

## 2 Terminal and Wiring

### 2.1 Terminals and Interfaces

#### 2.1.1 Indoor Station Terminals

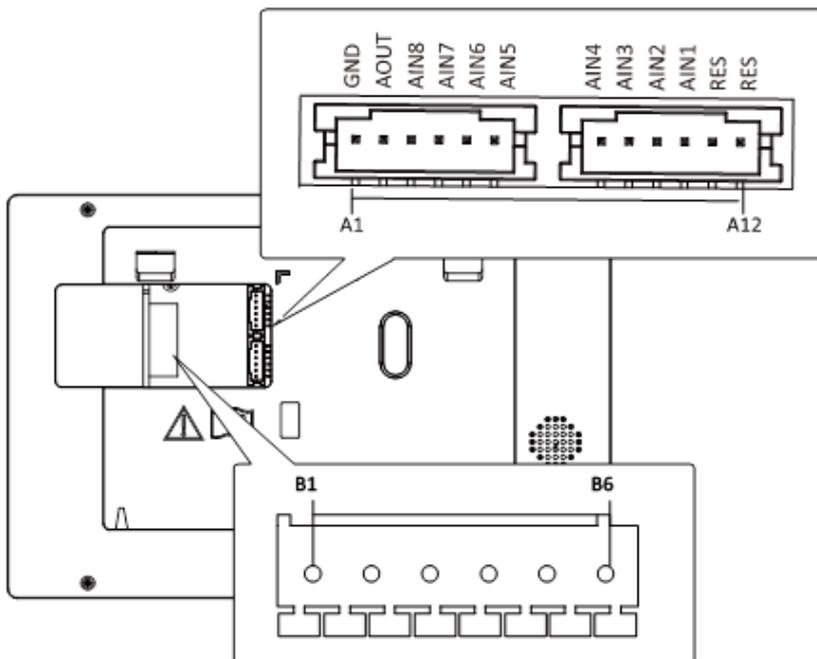


Figure 2-1 Indoor Station Terminals

Table 2-1 Descriptions of Terminals and Interfaces

Name	No.	Interface	Description
Grounding	A1	GND	Grounding
ALARM OUT	A2	AOUT	Alarm Relay Out
ALARM IN	A3	AIN8	Zone Detector Input Terminal 8
	A4	AIN7	Zone Detector Input Terminal 7

Name	No.	Interface	Description
	A5	AIN6	Zone Detector Input Terminal 6
	A6	AIN5	Zone Detector Input Terminal 5
	A7	AIN4	Zone Detector Input Terminal 4
	A8	AIN3	Zone Detector Input Terminal 3
	A9	AIN2	Zone Detector Input Terminal 2
	A10	AIN1	Zone Detector Input Terminal 1
RES	A11	RES	Reserved
	A12	RES	Reserved
Power Supply and Network Transmission	B1	Two-Wire Interface	3 groups of two-wire interfaces (B1 and B2, B3 and B4, B5 and B6) for power supply and network transmission of the indoor station.
	B2		
	B3		
	B4		
	B5		
	B6		

### 2.1.2 Door Station Terminals

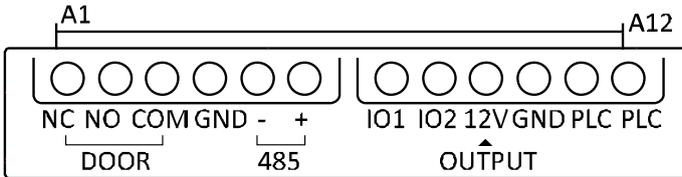


Figure 2-2 Door Station Terminals

Table 2-2 Descriptions of Terminals and Interfaces

Name	No.	Interface	Description
Terminals	A1	NC	Normally Close
	A2	NO	Normally Open
	A3	COM	COM Port
	A4	GND	Grounding
	A5	485-	Reserved
	A6	485+	Reserved
	A7	IO1	Alarm Input 1

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Name	No.	Interface	Description
	A8	IO2	Alarm Input 2
	A9	12V	Power Supply Output
	A10	GND	Grounding
	A11	PLC	Power Input
	A12	PLC	Power Output

### 2.1.3 Video/audio Distributor Terminals and Interfaces



Figure 2-3 Video/audio distributor Terminals

The video/audio distributor contains 9 groups of two-wire interfaces for the access of other devices.

## 2.2 Wiring



### Cautions

Make sure all the related equipment is power-off during the installation.

Choose power cables according to the distance between the door station and the video/audio distributor.

Cable	Resistance per 100 m	Max. Transmission Distance	Max. Distance (Door station doesn't supply power for electric lock.)	Max. Distance (Door station supplies power for electric lock.)
24AWG	10 $\Omega$	50 m	50 m	30 m
20AWG	7 $\Omega$	100 m	100 m	80 m
18AWG	4 $\Omega$	150 m	150 m	100 m



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- The input voltage for electric lock is 12 V and the maximum current is 200 mA.
- When use the wire in network cable as the 24AWG cable, use two wires connect to one device and spare the other six.

Wire the three devices with power supply cables as the picture shown below.

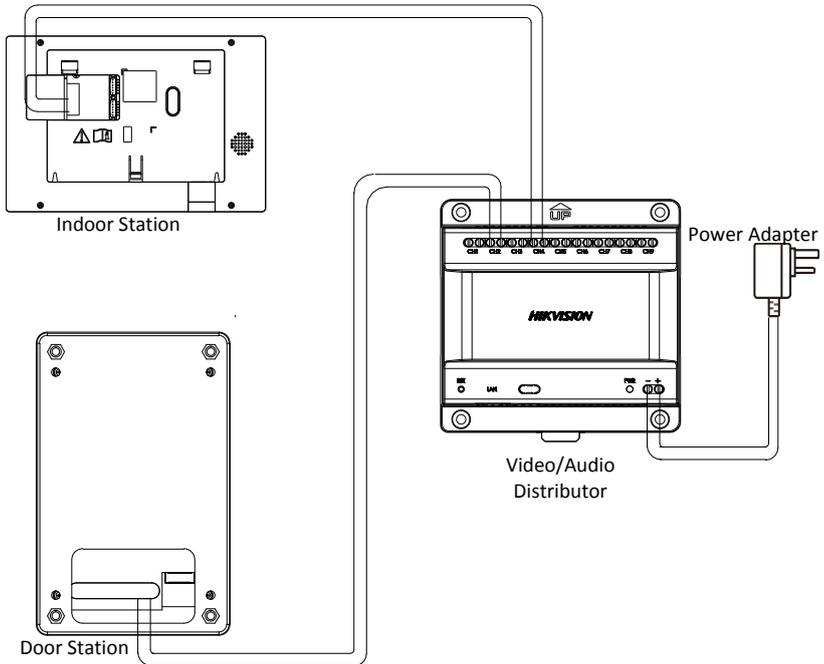


Figure 2-4 Wiring



It's suggested to connect only one video/audio distributor to one switch. If you need to connect more than one video/audio distributor to the switch, please set the PLC channel.

It's suggested to set the PLC channel when there are two or more sets of bundles in use and the distance between the wires of two bundles are less than 1 m. The PLC channel function is made to avoid crosstalk between channels.

The steps as follow:

### Steps:

1. Press call button on the door station for 20 seconds to enable PLC setting mode.

The door station plays 8 rings on a continuous loop.

2. Press the button during the ring you selected.

The door station prompts "Setting succeeded." after 1 to 2 mins.

3. Check the PLC setting on the indoor station.