HIKVISION

DS-K1105 Series Card Reader

User Manual

UD41595B-A

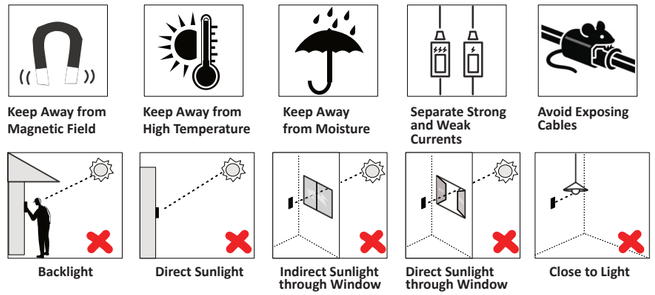
Scan the QR code to get the user manual for detailed information.

270X Series

262X Series

1 Installation

Installation Environment



Cable Requirements

Cable Size	18 AWG	15 AWG	12 AWG
Power Supply	12 V Switched-mode	12 V Switched-mode	12 V Switched-mode
Distance Between Power Supply and Device	≤ 20 m	≤ 30 m	≤ 40 m

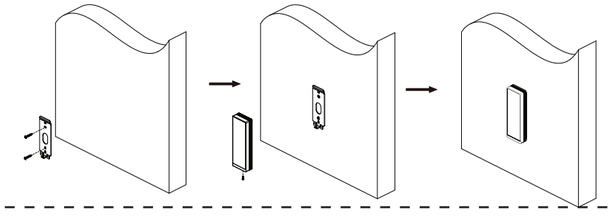
- Indoor and outdoor installation are supported. If installing the device indoors, the device should be at least 2 meters away from the light, and at least 3 meters away from the window or the door. If installing the device outdoors, you should apply Silicone sealant among the cable wiring area to keep the raindrop from entering.
- The additional force shall be equal to three times the weight of the equipment. The equipment and its associated mounting means shall remain secure during the installation. After the installation, the equipment, including any associated mounting plate, shall not be damaged.
- If there are raindrops or dust remaining on the surface of the card reader, it may affect the key operation and infrared wave function, so it is recommended to wipe it clean before operating.

Wall Mounting

❶ Drill holes on the wall or other surface according to the instructions.

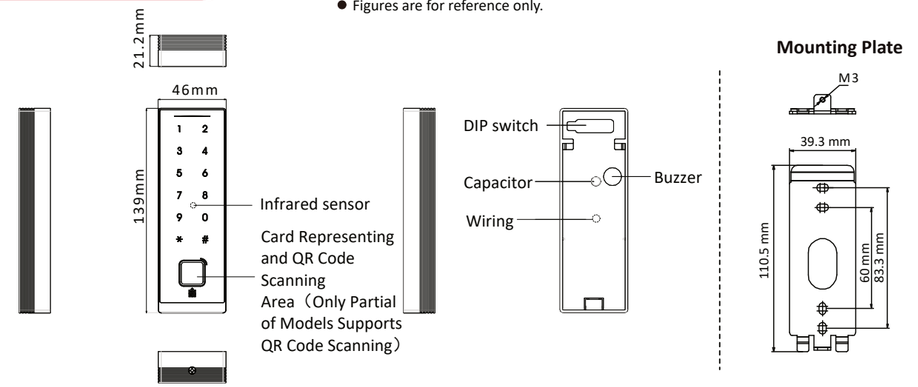
❷ Secure the mounting plate on the wall with two supplied screws (SC-KA4X25-SUS). Wire the cables.

❸ Align the device with the mounting plate, press and hold the device from above, and secure the device on the mounting plate with 1 supplied screw (SC-KM3X8-SUS-NL).



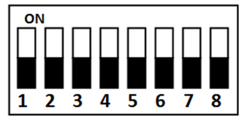
2 Appearance

- Different models have different card swiping positions, please refer to the actual device.
- Figures are for reference only.



3 DIP Switch Description

DIP Switch Description



The DIP switch module is shown as left. The No. of DIP switch from left to right is 1 to 8.

Represent 1 (ON) in binary mode

Represent 0 (OFF) in binary mode

- **DIP switch 1 to 4 refers to** RS-485 address. When the switch towards 1, it refers to 1. When the switch is towards 0, it refers to 0.

RS-485 Address	DIP Switch 1	DIP Switch 2	DIP Switch 3	DIP Switch 4
Address 1	ON	OFF	OFF	OFF
Address 2	OFF	ON	OFF	OFF
Address 3	ON	ON	OFF	OFF
Address 4	OFF	OFF	ON	OFF

- **DIP switch 5 refers to** card security. DIP switch in the ON position indicates that the M1 card encryption function is enabled, and the NFC card reading function is disabled, reading card content. In the OFF position, it indicates that the M1 card encryption function is disabled, and the NFC card reading function is enabled, reading only the card No.
- **DIP switch 6 refers to** Wiegand protocol or RS-485 protocol. The DIP switch in the ON position indicates Wiegand communication, and in the OFF position indicates RS-485 communication.
- **DIP switch 7 refers to** Wiegand Protocol Selection. The DIP switch in the ON position indicates Wiegand 26, and in the OFF position indicates Wiegand 34.

After the DIP is changed, the device needs to be restarted to take effect.

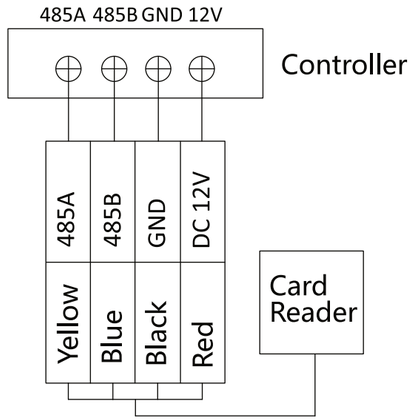
4 Wiring

Wire the cables between controller and card reader, thus to establish the communication between them.

Wiring for RS-485 Communication Mode

Steps

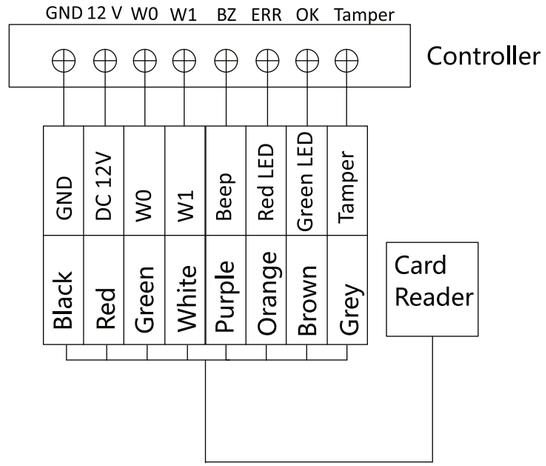
1. Set the DIP switch of No. 6 as 0.
2. Set the DIP switch of No. 1~4 for RS-485 address.
3. Wire the cable between controller and card reader as shown below.



Wiring for Wiegand Communication Mode

Steps

1. Set the DIP switch of No. 6 as 1.
2. Set the DIP switch of No. 5 and 7 for reading card mode and Wiegand protocol.
3. Wire the cable between controller and card reader as shown below.



5 Sound Prompt and Indicator

After the card reader is powered on, LED status indicator will turn green and flashing once. Then it will turn red and flashing 3 times. At last the buzzer will send out a beep sound indicating the starting up process is completed.

When the device is turned on, do not obscure the panel.

Sound Prompt Description

Sound	Description
1 “beep”	1. Swipe card 2. Press button 3. The input password length is too long 4. Two button pressing interval is too long (button pressing timeout) 5. Device booting 6. Multiple authentication timeout 7. QR code detected 8. Two consecutive intervals of tampering exceed 5 s
3 slow "beep"	Multiple authentication timeout
2 fast "beep"	Card swiping is effective
3 slow "beep"	Card swiping is ineffective
Continuous rapid "beep"	Buzzer Alarm
Continuous slow "beep"	Reader unencrypted
8 fast "beep"	Card is a copy card (M card)

LED Indicator Description

LED Status	Description
Red flash 3 times	Multiple authentication timeout
Solid Green for 3 seconds	Card swiping is effective
Red flash 3 times	Card swiping is ineffective
Green flash once, and red flash 3 times	Device rebooting
White breathing light	Device is on normal working mode
Red continuous flash - fast	Card reader dropout, and registration failure.
Green continuous flash	Wait in multiple authentication
Red	Osdp protocol is in standby mode
Blue flash once	Tampering once
Red flash twice	Two consecutive intervals of tampering exceed 5 s