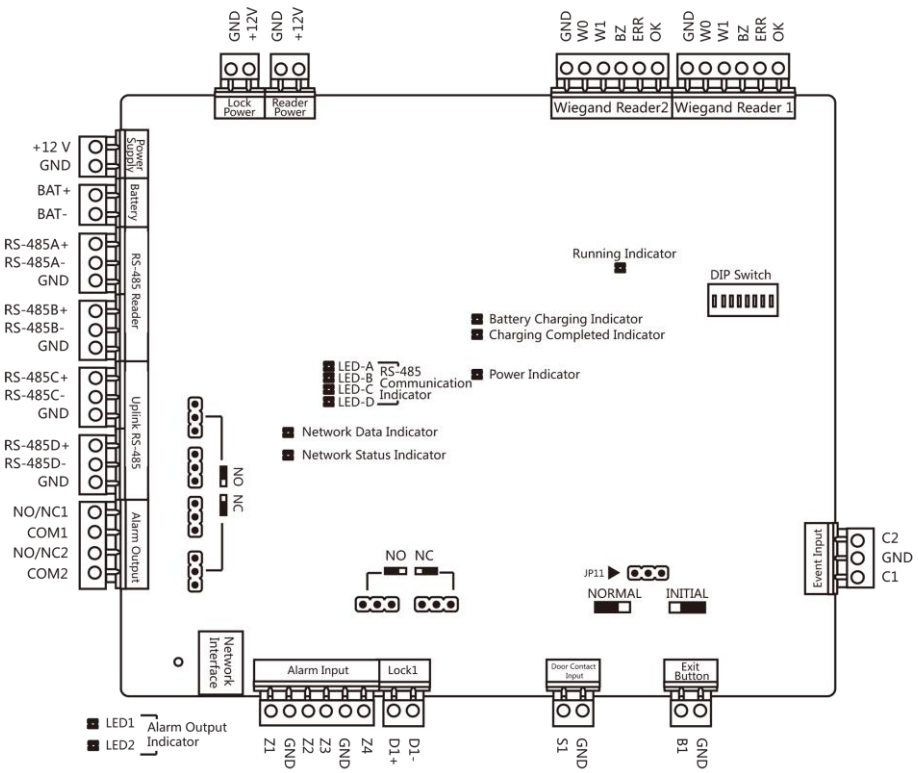


Figure 1 Single-Door Access Controller Main Board

Two-Door Access Controller Main Board Description

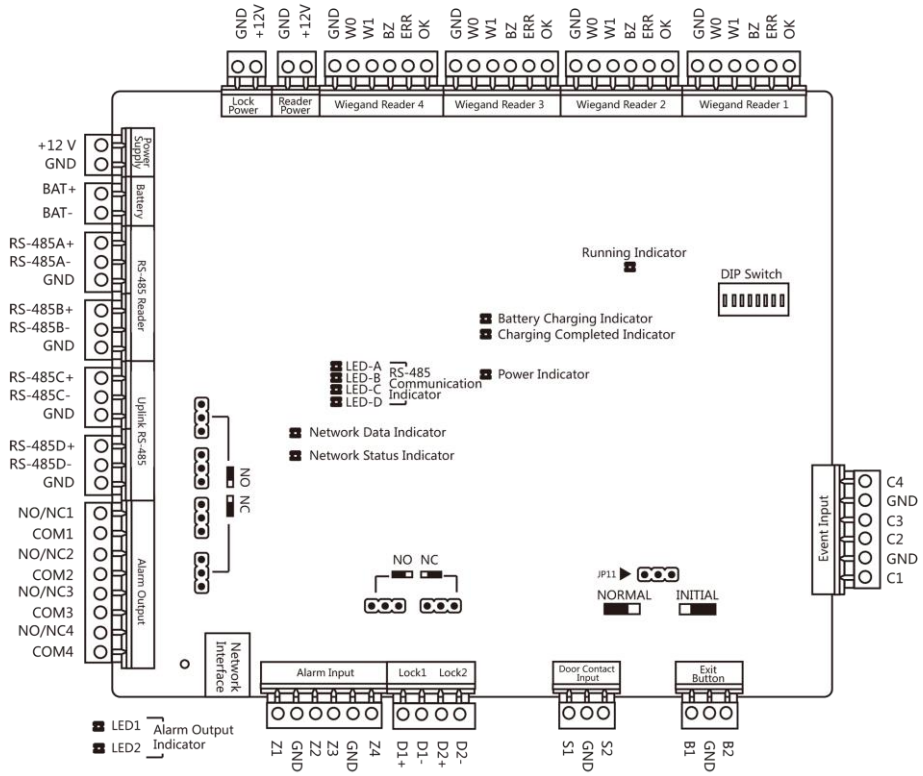


Figure 2 Two-Door Access Controller Main Board

Four-Door Access Controller Main Board Description

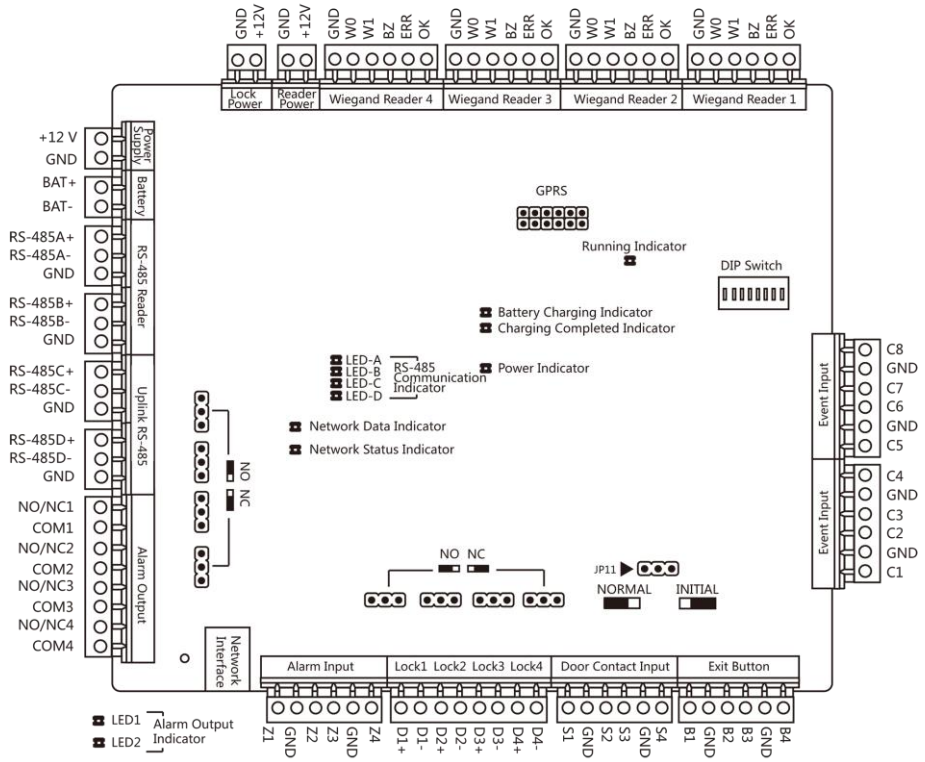


Figure 3 Four-Door Access Controller Main Board

Terminal Description

Single-Door Access Controller Terminal Description You

can view the single-door access controller's terminal description.

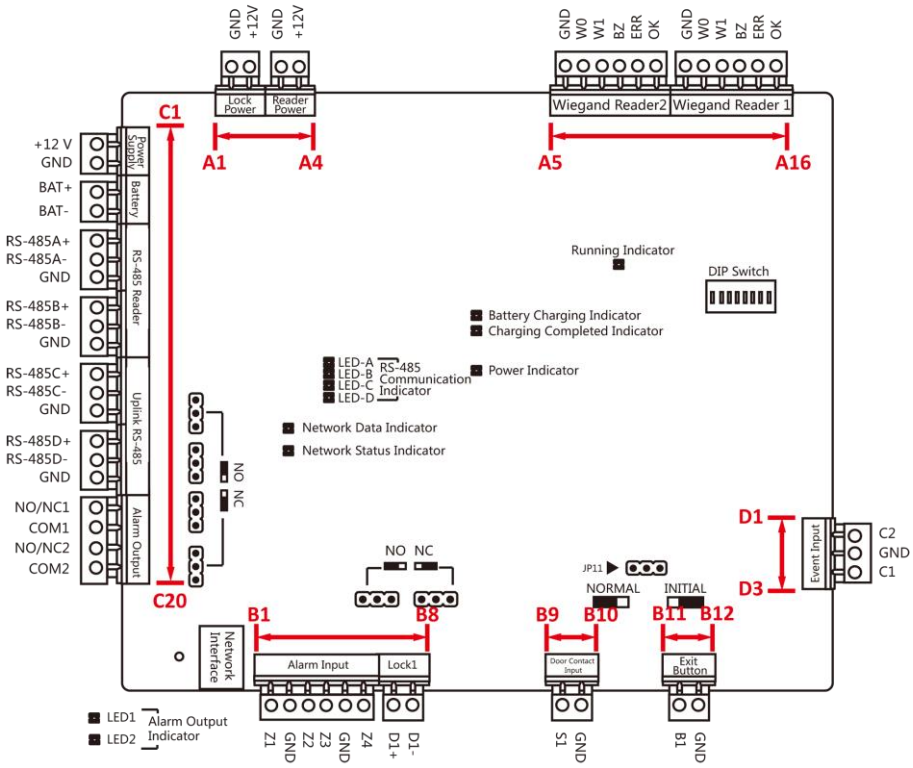


Figure 4 Single-Door Access Controller Main Board

Table 1 Single-Door Access Controller Terminal Description

No.	Single-Door Access Controller		
A1	Power Supply of E-Lock	GND	Grounding
A2		+12 V	Power Supply of E-Lock Output
A3	Power Supply of Card Reader	GND	Grounding
A4		+12 V	Power Supply of Card Reader Output
A5	Wiegand Card Reader	GND	Grounding

No.	Single-Door Access Controller		
A6	2	W0	Wiegand Card Reader Data Input Data0
A7		W1	Wiegand Card Reader Data Input Data1
A8		BZ	Card Reader Buzzer Control Output
A9		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A10		OK	Indicator of Card Reader Control Output (Valid Card Output)
A11	Wiegand Card Reader 1	GND	Grounding
A12		W0	Wiegand Card Reader Data Input Data0
A13		W1	Wiegand Card Reader Data Input Data1
A14		BZ	Card Reader Buzzer Control Output
A15		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A16		OK	Indicator of Card Reader Control Output (Valid Card Output)
B1	Arming Region Input	Z1	Arming Region Access Terminal 1
B2		GND	Grounding
B3		Z2	Arming Region Access Terminal 2
B4		Z3	Arming Region Access Terminal 3

No.	Single-Door Access Controller		
B5		GND	Grounding
B6		Z4	Arming Region Access Terminal 4
B7	E-Lock	D1+	Door 1 Door Relay Input (Dry Contact)
B8		D1-	
B9	Door Contact Input	S1	Door 1 Door Contact Detector Input
B10		GND	Grounding
B11	Door Open Button	B1	Door 1 Door Open Button Input
B12		GND	Grounding
C1	Power	+12 V	12 VDC Cathode
C2		GND	Grounding
C3	Battery	BAT+	12 VDC Battery Cathode
C4		BAT-	12 VDC Battery Anode
C5	RS-485 Card Reader Interface	RS485A+	Card Reader RS485A+ Access
C6		RS485A-	Card Reader RS485A- Access
C7		GND	Grounding
C8		RS485B+	Card Reader RS485B+
C9		RS485B-	Card Reader RS485B-
C10		GND	Grounding
C11	Access Controller RS485 Interface	RS485C+	Uplink RS485+Communication
C12		RS485C-	Uplink RS485- Communication
C13		GND	Grounding
C14		RS 485D+	Reserved
C15		RS 485D-	

No.	Single-Door Access Controller		
C16		GND	
C17	Alarm Output	NO/NC1	Alarm Relay 1 Output (Dry Contact)
C18		COM1	
C19		NO/NC2	Alarm Relay 2 Output (Dry Contact)
C20		COM2	
D1	Event Input	C2	Event Alarm Input 2
D2		GND	Grounding
D3		C1	Event Alarm Input 1

Note

- The Alarm input hardware interface is normally open by default. Only the normally open signal is allowed. It can be linked to the buzzer of the card reader and access controller, the alarm relay output, and door relay open and close.
- Arming region alarm input linkage is only for the alarm relay output linkage.
- RS-485 card reader ID should be set as 1to 2. The table displayed below shows the relationship between the door No. and the ID.

Door No.	RS-485 Card Reader ID	Description
Door 1	1	Enter
	2	Exit

- For single-door access controller, the Wiegand card reader and door's relationship is as follows.

Door No.	Wiegand Card Reader	Description
Door 1	1	Enter
	2	Exit

Two-Door Access Controller Terminal Description You

can view the two-door access controller's terminal description.

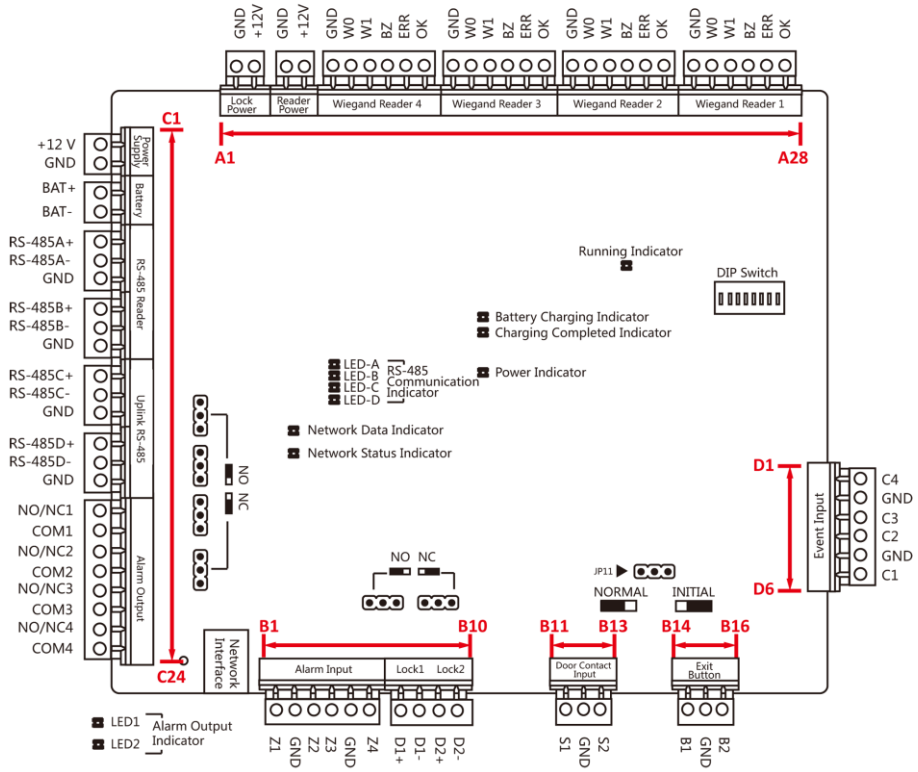


Figure 5 Two-Door Access Controller Main Board

Table 2 Two-Door Access Controller Terminal Description

No.	Two-Door Access Controller		
A1	Power Supply of E-Lock	GND	Grounding
A2		+12 V	Power Supply of E-Lock Output
A3	Power Supply of Card Reader	GND	Grounding
A4		+12 V	Power Supply of Card Reader Output
A5	Wiegand Card Reader 4	GND	Grounding
A6		W0	Wiegand Card Reader Data Input Data0
A7		W1	Wiegand Card Reader Data Input Data1

No.	Two-Door Access Controller		
A8		BZ	Card Reader Buzzer Control Output
A9		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A10		OK	Indicator of Card Reader Control Output (Valid Card Output)
A11	Wiegand Card Reader 3	GND	Grounding
A12		W0	Wiegand Card Reader Data Input Data0
A13		W1	Wiegand Card Reader Data Input Data1
A14		BZ	Card Reader Buzzer Control Output
A15		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A16		OK	Indicator of Card Reader Control Output (Valid Card Output)
A17	Wiegand Card Reader 2	GND	Grounding
A18		W0	Wiegand Card Reader Data Input Data0
A19		W1	Wiegand Card Reader Data Input Data1
A20		BZ	Card Reader Buzzer Control Output
A21		ERR	Indicator of Card Reader Control Output (Invalid Card Output)

No.	Two-Door Access Controller		
A22		OK	Indicator of Card Reader Control Output (Valid Card Output)
A23	Wiegand Card Reader 1	GND	Grounding
A24		W0	Wiegand Card Reader Data Input Data0
A25		W1	Wiegand Card Reader Data Input Data1
A26		BZ	Card Reader Buzzer Control Output
A27		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A28		OK	Indicator of Card Reader Control Output (Valid Card Output)
B1	Arming Region Input	Z1	Arming Region Access Terminal 1
B2		GND	Grounding
B3		Z2	Arming Region Access Terminal 2
B4		Z3	Arming Region Access Terminal 3
B5		GND	Grounding
B6		Z4	Arming Region Access Terminal 4
B7	E-Lock1	D1+	Door 1 Door Relay Input (Dry Contact)
B8		D1-	
B9	E-Lock2	D2+	Door 2 Door Relay Input (Dry Contact)
B10		D2-	
B11	Door Magnetic	S1	Door 1 Magnetic

No.	Two-Door Access Controller		
	Detector		Detector Input
B12		GND	Grounding
B13		S2	Door 2 Magnetic Detector Input
B14	Door Button	B1	Door 1 Door Button Input
B15		GND	Grounding
B16		B2	Door 2 Door Button Input
C1	Power	+12 V	12 VDC Cathode
C2		GND	Grounding
C3	Battery	BAT+	12 VDC Battery Cathode
C4		BAT-	12 VDC Battery Anode
C5	RS485 Card Reader Interface	RS485A+	Card Reader RS485A+ Access
C6		RS485A-	Card Reader RS485A- Access
C7		GND	Grounding
C8		RS485B+	Card Reader RS485B+
C9		RS485B-	Card Reader RS485B-
C10		GND	Grounding
C11	Access Controller RS485 Interface	RS485C+	Uplink RS485+Communication
C12		RS485C-	Uplink RS485- Communication
C13		GND	Grounding
C14		RS 485D+	Reserved
C15		RS 485D-	
C16		GND	
C17	Alarm Output	NO/NC1	Alarm Relay 1 Output

No.	Two-Door Access Controller		
C18		COM1	(Dry Contact)
C19		NO/NC2	Alarm Relay 2 Output (Dry Contact)
C20		COM2	
C21		NO/NC3	Alarm Relay 3 Output (Dry Contact)
C22		COM3	
C23		NO/NC4	Alarm Relay 4 Output (Dry Contact)
C24		COM4	
D1	Event Input	C4	Event Alarm Input 4
D2		GND	Grounding
D3		C3	Event Alarm Input 3
D4		C2	Event Alarm Input 2
D5		GND	Grounding
D6		C1	Event Alarm Input 1

Note

- The alarm input hardware interface is normally open by default. So only the normally open signal is allowed. It can be linked to the buzzer of the card reader and access controller, the alarm relay output, and door relay open and close.
- Arming region alarm input linkage is only for the alarm relay output linkage.
- RS-485 card reader ID should be set as 1 to 8.

Door No.	RS-485 Card Reader ID	Description
Door 1	1	Enter
	2	Exit
Door 2	3	Enter
	4	Exit

- For two-door access controller, the Wiegand card reader and door's relationship is as follows.

Door No.	Wiegand Card Reader	Description
Door 1	1	Enter
	2	Exit
Door 2	3	Enter

Door No.	Wiegand Card Reader	Description
	4	Exit

Four-Door Access Controller Terminal Description You

can view the four-door access controller's terminal description.

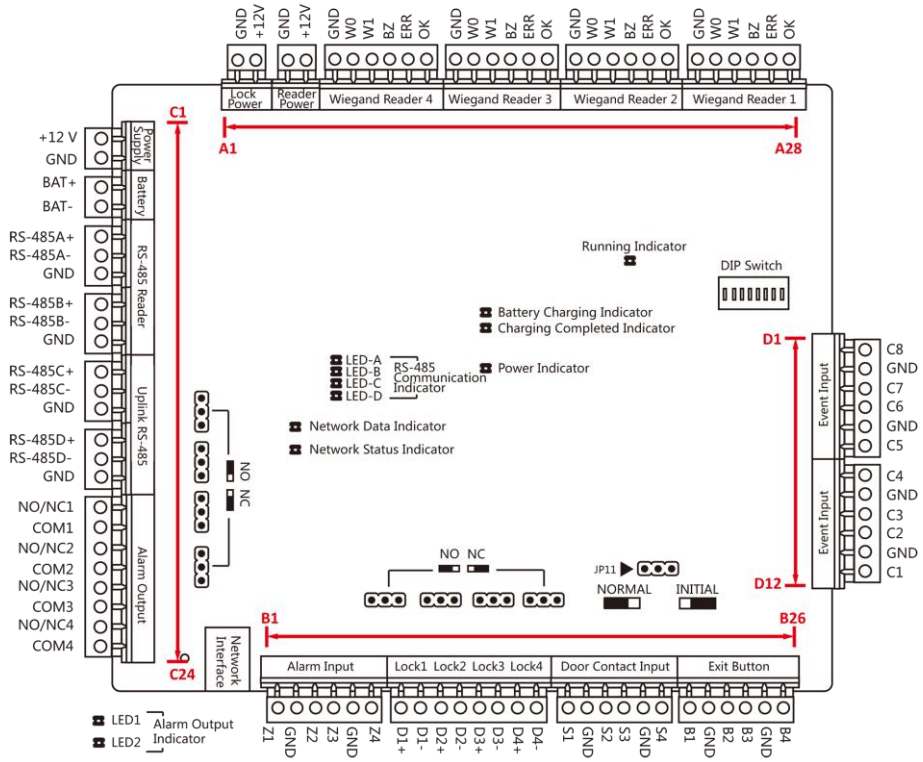


Figure 6 Four-Door Access Controller Main Board

Table 3 Four-Door Access Controller Terminal Description

No.	Four-Door Access Controller		
A1	Power Supply of E-Lock	GND	Grounding
A2		+12 V	Power Supply of E-Lock Output
A3	Power Supply of Card Reader	GND	Grounding
A4		+12 V	Power Supply of Card Reader Output
A5	Wiegand Card Reader	GND	Grounding

No.	Four-Door Access Controller		
A6	4	W0	Wiegand Card Reader Data Input Data0
A7		W1	Wiegand Card Reader Data Input Data1
A8		BZ	Card Reader Buzzer Control Output
A9		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A10		OK	Indicator of Card Reader Control Output (Valid Card Output)
A11	Wiegand Card Reader 3	GND	Grounding
A12		W0	Wiegand Card Reader Data Input Data0
A13		W1	Wiegand Card Reader Data Input Data1
A14		BZ	Card Reader Buzzer Control Output
A15		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A16		OK	Indicator of Card Reader Control Output (Valid Card Output)
A17	Wiegand Card Reader 2	GND	Grounding
A18		W0	Wiegand Card Reader Data Input Data0
A19		W1	Wiegand Card Reader Data Input Data1
A20		BZ	Card Reader Buzzer Control Output

No.	Four-Door Access Controller		
A21		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A22		OK	Indicator of Card Reader Control Output (Valid Card Output)
A23	Wiegand Card Reader 1	GND	Grounding
A24		W0	Wiegand Card Reader Data Input Data0
A25		W1	Wiegand Card Reader Data Input Data1
A26		BZ	Card Reader Buzzer Control Output
A27		ERR	Indicator of Card Reader Control Output (Invalid Card Output)
A28		OK	Indicator of Card Reader Control Output (Valid Card Output)
B1	Arming Region Input	Z1	Arming Region Access Terminal 1
B2		GND	Grounding
B3		Z2	Arming Region Access Terminal 2
B4		Z3	Arming Region Access Terminal 3
B5		GND	Grounding
B6		Z4	Arming Region Access Terminal 4
B7	E-Lock1	D1+	Door 1 Door Relay Input (Dry Contact)
B8		D1-	

No.	Four-Door Access Controller		
B9	E-Lock2	D2+	Door 2 Door Relay Input (Dry Contact)
B10		D2-	
B11	E-Lock3	D3+	Door 3 Door Relay Input (Dry Contact)
B12		D3-	
B13	E-Lock4	D4+	Door 4 Door Relay Input (Dry Contact)
B14		D4-	
B15	Door Magnetic Detector	S1	Door 1 Magnetic Detector Input
B16		GND	Grounding
B17		S2	Door 2 Magnetic Detector Input
B18		S3	Door 3 Magnetic Detector Input
B19		GND	Grounding
B20		S4	Door 4 Magnetic Detector Input
B21	Door Button	B1	Door 1 Door Button Input
B22		GND	Grounding
B23		B2	Door 2 Door Button Input
B24		B3	Door 3 Door Button Input
B25		GND	Grounding
B26		B4	Door 4 Door Button Input
C1	Power	+12 V	12 VDC Cathode
C2		GND	Grounding
C3	Battery	BAT+	12 VDC Battery Cathode
C4		BAT-	12 VDC Battery Anode
C5	RS485 Card Reader	RS485A+	Card Reader RS485A+

No.	Four-Door Access Controller		
	Interface		Access
C6		RS485A-	Card Reader RS485A-Access
C7		GND	Grounding
C8		RS485B+	Card Reader RS485B+
C9		RS485B-	Card Reader RS485B-
C10		GND	Grounding
C11	Access Controller RS485 Interface	RS485C+	Uplink RS485+Communication
C12		RS485C-	Uplink RS485-Communication
C13		GND	Grounding
C14		RS 485D+	Reserved
C15		RS 485D-	
C16		GND	
C17	Alarm Output	NO/NC1	Alarm Relay 1 Output (Dry Contact)
C18		COM1	
C19		NO/NC2	Alarm Relay 2 Output (Dry Contact)
C20		COM2	
C21		NO/NC3	Alarm Relay 3 Output (Dry Contact)
C22		COM3	
C23		NO/NC4	Alarm Relay 4 Output (Dry Contact)
C24		COM4	
D1	Event Input	C8	Event Alarm Input 8
D2		GND	Grounding
D3		C7	Event Alarm Input 7
D4		C6	Event Alarm Input 6
D5		GND	Grounding
D6		C5	Event Alarm Input 5
D7		C4	Event Alarm Input 4

No.	Four-Door Access Controller		
D8		GND	Grounding
D9		C3	Event Alarm Input 3
D10		C2	Event Alarm Input 2
D11		GND	Grounding
D12		C1	Event Alarm Input 1

Note

- The Alarm input hardware interface is normally open by default. So only the normally open signal is allowed. It can be linked to the buzzer of the card reader and access controller, and the alarm relay output and door relay open and close.
- Arming region alarm input linkage is only for the alarm relay output linkage.
- RS-485 card ID should be set as 1to 8.

Door No.	RS-485 Card Reader ID	Description
Door 1	1	Enter
	2	Exit
Door 2	3	Enter
	4	Exit
Door 3	5	Enter
	6	Exit
Door4	7	Enter
	8	Exit

- For four-door access controller, the Wiegand card reader and door's relationship is as follows.

Door No.	Wiegand Card Reader	Description
Door 1	1	Enter
	/	Exit
Door 2	2	Enter
	/	Exit
Door 3	3	Enter
	/	Exit
Door 4	4	Enter

Door No.	Wiegand Card Reader	Description
	/	Exit

Settings

Initialization (Option 1)

You can initialize the device with the jumper cap.

Steps

1. Remove the jumper cap from the Normal terminal.
2. Cut off the power and restart the access controller.
   The controller buzzer buzzes a long beep.
3. When the beep stopped, plug the jumper cap back to Normal.
4. Cut off the power and restart the access controller.

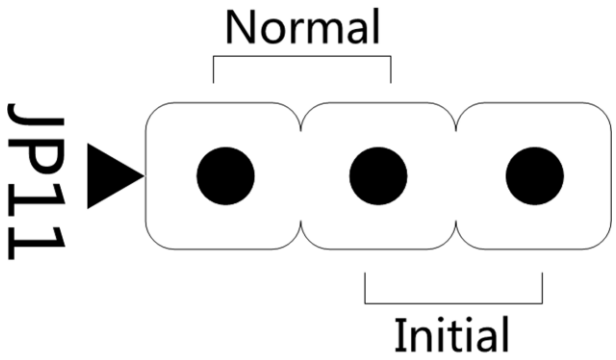


Figure 7 Initialization Jumper

Note

The device initialization will restore all the parameters to the default settings and all the device event logs will be deleted.

Initialization (Option 2)

You can initialize the device with the jumper cap.

Steps

1. Move the jumper cap from Normal to Initial.
2. Cut off the power and restart the access controller.
   The controller buzzer buzzes a long beep.
3. When the beep stopped, move the jumper cap back to Normal.
4. Cut off the power and restart the access controller.

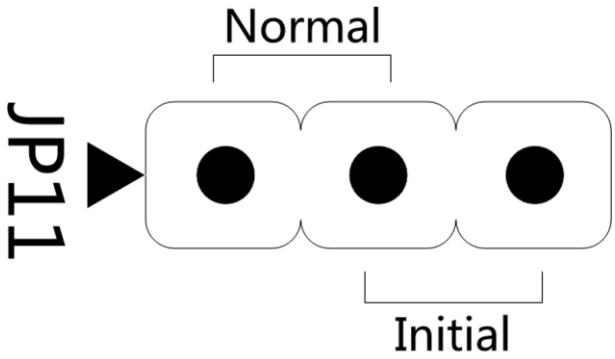


Figure 8 Initialization Jumper

Note

The device initialization will restore all the parameters to the default settings and all the device event logs will be deleted.

Relay Output NO/NC Settings

Lock Relay Output Settings

You can view the NO/NC status of the lock relay.

Lock Relay NO Status

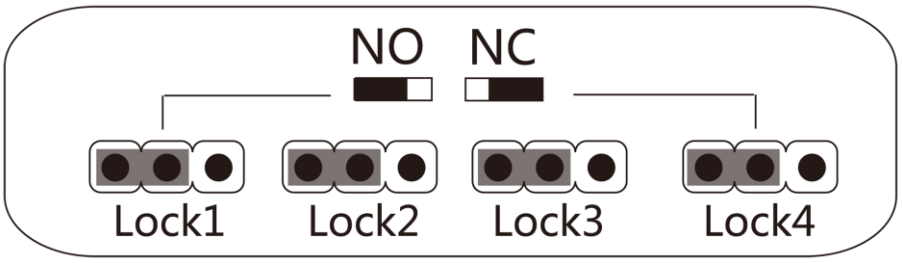


Figure 9 NO Status

Lock Relay NC Status

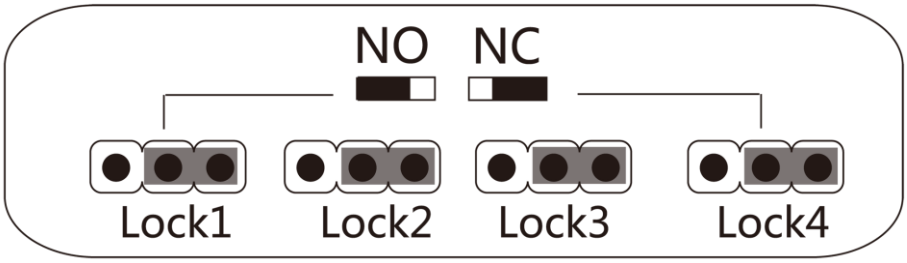


Figure 10 NC Status

Alarm Relay Output Settings You can

view the NO/NC status of the alarm relay. **Alarm**

Relay Output NO Status

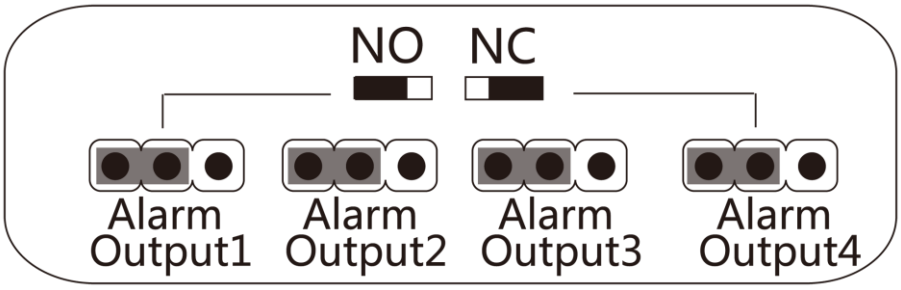


Figure 11 NO Status

Alarm Relay Output NC Status

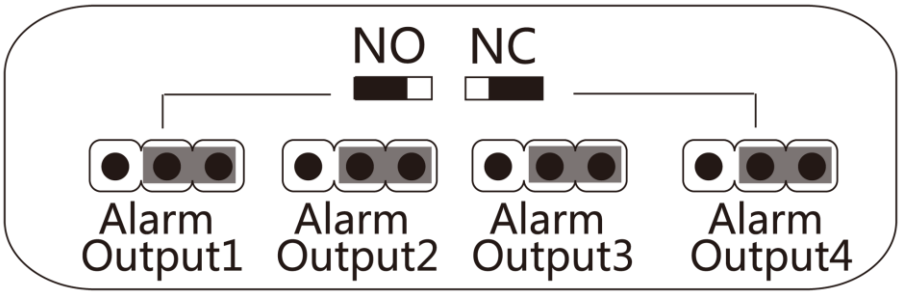


Figure 12 NC Status