Rear View

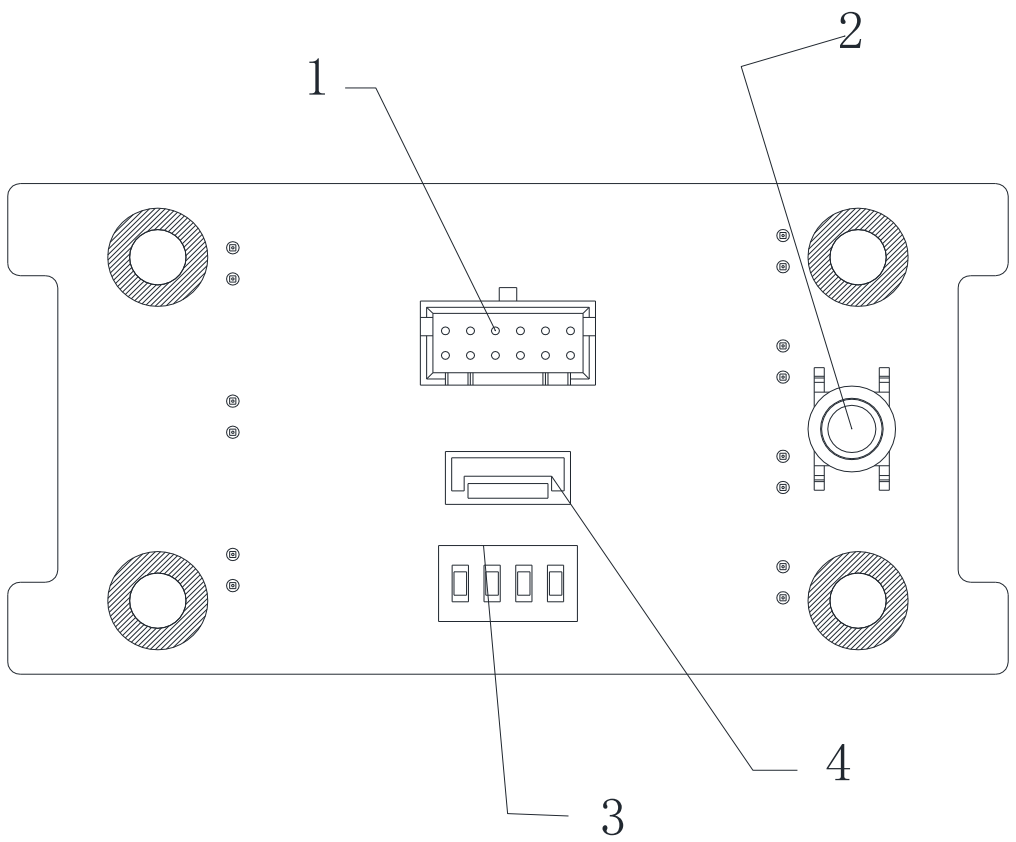

Figure 1. 2 Rear View of Secure Door Control Unit

Table 1. 1 Description of Rear View

No.	Name
1	Cable Interface of RS-485, Power, LED Control, etc.
2	Tampering Prevention Switch
3	DIP Switch (For details, see *Chapter 2.1* Introduction of DIP Switch)
4	Wiegand Interface

Introducing Indicators

The Indicators of the Secure Door Control Unit are POWER, RUN, RX, TX, RELAY, SENSOR and BUTTON.
The following tables introduce the meaning of different indicator's status:

POWER:

Solid Red	The unit is powered on.

RUN:

Flicking Green	The tempering prevention switch is open. Tempering alarm.
Solid Green	The tempering prevention switch is open. The device is running.

RX, TX - RS 485 Communication Indicator:

Flicking Green	The RS 485 communication is built.
Solid Greed	The RS 485 communication is not built.

RELAY: Indicate the lock status:

Green	The indicator will be solid green for a while when the opening door action is done. (The opening door action includes swiping the card, remote opening door and so on.) ***Notes:*** ● Make sure the unit is powered on. ● Make sure the unit is connecting the lock.

SENSOR – Indicate the door contact status:

Green	The indicator is solid green when the door is open. When the door is closed, the indicator is off. ***Notes:*** ● Make sure the unit is powered on. ● Make sure the unit is connecting the door contact.

BUTTON – Indicate the Exit button

Green	The green light is on when press the Exit button. When release the button, the green light will be off. ***Notes:*** ● Make sure the unit is powered on. ● Make sure the unit is connecting the Exit button.

Installation

Introduction of DIP Switch

For the DIP switch position, please refer to No.3 of Table 2.1 Description of Rear View. The DIP switch module is shown below. The number of DIP switch from left to right is 1 to 4.

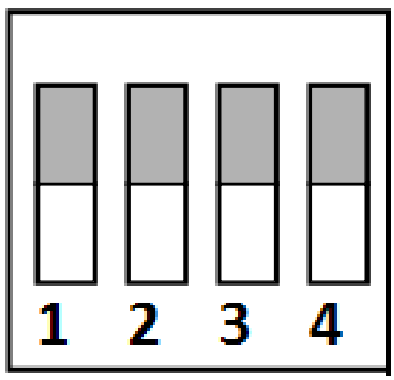

Figure 2. 1 DIP Switch Module (Binary Code: 0000)

The table shows below is the description of the DIP switch.

Table 2. 1 Description of DIP Switch

Icon	Description
	Represent 0 in binary mode
	Represent 1 in binary mode

For example, the binary codes of the following figure from No.1 to 4 are 0011 respectively.

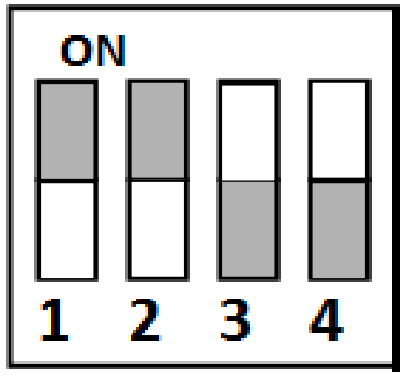

Figure 2. 2 DIP Switch Module (Binary Code: 0011)

The DIP switch in the secure door control unit is for the RS-485 communication. The code range is from 1 to 15, namely the binary code range between 0001 and 1111. The code cannot be repeated.

Wiring Cables

Purpose:

Wire cables between Access Control Terminal, Secure Door Control Unit and the lock input/output devices (Wiring to the Wiegand card reader is optional.) to establish the communication between them.

Steps:

1. Set the DIP switch code. The binary code range is between 0001 and 1111. For details, please refer to *Chapter 2.1 Introduction of DIP Switch.*
2. Plug the Terminal 1 to the Interface 1 as shown in Figure 2.3 and Figure 2.4.

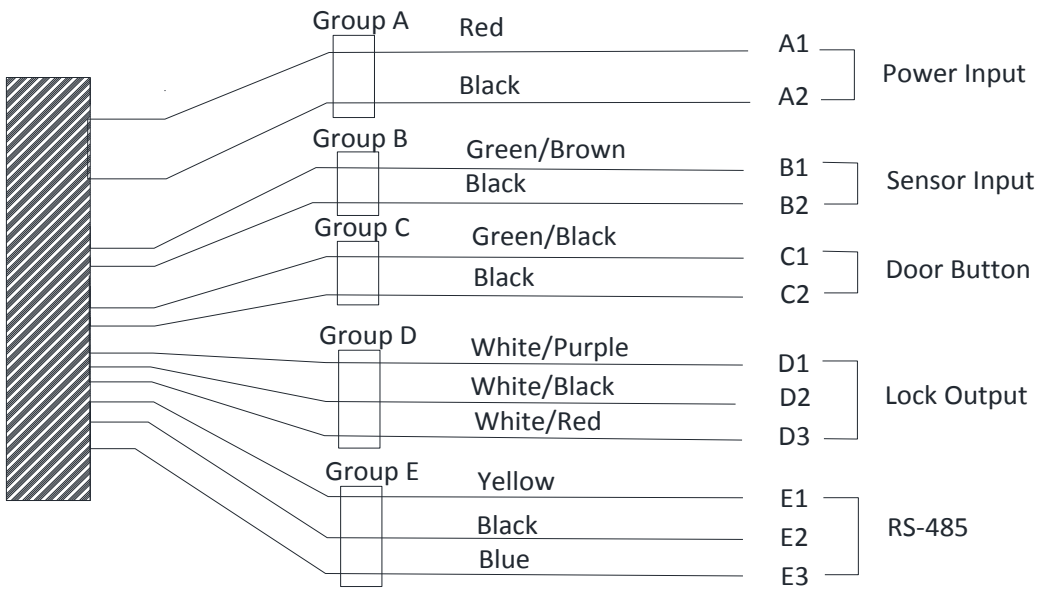

Figure 2. 3 Terminals 1

The table displayed below shows the terminal 1 description:

Table 2. 2 Terminals Descriptions of Secure Door Control Unit

Group	Cable No.	Color	Name	Descriptions
A	A1	Red	+12V	Power Input
	A2	Black	GND	

Secure Door Control Unit

Group	Cable No.	Color	Name	Descriptions
B	B1	Green/Brown	DOOR_SENSOR	Sensor Input
	B2	Black	GND	
C	C1	Green/Black	DOOR_BUTTON	Door Button
	C2	Black	GND	
D	D1	White/Purple	RELAY_NC	Lock Output
	D2	White/Black	RELAY_COM	
	D3	White/Red	RELAY_NO	
E	E1	Yellow	RS485 +	RS-485
	E2	Black	GND	
	E3	Blue	RS485 -	

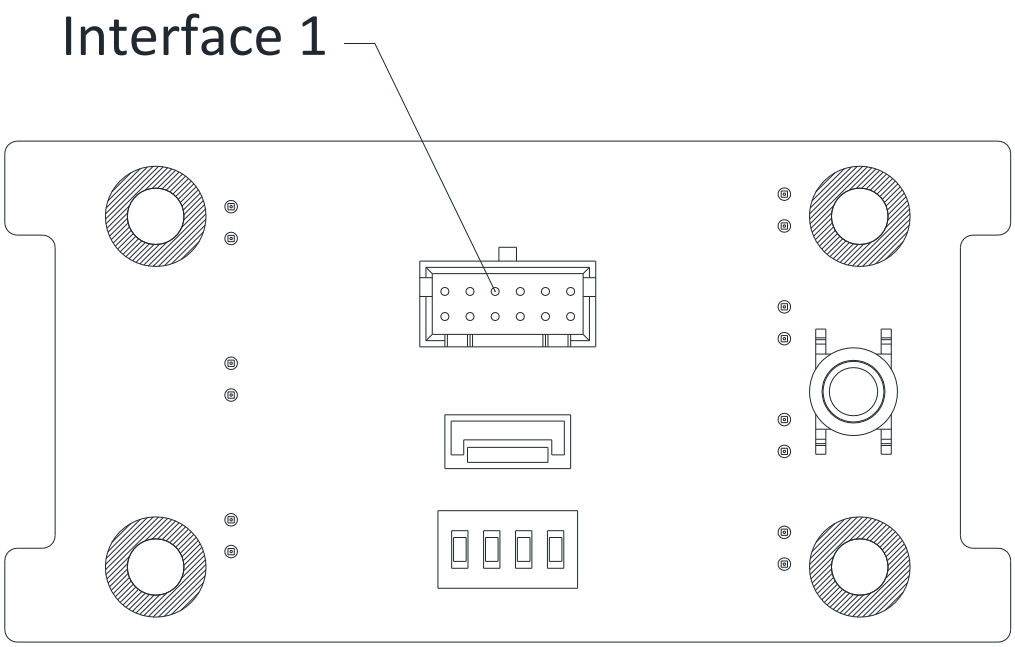

Figure 2. 4 Rear View of Secure Door Control Unit

3. Plug the Wiegand Terminal 2 to the Wiegand as shown in Figure 2.5 and Figure 2.6. The Interface 2 represents the Wiegand interface.

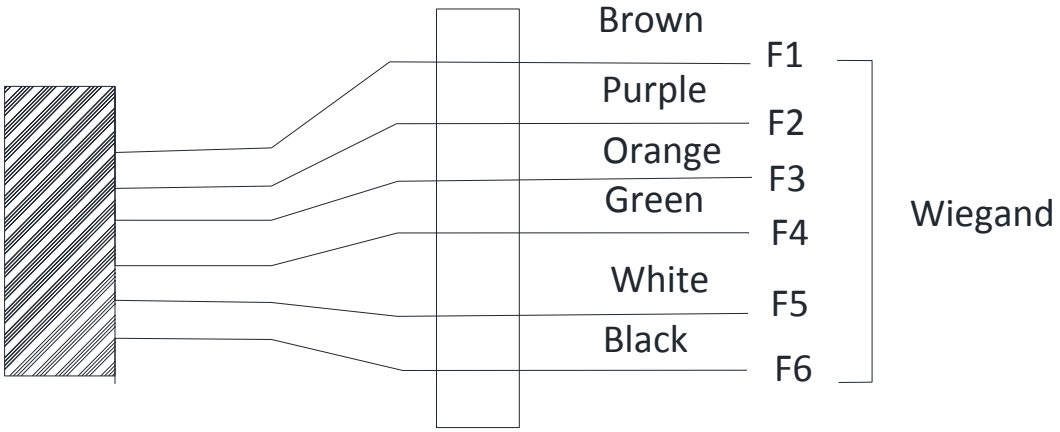

Figure 2. 5 Terminals 2

The table displayed below shows the terminal 2 descriptions:

Table 2. 3 Terminals Descriptions of Secure Door Control Unit

Group	Cable No.	Color	Name	Descriptions
F	F1	Brown	OK	Wiegand
	F2	Purple	BUZZER	
	F3	Orange	ERR	
	F4	Green	W0	
	F5	White	W1	
	F6	Black	GND	

Wiring External Device

The figure displayed below is the wiring introduction of external device:

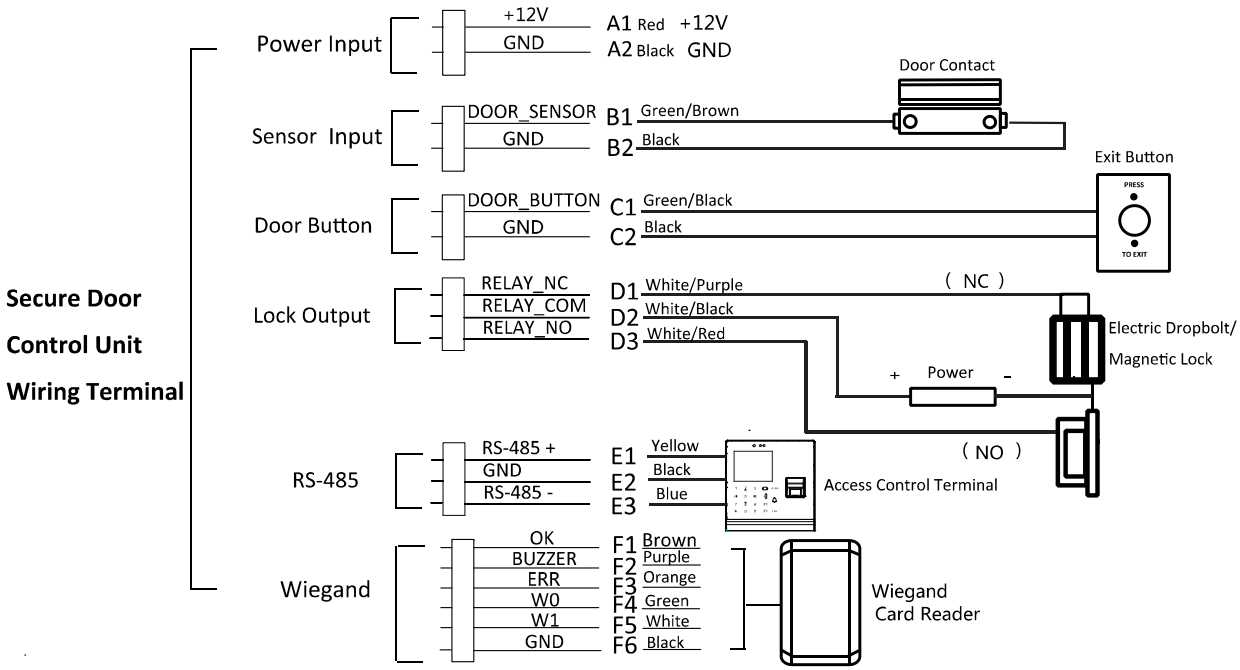

Figure 3. 1 External Device Wiring

0100001060602