Anson®
Access Control Systems

Readers

User Manual

ASR-2600 Series

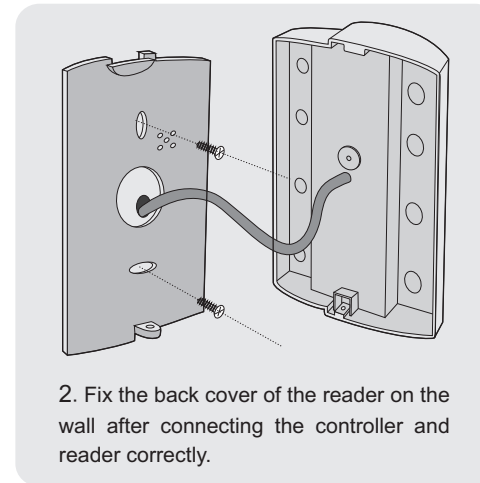Read the manual before usage and keep for future reference.

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1. Installation Procedure

Note: The reader shown below maybe is different from the model purchased since only one type of reader is demonstrated here. However, the general installation procedure is similar.

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2610
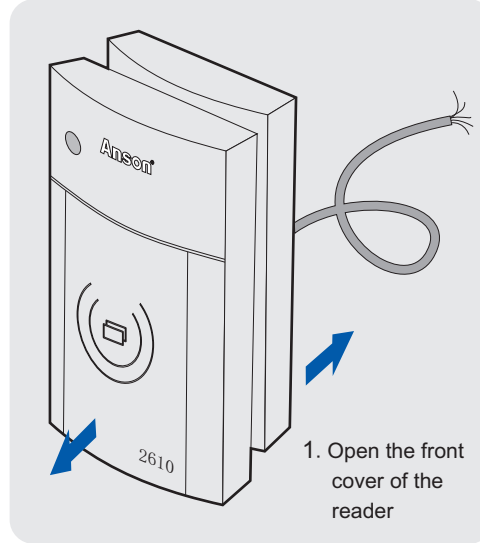
1. Open the front cover of the reader

2. Fix the back cover of the reader on the wall after connecting the controller and reader correctly.

3. Fix the reader against the back cover. For some models, fasten the screw on the back cover.

2.Environment Parameters

NO.	Items	Technical Parameters
1	Working Voltage	DC9V~15V
2	Working Current	D≤150mA
3	Working Temperature	0℃~55℃
4	Storage Temperature	-20℃~55℃
5	Working Humidity	40%~90%RH
6	Storage Humidity	20%~90%RH
7	Working Pressure	86kPa~106kPa
8	Storage Pressure	86kPa~106kPa

3.Reader Parameters

Reader Radio Frequency: 125KHz/13.56MHz

Card Identification Mode:EM card/ MF card

Sensing Distance:

　　EM card 5-15 cm,

　　MF card 2-10 cm

Reader Data Output: Wiegand26

Reading Speed: ≤0.1s

4.Wiring Nomination

Wire No.	Color	Function
1	Red	DC9V~15V
2	Black	GND
3	Green	DATA0(DATA/R+)
4	White	DATA1(CLK/R-)
5	Brown	HOLD
6	Grey	BUZZER
7	Blue	LED

5.Instructions for Keypad

5.1 Not all readers are facilitated with keypad. The reader models facilitated with keypad support 6-digit password.

5.2 The reader will transform 6-digit password into Wiegand 26 format and send the data to controller.

5.3 The user should input the 2nd digit within 2s after inputting the 1st digit, otherwise the 1st digit will be deleted automatically and the user has to input the password again.

5.4 If wrong number is input, the user can press the ESC key and re-input the password

6.Notes for Installation

6.1 8-core twisted pair copper wire (diameter≥0.3 cm) is used to connect the controller and reader. Network wire can also be employed.

6.2 The reader is normally installed at the right side of the door (outside), with 1.4 m from the floor and 3-5 cm from the door frame, while the exit button inside with 1.4 m from the floor.

6.3 The reader should not be installed against metal surface. In case this can not be avoided, either all the metal surface should be removed with only the fixing area remained; or an isolation material thicker than 10 cm or more should be placed between the reader and the metal surface.

6.4 The connection between reader and controller should be as shorter as possible since signal attenuation increases along with the length of the connection wire.

6.5 The red wire and black wire of the reader are connected to the positive and negative poles of the power respectively. Wrong connection or connection with excess voltage or current may damage the reader.

7.FAQ

What should I do:

7.1 When the data in the controller are incorrect or unstable during real-time monitoring?

◇Check whether the data transmission connections at DATA0 and DATA1 are correct.

◇Check whether the distance between the controller and reader is longer than 60 meters (Wiegand 26). If so, shorten the distance between controller and reader or provide on-site power supply for the reader.

7.2 When the communication between computer and controller fails?

◇Check whether the power supply of controller is ok.

◇Check whether the transmission interface ◇Check whether the controller jumper setup is consistent with the practical communication mode.

◇Check whether the connection wire itself is ok.

7.3 When the electric lock fails to function?

◇Check whether the connections of reader, exit button and electric lock are correct.

◇Check the output of the relay. If there is output from the relay, then check the electric lock and its wiring; if there is no output from the relay, then check the reader and its wiring and also check the setup authentication is correct or not.

7.4 When the door can not be opened by reading the card after the power supply recovered?

◇Check whether the button battery on the control board is out of power.

◇Check whether the storage time of controller is different from that of the computer.

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