How to use DS-K1T804A Fingerprint Terminal connect to card reader by Wiegand

Preparation

Type	Model	Version
Software	IVMS-4200	V3.10.0.6
Fingerprint terminal	DS-K1T804A	V1.4.0 build 230613
Card reader	DS-K1108MK	

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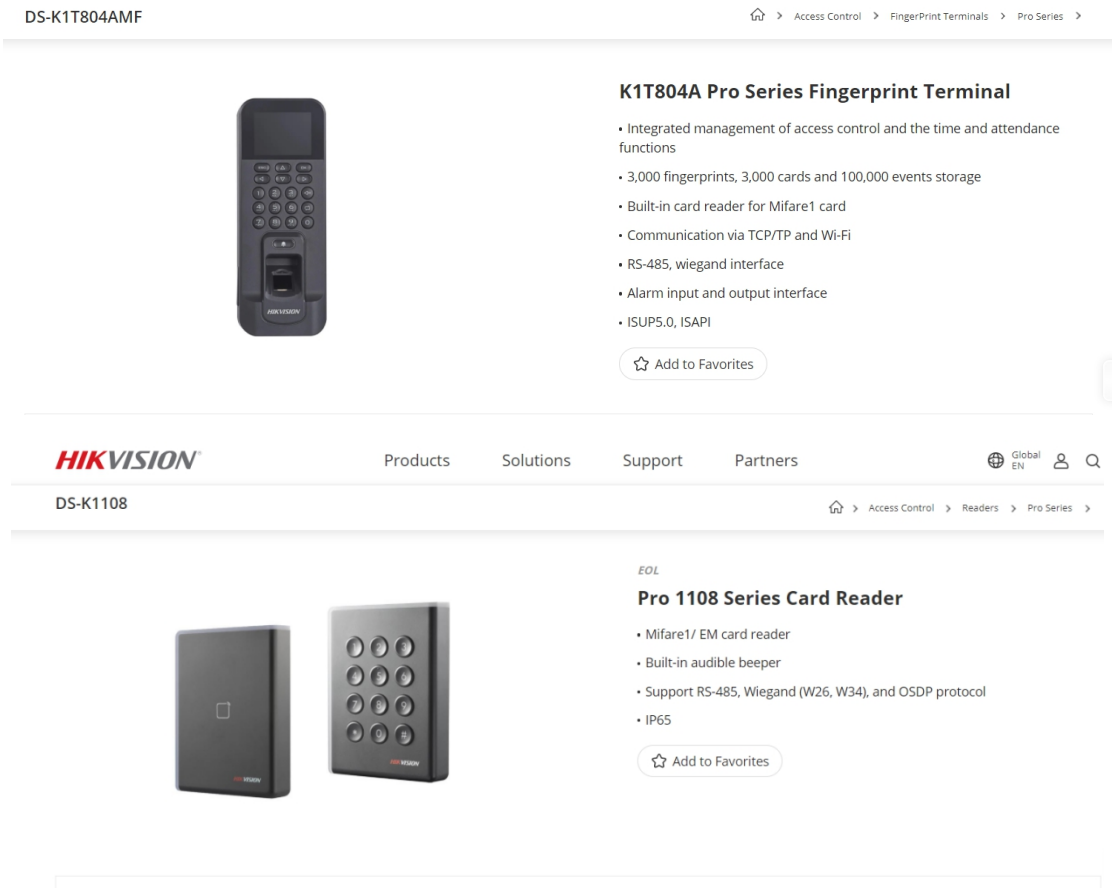
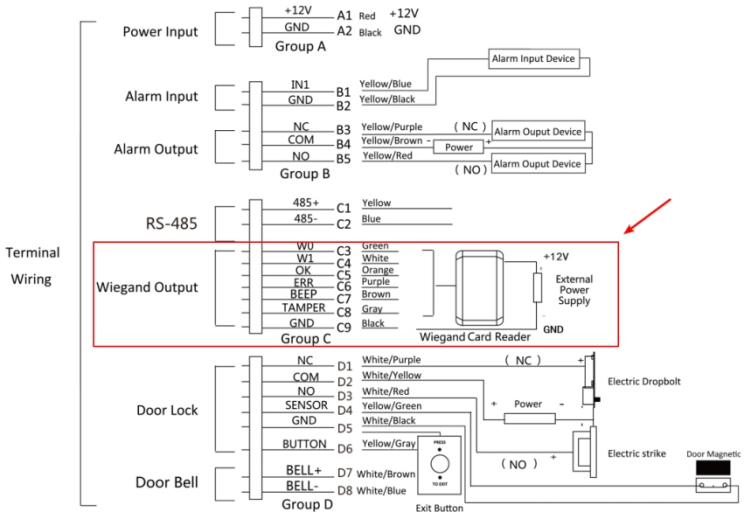
Introduction: This article will introduce how to use DS-K1T804A Fingerprint Terminal connect to card reader by Wiegand.



1. Wiring

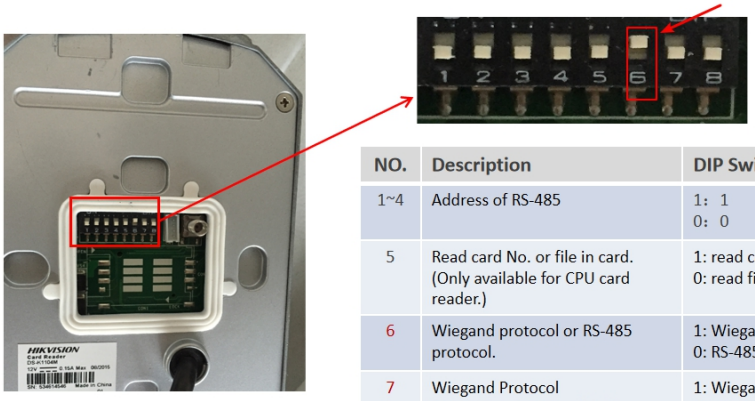
1) **Fingerprint terminal and card reader wiring:** Use the wiegand interface to connect these two device. Follow the indication in the figure below.
2) **Power supply**: Supply power to the fingerprint terminal and the card reader respectively.

3) **Network**: Connect the fingerprint terminal, card reader, as well as the computer for configuration to switch.



Note: must connect GND/W0/W1.

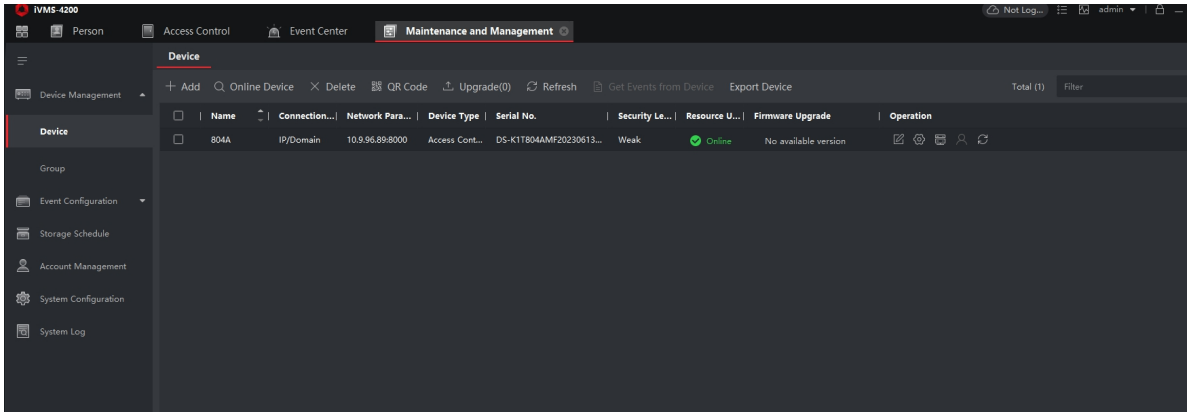
4) **Dip Switch:** set the dip switch of card reader to 0000 0100 that mean enable wiegand protocol.



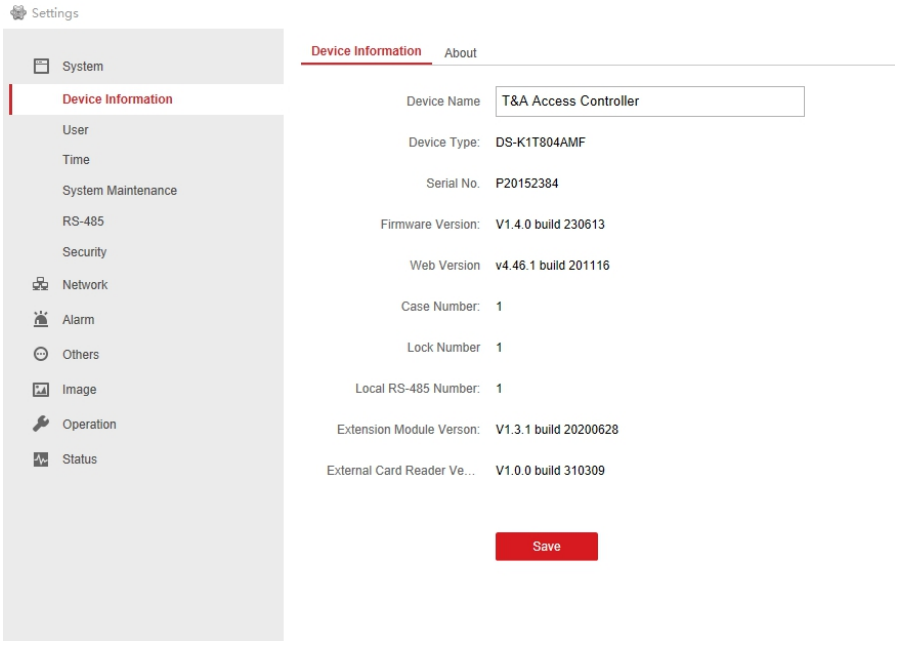
NO.	Description	DIP Switch status
1~4	Address of RS-485	1: 1 0: 0
5	Read card No. or file in card. (Only available for CPU card reader.)	1: read card No; 0: read file in card.
6	Wiegand protocol or RS-485 protocol.	1: Wiegand protocol; 0: RS-485 protocol.
7	Wiegand Protocol (available when No. 6 is 1)	1: Wiegand protocol of 26-bit; 0: Wiegand protocol of 34-bit.
8	Reserved	

2. Configuration

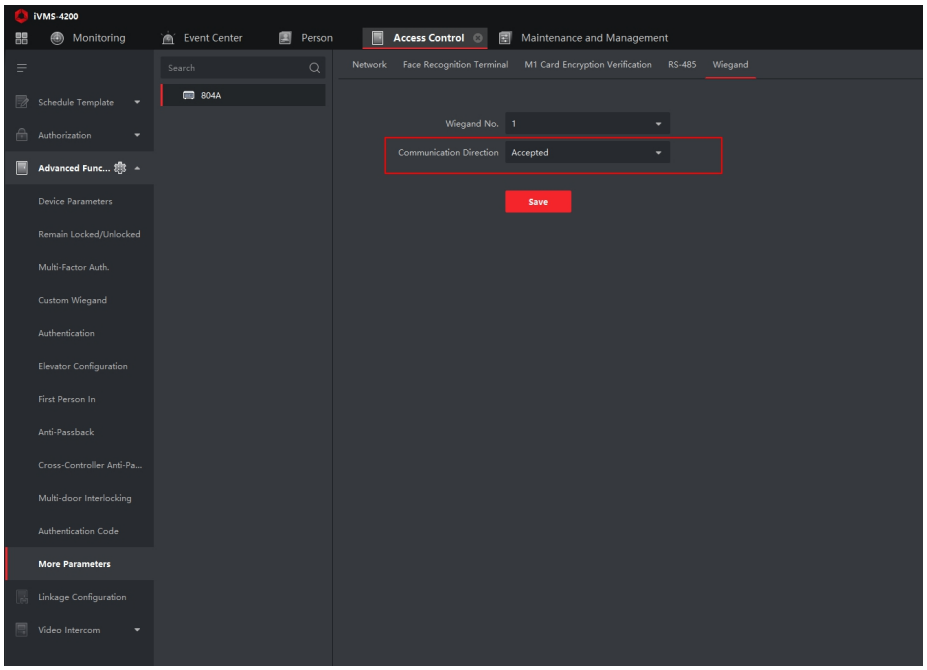
1) Add fingerprint terminal to the IVMS-4200 platform. Make sure the device network status is online.

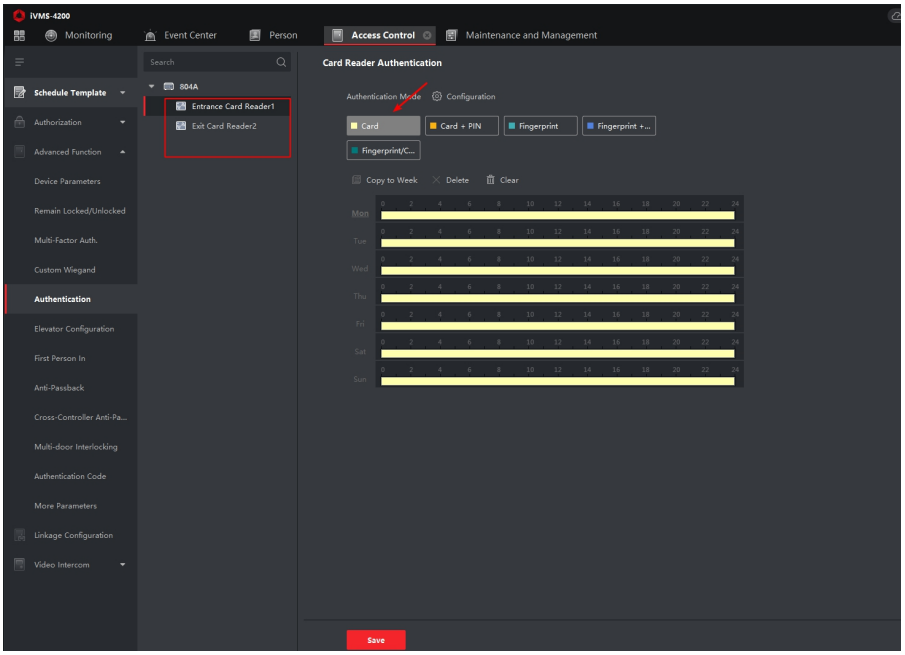


2) Please check the firmware , if not a latest version please upgrade the firmware of fingerprint terminal.

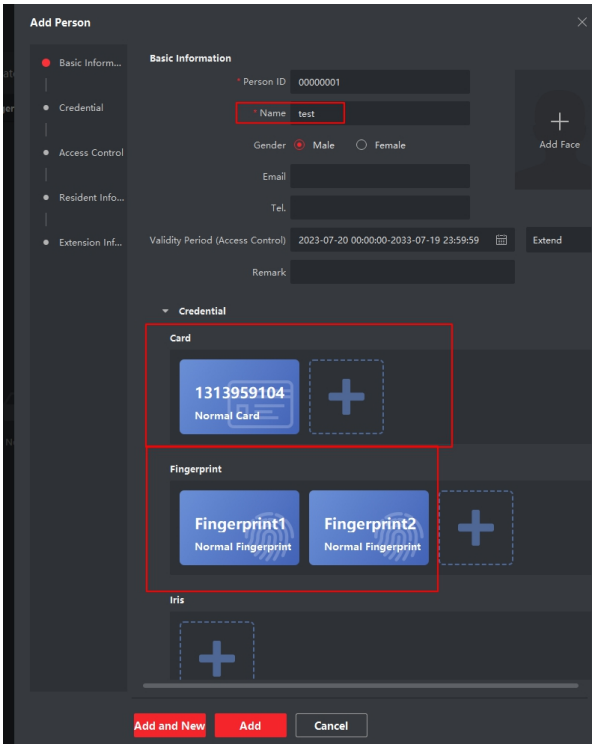


3) Check the 804A wiegand communicaiton direction and authentication mode.

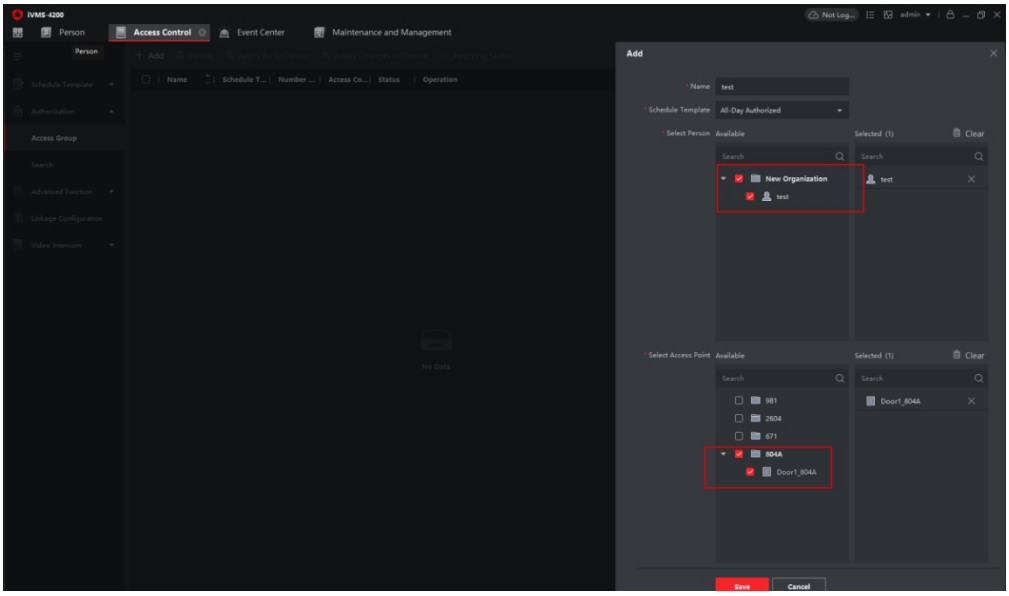




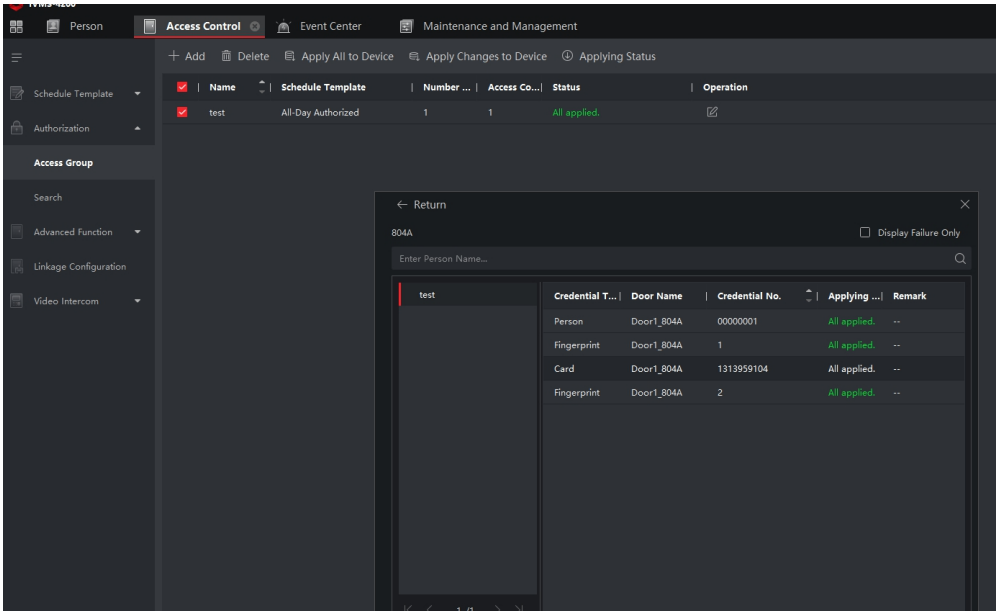
4) Create a person ,enroll a fingerprint and a card number for test person.



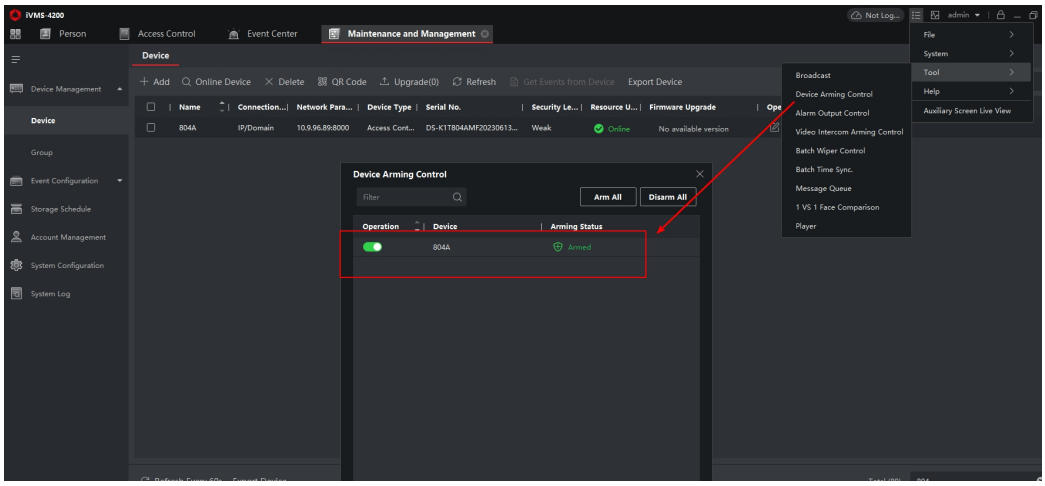
5) Apply the test person to 804A device.

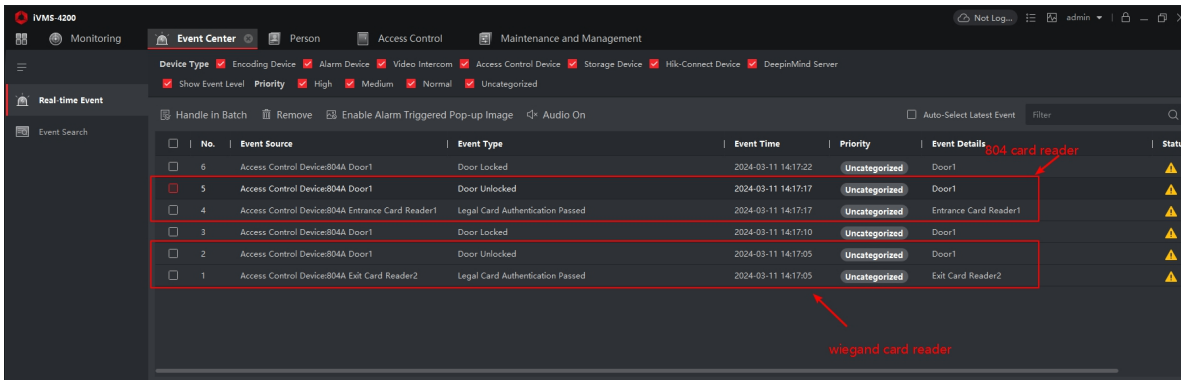


6) Check the data applying status, make sure the data have apply successfully.



7) Test it , view the real event form event center, make sure the device have been arming for this 4200. if not arming , notify the arming IP to disarm it or delete it. And then you can add it again.


iVMS-4200
Person
Access Control
Event Center
Maintenance and Management
Device
Add
Online Device
Delete
QR Code
Upgrade(0)
Refresh
Get Events from Device
Export Device
Device Management
Device
Group
Event Configuration
Storage Schedule
Account Management
System Configuration
System Log
Broadcast
Device Arming Control
Alarm Output Control
Video Intercom Arming Control
Batch Wiper Control
Batch Time Sync.
Message Queue
1 VS 1 Face Comparison
Player
File
System
Tool
Help
Auxiliary Screen Live View
Device Arming Control
Arm All
Disarm All
Operation
Device
Arming Status
804A
Armed


iVMS-4200
Monitoring
Event Center
Person
Access Control
Maintenance and Management
Real-time Event
Event Search
Device Type
Encoding Device
Alarm Device
Video Intercom
Access Control Device
Storage Device
Hik-Connect Device
DeepinMind Server
Show Event Level
Priority
High
Medium
Normal
Uncategorized
Handle in Batch
Remove
Enable Alarm Triggered Pop-up Image
Audio On
Auto-Select Latest Event
No.
Event Source
Event Type
Event Time
Priority
Event Details
804 card reader
6 Access Control Device:804A Door1 Door Locked 2024-03-11 14:17:22 Uncategorized Door1
5 Access Control Device:804A Door1 Door Unlocked 2024-03-11 14:17:17 Uncategorized Door1
4 Access Control Device:804A Entrance Card Reader1 Legal Card Authentication Passed 2024-03-11 14:17:17 Uncategorized Entrance Card Reader1
3 Access Control Device:804A Door1 Door Locked 2024-03-11 14:17:10 Uncategorized Door1
2 Access Control Device:804A Door1 Door Unlocked 2024-03-11 14:17:05 Uncategorized Door1
1 Access Control Device:804A Exit Card Reader2 Legal Card Authentication Passed 2024-03-11 14:17:05 Uncategorized Exit Card Reader2
wiegand card reader

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