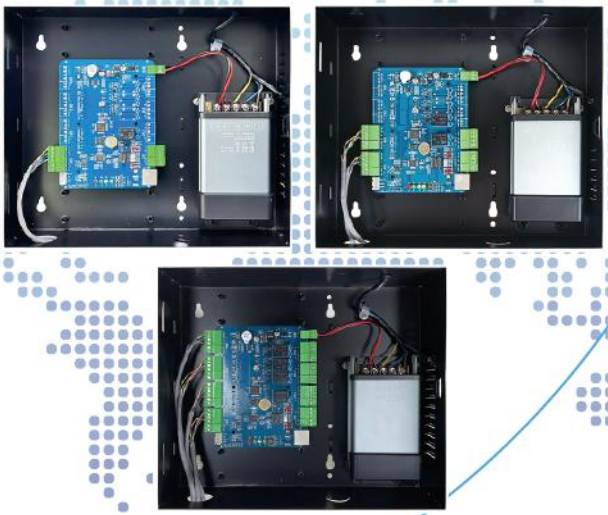
Wiegand Access Controller
User Manual

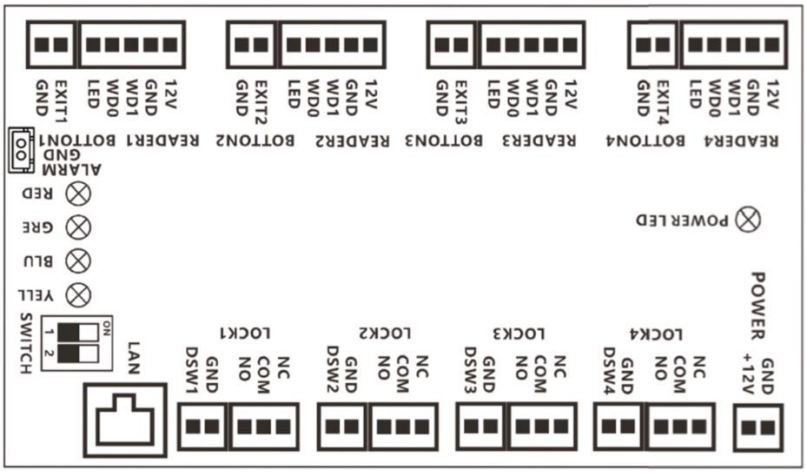


1. Product Overview

Parameter:

Working voltage	DC12V±10%
Swipe distance	0-4CM
Working curent	100MA~500MA
Card reading type	IC card
Working mode	networked, offine multi-mode selectable Card
issuing mode	management platform card issuing
Working temperature	-20℃~-70℃
Card capacity	40000pcs
Relative humidity	20%~93%
Open mode	swipe card, APP, remote,password (optional)
size	control box:273 *232*67mm reading head :86 *86*8mm
Installation method	Control box: hanging installation reading head :86 boxembedded installation. 86 box requires a depth of 5OMM inside

2. Controller interface description

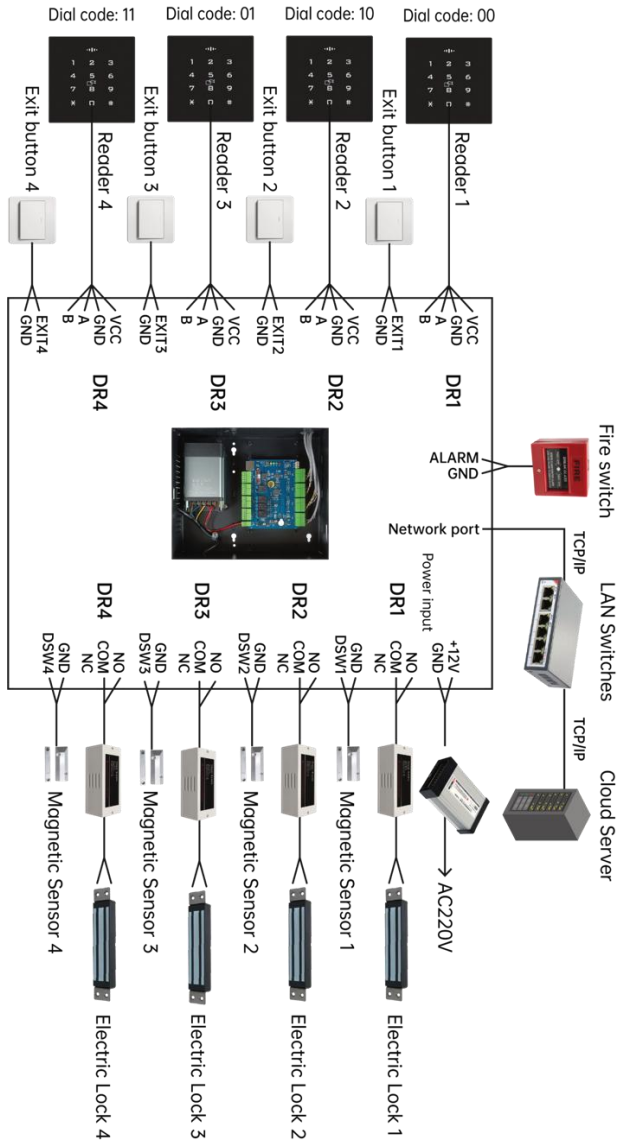


Interface description:

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	

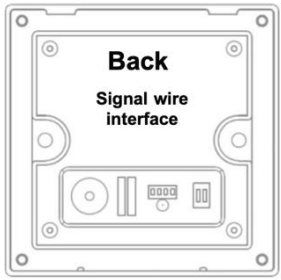
				closed terminal	
LED	Indicator Synchronization signal				
EXITx	Exit button signal	Total of 4 signals for 4 gates	DSWx	Door magnetic detection signal	Total of 4 signals for 4 gates
GND	Go out button ground		GND	Magnetic door detection ground	
SW1 dip switch: (dip code does not dial means 0, dip code dial to ON means 1) 00: TCP/IP LAN networking 01: Offline					

3. System wiring references

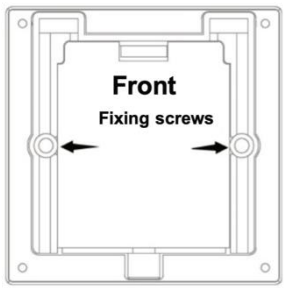


4. Wiegand Reader Installation diagram

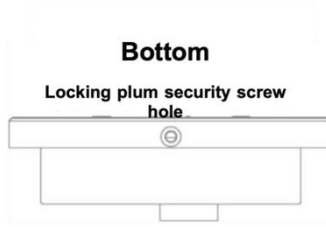
① Connect the signal line in the back of the read head device as shown in the figure below.



② Install the reading head device into the 86 box, (note that you need to use the embedded wall inside the depth of 50MM style 86 box$, lock the screws to fix, as shown in the figure below.

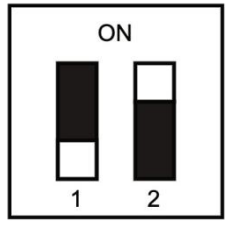
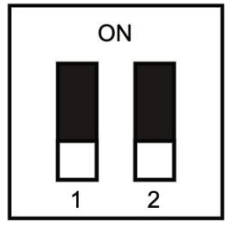


③ Read the head panel and read the head body snap together, first from the upper snap down and then press thelower and bottom screw hole alignment; finally in the bottomof the anti–theft screw hole screwed on the countersunk head machine wire within the plum security screws fixed,as shown in the figure below.



5. Multi-door Controll Function Description

Operating mode selection

Switch Setting	Indicates
 01	Offline working
 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.

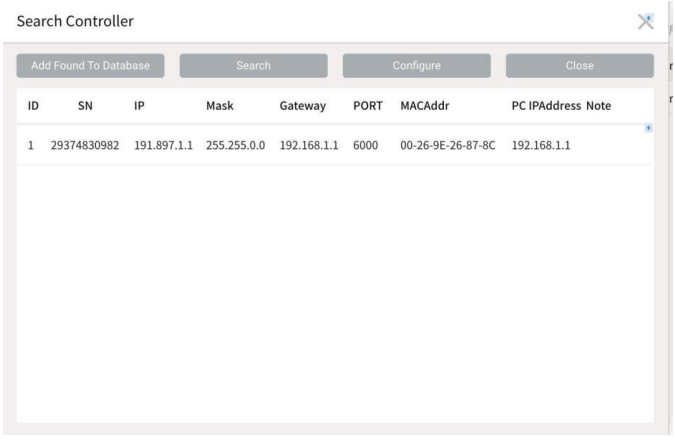
Unlock method:

The device can be unlocked by swipe card, remote APP, out door button, management center platform remote, cloud server platform remote, password (optional), and many other ways.

6. Multi-door Controll Configuration

Management Center Add Controller

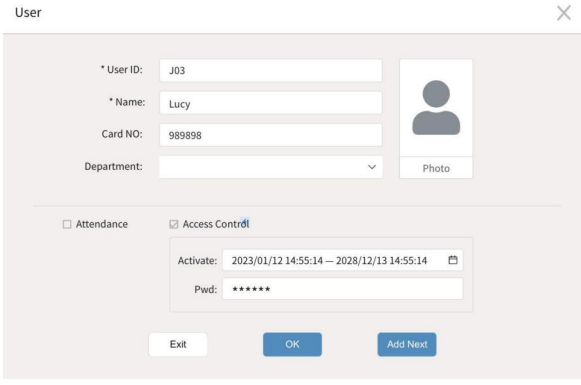
Connect the controller to the PC with a network cable, open the controller management software, and click Add Controller by Search. At this time, the management software can automatically search for the multi–door controllers connected to the LAN and assign them to the corresponding IP. Then configure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



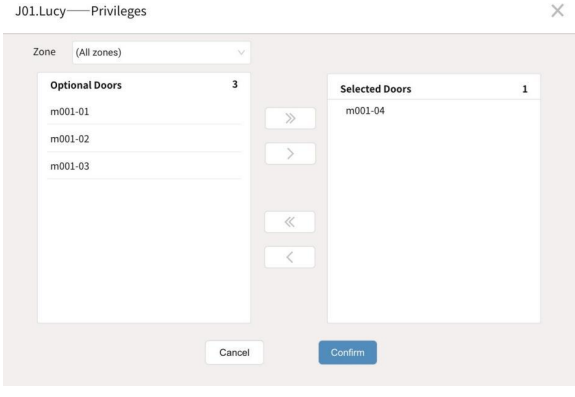
Add user and configure his permissions

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:



Configuration Permissions:

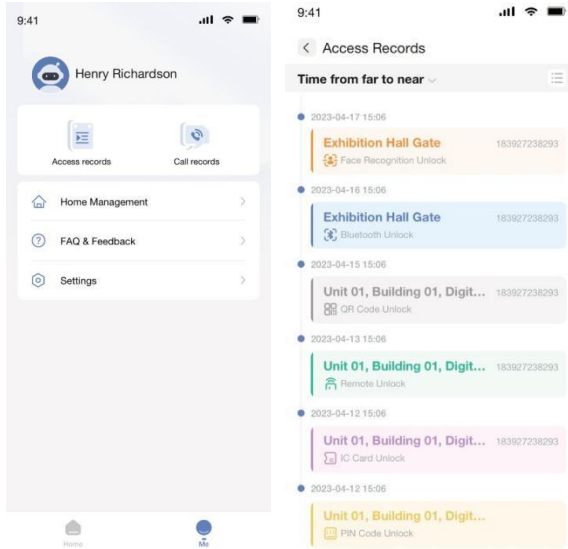


7. Remote control controller

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: