Trudian

Touch the future, light up life.

TD-8701/TD-8702/TD-8704
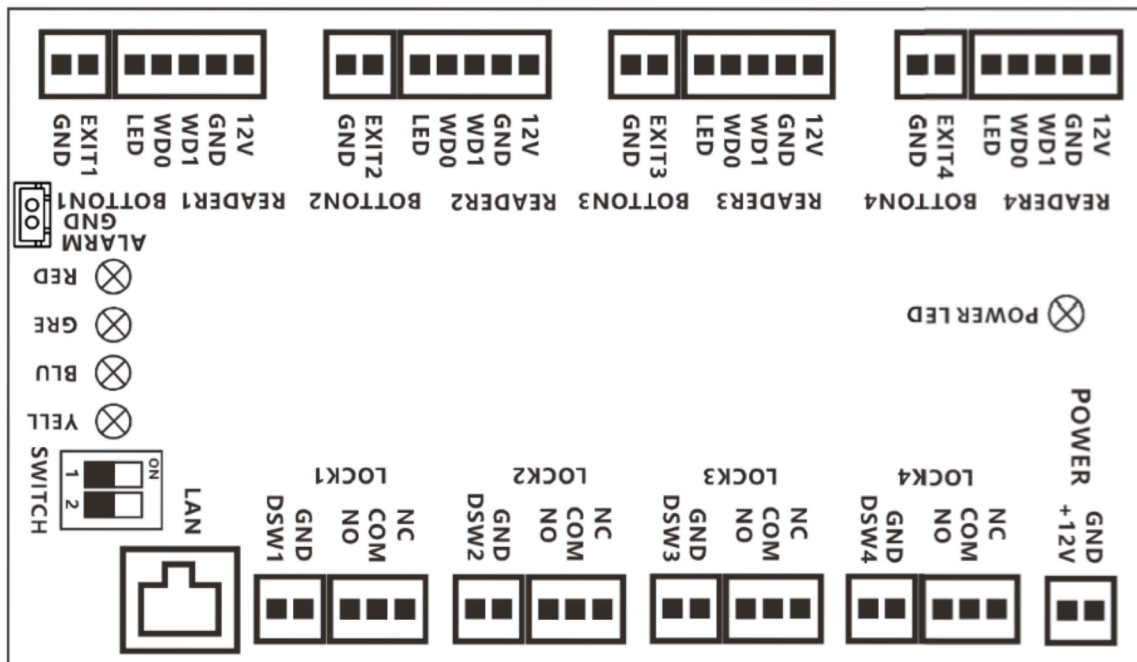# Wiegand Access Controller
User Manual

1、Product Overview

Parameter:

Input	DC12V/500MA
Working mode	networked, offline multi-mode selectable Card
issuing mode	management platform card issuing
Card capacity	40000
Password capacity	20000
Working temperature	-20℃~70℃
Relative humidity	20% ~ 93%
size	162*105*38.5MM

Interface description:
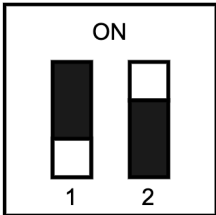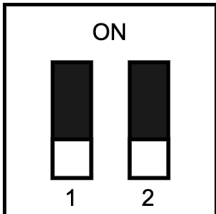
Interface Name	Function Description	Remarks	Interface Name	Function Description	Remarks
+12V	DV12V power input		GND	ground	
12V	Wegen Readhead Power Supply		ALARM	Firefighting linkage signal	
GND	Wegen Reading Headland	Total of 4 groups of signals for 4 readheads	NO	Relays normally open	Total of 4 signals for 4 locks
D1	Wegen Readhead D1		COM	Relay Common	
D0	Wegen Readhead D0		NC	Relay normally closed terminal	
LED	Indicator synchronization signal				
EXITx	Exit button signal	Total of 4 signals for 4 gates	DSWx	Door magnetic detection signal	Total of 4 signals for 4 gates
GND	Go out button ground		GND	Magnetic door detection ground	
SW1 dip switch：（dip code does not dial means 0, dip code dial to ON means 1）					
00：TCP/IP LAN networking 01：Offline					

3、System wiring references:

Reader 1 | Reader 2 | Reader 3 | Reader 4
Exit button 1 | Exit button 2 | Exit button 3 | Exit button 4

READER1: 12V, GND, WD0, WD1, LED
BOTTON1: EXIT1, GND
READER2: 12V, GND, WD0, WD1, LED
BOTTON2: EXIT2, GND
READER3: 12V, GND, WD0, WD1, LED
BOTTON3: EXIT3, GND
READER4: 12V, GND, WD0, WD1, LED
BOTTON4: EXIT4, GND

Power input: +12V, GND

LOCK1: NO, COM, NC, DSW1, GND
LOCK2: NO, COM, NC, DSW2, GND
LOCK3: NO, COM, NC, DSW3, GND
LOCK4: NO, COM, NC, DSW4, GND

ALARM, GND — Fire switch

Network port — TCP/IP — LAN Switches — TCP/IP — Cloud Server

Electric Lock 1 — Magnetic Sensor 1
Electric Lock 2 — Magnetic Sensor 2
Electric Lock 3 — Magnetic Sensor 3
Electric Lock 4 — Magnetic Sensor 4

AC100-240V~50/60HZ

Operating mode selection

Switch Setting	Indicates
ON 1　2 **01**	Offline working
ON 1　2 **00**	TCP/IP LAN networking

Startup status

TCP/IP LAN networking：When the power is on, the blue LED flashes, indicating that it is looking for the network. When normally connected to the network, the buzzer "tick ~ tick" two short beeps, the LED red light is always on, indicating that the cloud access control has started normally; when 20 seconds later is not normally connected to the network, the buzzer "tick tick tick" three beeps, the LED red light is always on, indicating Connection network failure, the controller forced to start. After the controller is normally connected to the network, the LED green light will flash once every 20 seconds, indicating that there is data and the cloud platform interactive communication.

Offline working: When the power is started, the buzzer "beep" a short beep, the LED red light is always on, indicating that the cloud access control has started normally.

Unlock status

When the lock is opened legally, the buzzer of the controller and the reading head will be "beep" at the same time, accompanied by a green LED flashing once, and the corresponding relay will be jumped, which means that the lock is opened successfully; when the lock is opened illegally, the buzzer of the controller and the reading head will be "beep beep beep" three times at the same time, accompanied by a red LED flashing three times, which means that the lock is opened and failed.

Unlock method

The device can be unlocked through the door button, remote APP, cloud server platform remote, and management center platform remote; after accessing the reading head, it can also be unlocked through various ways such as swipe card and password（optional）.

5、Multi-door Controll Configuration

Management Center Add Controller

Connect the controller to the PC with a network cable, open the controller management software, and click Add Controller by Search. At this time, the management software can automatically search for the multi-door controllers connected to the LAN and assign them to the corresponding IP. Then configure the controller to the corresponding area. Click to confirm that the controller can be bound to the corresponding regional access control.

Search Controller ✕

Add Found To Database		Search		Configure		Close	
ID	SN	IP	Mask	Gateway	PORT	MACAddr	PC IPAddress Note
1	29374830982	191.897.1.1	255.255.0.0	192.168.1.1	6000	00-26-9E-26-87-8C	192.168.1.1

Add user and configure his permissions

In the management center, add users to configure the rights of the corresponding area controllers for them. After the configuration is completed, users can open the door in the room where these controllers are installed by swipe card, APP, password, etc. More detailed controller management and

Add User：

User	✕

* User ID: J03

* Name: Lucy

Card NO: 989898

Department: ▾

Photo

☐ Attendance   ☑ Access Control

Activate: 2023/01/12 14:55:14 — 2028/12/13 14:55:14 📅

Pwd: ******

Exit   OK   Add Next

Configuration Permissions：

J01.Lucy——Privileges   ✕

Zone   (All zones) ▾

Optional Doors	3
m001-01	
m001-02	
m001-03	

Selected Doors	1
m001-04	

»
›
«
‹

Cancel   Confirm

6、Remote control controller

Remotely open doors and view access records

After you open Trudian APP and log in the user you have added in the management center, the APP home page shows all the controllers that the current user can control. You can open the door remotely in APP, and you can also view all the door opening information recorded by the controller in APP.

View access records with APP：
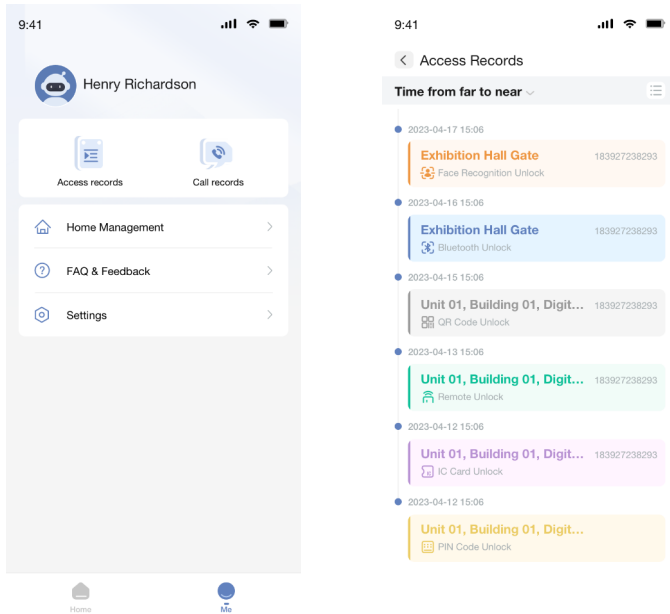
Open the door remotely with APP：
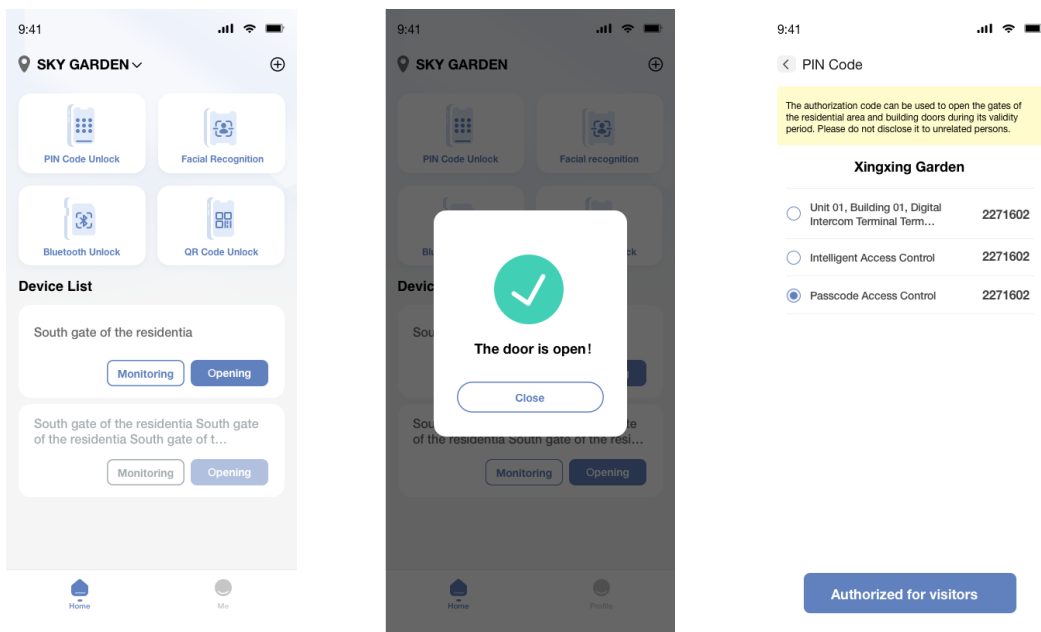
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