HYUNDAI
SECURITY & SAFETY

Face and Card Access Control

HYU-AC-SAVIEM001
User Manual

Face and Card Access Control

User Manual

INTRODUCTION

This device is a stand-alone biometric face & access control with time attendance function. It supports face, card, password, and remote unlock for secure and efficient access management.

Suitable capacity (3000), user-friendly interface, TCP/IP for remote management, and flexible time attendance.

Ideal for offices, factories, and commercial organization, and supports multi-door access control with Tuya Smart App or software.

Specifications

Face Capacity	3,000
Card Capacity	3,000
Log Capacity	100,000
Face Recognition Distance	0.3-1.5m
Unlock Mode	Face/Card/Password/Remote Unlock
Display	2.4"IPS Color Screen
Face Recognition Angle	Horizontal: ±20°, Vertical: ±20°
Anti-spoofing Level	Level 4
Identification Mode	Face, Card, Card + Face, Face + Card
Power Supply	12V/2A
Operating Temperature	0°C~45°C
Operating Humidity	10%-90%RH
Wiring Connections	Wiegand Input/Output (WIFI, Wired Network, Lock Control, Door Sensor, Exit Button, Alarm, Power Supply)
Wiegand Interface	Wiegand 26/34 bits Input/Output (Default: 34 bits Output)
Communication Mode	TCP/IP, Wiegand
Enclosure	Indoor Plastic Enclosure
Dimensions	175*75*35mm
Net Weight	0.5kg
Gross Weight	0.6kg

Product Accessories

- Screwdriver
- Screws
- Drilling Paper

Device Wiring Diagram

- 1.12V / 2000~3000 power Electrical lock
- 2.Wiegand Input/Output
- 3.Wiegand Input/Output (Default: 34 bits Output)
- 4.Wiegand Input/Output (Default: 34 bits Output)
- 5.Wiegand Input/Output (Default: 34 bits Output)
- 6.Wiegand Input/Output (Default: 34 bits Output)
- 7.Wiegand Input/Output (Default: 34 bits Output)
- 8.Wiegand Input/Output (Default: 34 bits Output)

Carton Inventory

INSTALLATION

Wiring

Interface Function	Wire Color	Description
Power Supply	**Red**	**Power Supply**
Gnd	Black	12V DC Regulated Power Gnd
Wiegand	**Green**	**Wiegand Input**
D0	Green	Connect Data Wire Output D0 of Wiegand Card Reader
D1	White	Connect Data Wire Output D1 of Wiegand Card Reader
Wiegand	**Purple**	**Wiegand Output**
D0	Purple	Connect Data Wire Output D0 of Wiegand Card Reader
D1	Grey	Connect Data Wire Output D1 of Wiegand Card Reader
Lock	**Blue**	**Lock Control**
NO	Blue	Normally Open Relay Output (Lock Control)
COM	Yellow	Common Relay Output (Lock Control)
NC	Orange	Normally Closed Relay Output (Lock Control)
Door Sensor	**Brown**	**Door Sensor Input**
Door	Brown	Door Sensor Input
Exit Button	**Blue**	**Exit Button Input**
Exit	Blue	Exit Button Input
Alarm	**Yellow**	**Alarm Output**
NO	Yellow	Alarm Output
COM	Yellow	Alarm Output
Wiegand Output	**Green**	**Wiegand Output**
D0	Green	Wiegand Output D0
D1	White	Wiegand Output D1
Wiegand Input	**Purple**	**Wiegand Input**
D0	Purple	Wiegand Input D0
D1	Grey	Wiegand Input D1
Power Output	**Red**	**Power Output**
Power	Red	12V DC Power Output
Gnd	**Black**	**Gnd**
Gnd	Black	Gnd

Connection Diagram

Menu Operations

The device comes with all relevant settings pre-set. Adjust as needed.

1. User Management

Add, edit, or delete user information and access rights, and enable "Admin".

1.1 Enroll

Add a new user. Input the ID number and name, then select "Face" or "Card". Complete the process.

1.2 Enroll

Enroll a new user.

1.3 Modify

Edit user information, including name, card number, password, and access rights.

1.4 Delete

Delete a user.

1.5 Download / Upload

Export (download) or import (upload) user information.

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2. Department Management

Add, edit, or delete departments.

3. Shift Management

Set work shifts.

4.1 Report

4.2 Download / Upload

Export (download) / Upload (write) and so on.

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4. Download Reports

Export Reports to external Reports or Logs with a disk.

5. Settings

5.1 Device

Device Manager, Date and time, Network

Language	English, Spanish, Chinese
Voice Prompt	Enable/Disable
Voice Broadcast	Enable/Disable
Anti-spoofing Level	Level 1 (Low), Level 2 (Medium), Level 3 (High), Level 4 (Very High)
Identification Mode	Face, Card, Card + Face, Face + Card
Screen Saver	Enable/Disable, Time: 10s, 30s, 60s, 120s, 180s, 300s, 600s
Time Zone	Time Zone: GMT-12:00 ~ GMT+12:00

5.2 Time

Select "Settings", then select "Time", to set the time and date of the device.

5.3 Remote Run

Select "Settings", then select "Remote Run", to set the remote reboot.

Remote reboot will cause the device to reboot. For example, **Cold Setting, and the system will be restarted.** Proceeding with this operation will result in the device temporarily "disconnecting" and initiate "log-in".

6.Unlock

Select "Settings", then "Unlock Time".

Unlock Method	Select the unlock method to Normal, Prior, Lock, Open, Cancel Open, Cancel Lock, Cancel Prior
Unlock Time	Select the unlock time, ranging from 1 to 99 seconds.
Security Alarm	Enable/Disable
Unlock Mode	Select the unlock mode: Face, Card, Password, Face + Card, Face + Password, Card + Password, Face + Card + Password, Any Valid Credential
Unlock Schedule	Select the unlock schedule (Default: Always Unlocked). Ensure the schedule is set in the "Time Schedule" section.
Unlock Group	Select the unlock group. Ensure the group is set in the "Access Group" section.
Door Sensor	Enable/Disable
Door Sensor Type	Normally Open, Normally Closed
Door Sensor Delay	Set the door sensor delay to prevent false alarms. Range: 1-99 seconds.
Exit Button	Enable/Disable
Exit Button Type	Normally Open, Normally Closed
Exit Button Delay	Set the exit button delay to prevent false triggers. Range: 1-99 seconds.
Exit Button Duration	Set the exit button duration. Range: 1-99 seconds.

7.Lock Control

Select "Settings", then Select "Lock Control".

Lock Setting	Tip: set the time interval in seconds for lock. Range: 1-99 seconds. Default: 5 seconds. Tip: set the time interval in seconds for door sensor. Range: 1-99 seconds. Default: 5 seconds.
Lock-in Open	Tip: set the time in seconds for lock-in open. Range: 1-99 seconds. Default: 5 seconds.
Anti-Pass Back	Tip: set the anti-pass back. Select "Enable" or "Disable".
Anti-Pass Back Type	Tip: set the anti-pass back type. Select "Hard" or "Soft".
Anti-Pass Back Time	Tip: set the time for the anti-pass back. Range: 1-99 seconds. Default: 5 seconds.
Door Open Timeout	Tip: set the door open timeout. Range: 1-99 seconds. Default: 5 seconds.
Door Open Timeout Alarm	Tip: set the door open timeout alarm. Select "Enable" or "Disable".
Door Open Timeout Alarm Time	Tip: set the door open timeout alarm time. Range: 1-99 seconds. Default: 5 seconds.
Lock Open Time	Tip: set the lock open time. Range: 1-99 seconds. Default: 5 seconds.
Lock Open Time Alarm	Tip: set the lock open time alarm. Select "Enable" or "Disable".
Lock Open Time Alarm Time	Tip: set the lock open time alarm time. Range: 1-99 seconds. Default: 5 seconds.

Wiegand Format	Wiegand 26bit, 34bit, 34bit (default), 36bit
Wiegand Output	Tip: set Wiegand 26, 34, 34(default), 36bit
Wiegand Output Type	Tip: set Card ID or Card ID + Card Number
Wiegand Output Data	Tip: set Hex or Dec
Wiegand Output Width	Tip: set Wiegand Output Width. Range: 1-99 bits. Default: 34 bits

8. Data Info

8.1 Face Info

Select "Data Info", to view the face information.

8.2 Pagination Info

8.3 Device Info

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