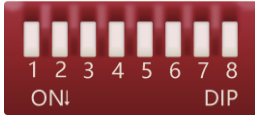# AMT 1D, 2D & 4D Controller
AMT Fingerprint & Card Access Control Panel User Guide

Note: The fingerprint & card Access Control panel can connect our company fingerprint or normal wiegand RFID reader.

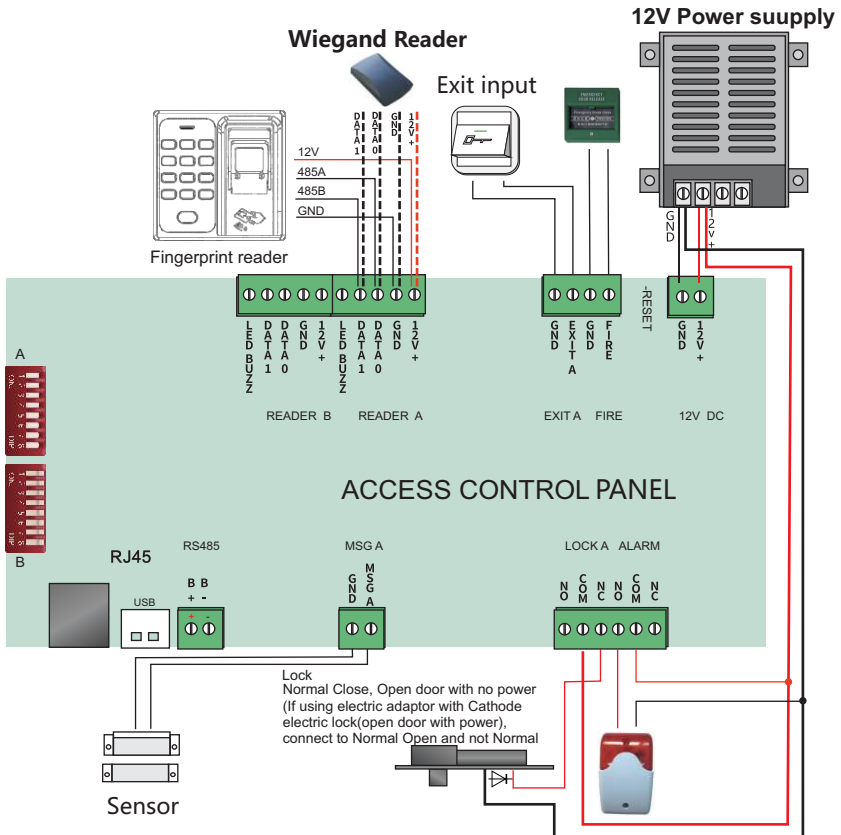**(1) If connect fingerprint reader: Dial switch 1~8 to ON, and Dial switch B switch 1~8 to OFF**

A

B

(2) If connect normal wiegand RFID reader: Dial switch A switch 1~8 to OFF ,and Dial switch B switch 1~8 to ON
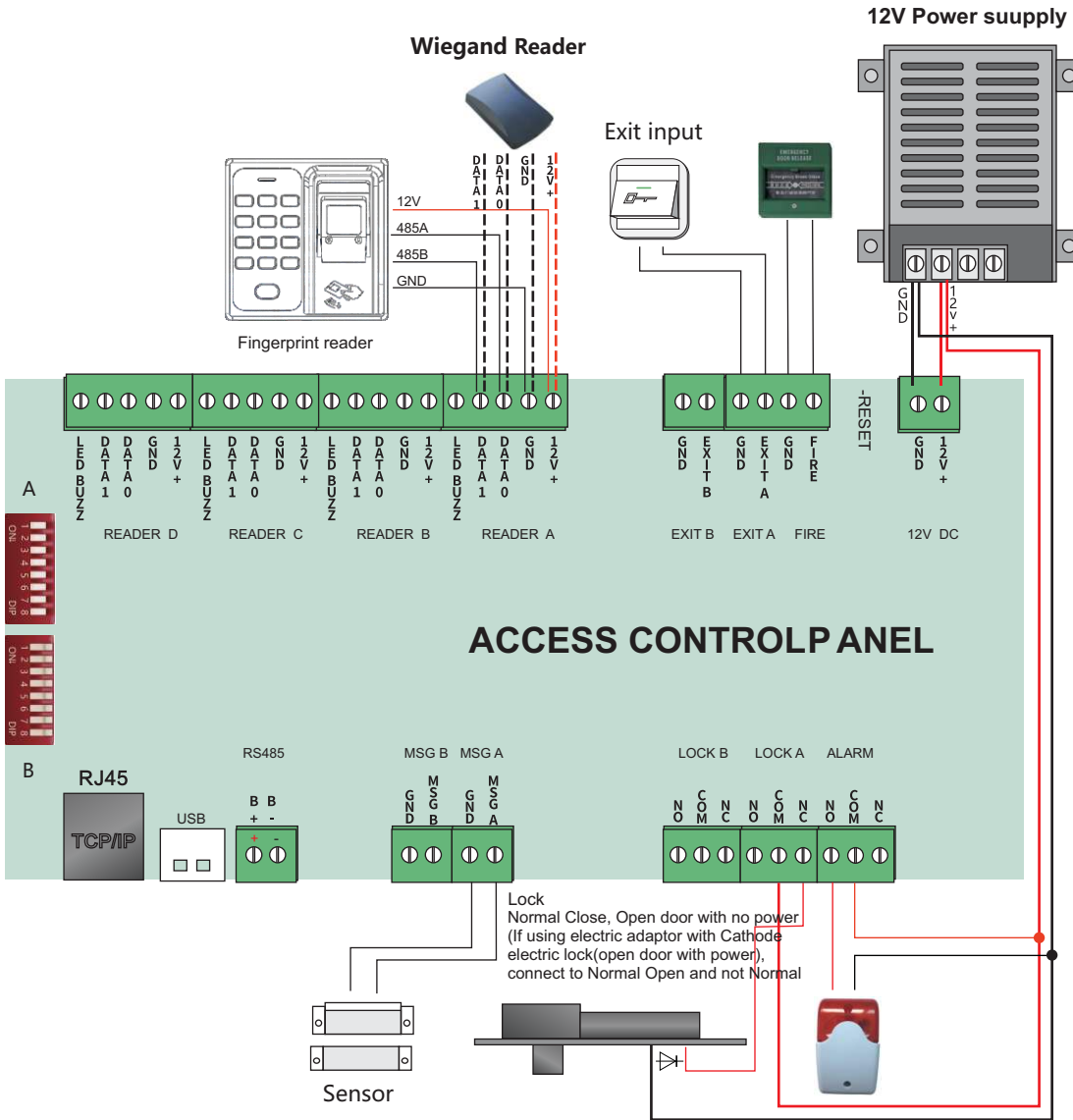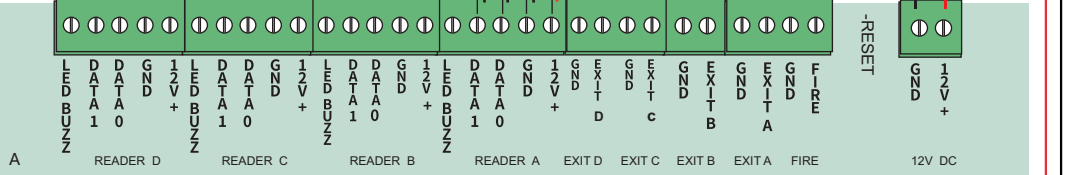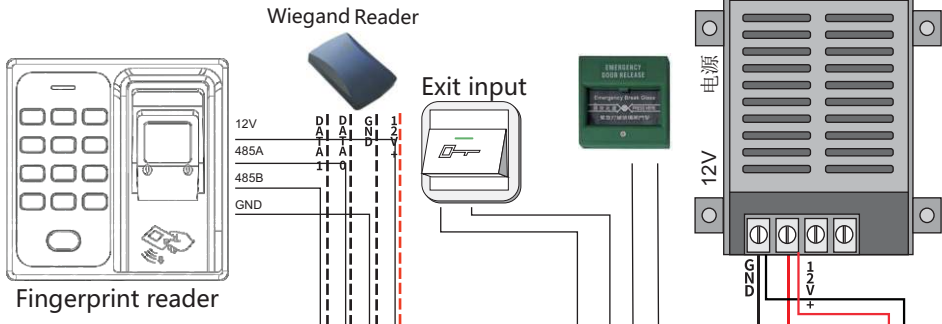

A

B

Single-Door Two-Way Wiring Diagram

AMT 1D, 2D & 4D Controller

12V Power suupply

Wiegand Reader

Exit input

12V
485A
485B
GND

Fingerprint reader

DATA1 DATA0 GND 12V+

GND 12V+

READER D — LED BUZZ | DATA1 | DATA0 | GND | 12V+

READER C — LED BUZZ | DATA1 | DATA0 | GND | 12V+

READER B — LED BUZZ | DATA1 | DATA0 | GND | 12V+

READER A — LED BUZZ | DATA1 | DATA0 | GND | 12V+

EXIT B — GND | EXIT B
EXIT A — GND | EXIT A
FIRE — GND | FIRE
-RESET

12V DC — GND | 12V+

A

B

ACCESS CONTROL PANEL

RJ45 — TCP/IP

USB

RS485 — B+ B-

MSG B — GND | MSG B
MSG A — GND | MSG A

LOCK B — NO | COM | NC
LOCK A — NO | COM | NC
ALARM — NO | COM | NC

Lock
Normal Close, Open door with no power
(If using electric adaptor with Cathode
electric lock(open door with power),
connect to Normal Open and not Normal

Sensor

Two-Door Two-Way Wiring Diagram

12V Power supply

Wiegand Reader

Exit input

电源

12V

Fingerprint reader

| 12V | | 485A | | 485B | | GND |

D A T A 1 D A T A 0 G N D 1 2 V +

-RESET

GND 12V+

ACCESS CONTROL PANEL

READER D   READER C   READER B   READER A   EXIT D   EXIT C   EXIT B   EXIT A   FIRE   12V DC

Reader terminals: LED BUZZ | DATA 1 | DATA 0 | GND | 12V+ (repeated for READER D, C, B, A)
EXIT D: GND / EXIT D
EXIT C: GND / EXIT C
EXIT B: GND / EXIT B
EXIT A: GND / EXIT A
FIRE: GND / FIRE
12V DC: GND / 12V+

A

B

Rj45

TCP/IP

USB

RS485   MSG D   MSG C   MSG B   MSG A   LOCK D   LOCK C   LOCK B   LOCK A   ALARM

B+ B- | GND / MSG D | GND / MSG C | GND / MSG B | GND / MSG A | NO COM NC | NO COM NC | NO COM NC | NO COM NC | NO COM NC

Lock
Normal Close, Open door with no power
(If using electric adaptor with Cathode
electric lock(open door with power),
connect to Normal Open and not Normal
Close)

Sensor

Alarm

Four-Door Single-Way Wiring Diagram

User Guide

Ⅰ: Fingerprint Collection

1: Connect the USB fingerprint reader into a computer with access control software installed. Run the access control software to collect fingerprint.

Ⅱ: Setup of the device number , the IP address or the server IP address and the port number of the controller

1: Run the program netconfig.exe.It is in company with the package of the controller. Then, use USB cable

or TCP/IP or RS485 to connect the controller. (The default setting of the controller is device number of 1, IP
address of 192.168.1.224 and port number of 5005).

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AMT 1D, 2D & 4D Controller

2: Click the button ⬚ Read set < Read set> to get the configuration of the controller board.

3: Input the device number, IP address, server IP address and port number. Then click the button ⬚ Write set <Write set>

Ⅲ：Door not opened by pressing fingerprint or swipping card

1: Check whether the enrolled fingerprint or card have been uploaded to the controller through the Access control system? Check whether the FINGER light turning on when pressing a valid fingerprint or swiping a valid card. On the contrary, will the ERR light turning on when we press an invalid fingerprint or swipe an invalid card.

2：Check whether the person who press fingerprint or swipe card has rights of opening door. Besides, is this rights being uploaded to the controller.

3: When pressing fingerprint or swiping card, listen to the pulse sound of the relay. Besides, we could check whether the yellow light near the relay turning on. If the yellow light is on while there is no sound of pulse in the relay, please check whether the voltage is too low.

IV: TCP/IP fail to connect

1：Check whether the network cable is broken or the RJ45 jacket is not good. If the metal plate of RJ45 jacket could not contact the wire well, the connection will be lost.

2：Check whether the IP address and the device number are input correctly.

V: Restore to factory default. (It will not affect the enrolled fingerprint and card information in the controller nor the rights of opening door)

1: When the controller is power on, press the button <RESET>. Then, the argument in the controller will be restored to the factory default value(The factory default setting is device number of 1, IP address of 192.168.1.224 and port number of 5005. (It will not affect the enrollment fingerprint and card information in the controller nor the rights of opening door).