Access Control Card Reader User's Manual

V1.0.0

Table of Contents

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

● Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.

● Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.

● Do not expose the device to humid environment. Otherwise it may cause fire.

● The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.

● Do not place the device on carpet or quilt.

● Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.

● Do not place any object on the device.

● Do not disassemble the device without professional instruction.

Warning:

● Please use battery properly to avoid fire, explosion and other dangers.

● Please replace used battery with battery of the same type.

● Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

● This manual is for reference only.

● All the designs and software here are subject to change without prior written notice.

● All trademarks and registered trademarks are the properties of their respective owners.

● If there is any uncertainty or controversy, please refer to the final explanation of us.

● Please visit our website for more information.

1 Overview

The Access Control Card Reader is a card reader and also a complement to video monitoring and visual talk. Its appearance is neat and fashionable, and its function is enhanced. It is designed for commercial building, corporation property and intelligent community.

It has:
- 13.56 MHz non-touch card reader (read-only) adopts card, card+password methods with keyboard. Each time user press key, there will be beep.
- Standard Wiegand output or RS485 output.
- Card reading distance 1cm~5cm, corresponding card swiping time <0.1s.
- Watch dog.
- Lighting-proof, static-free and short circuit-proof.
- Beeper and indicator.

2 Device Structure

2.1 Appearance

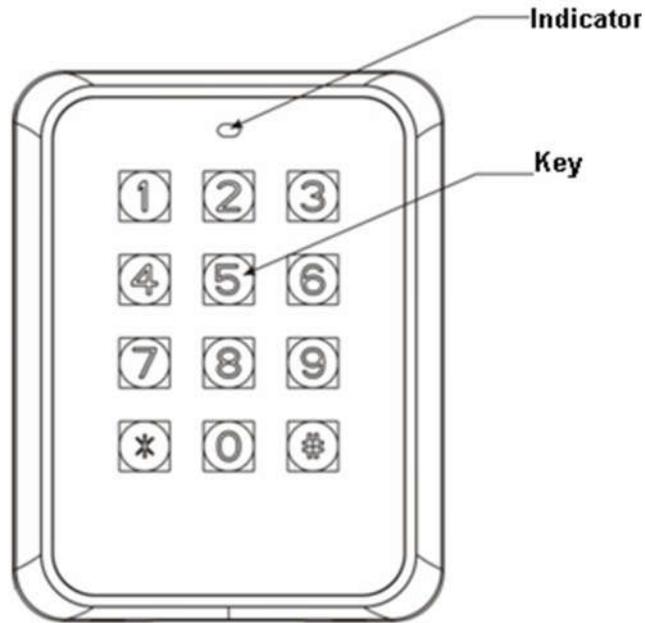The device appearance is shown in Figure 2- 1 and Figure 2- 2.
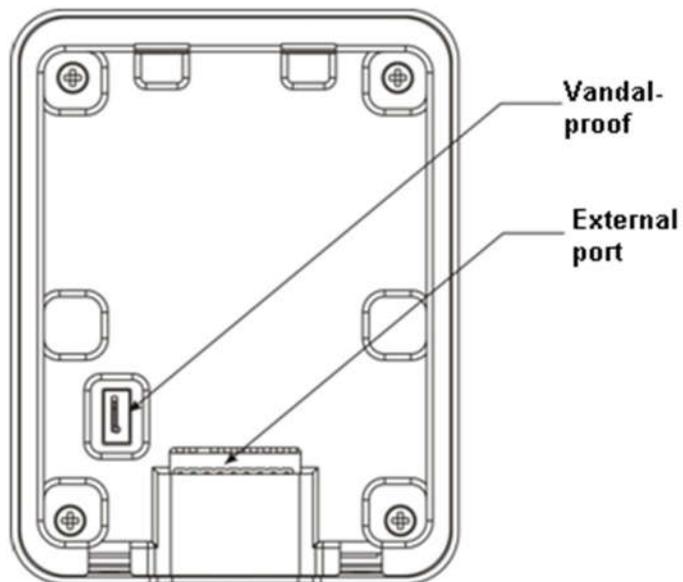

Figure 2- 1

Figure 2- 2

The corresponding ports of the external port are listed in Chart 2- 1.

Color of Wire	Wiring Port	Note
Red	12V power	Card reader power
Black	GND	
Blue	CASE	Weigand card reader
White	D1	
Green	D0	
Brown	LED	
Yellow	RS485-	RS485 card reader
Purple	RS485+	

Chart 2- 1

2.2 Dimension

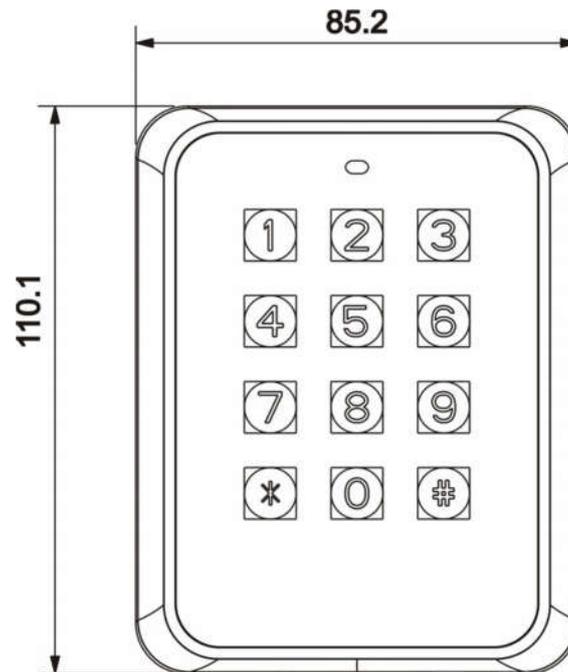Card reader's dimension is shown in Figure 2- 3, Figure 2- 4, and Figure 2- 5 and. Unit is mm.
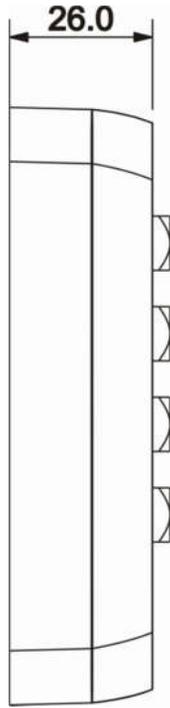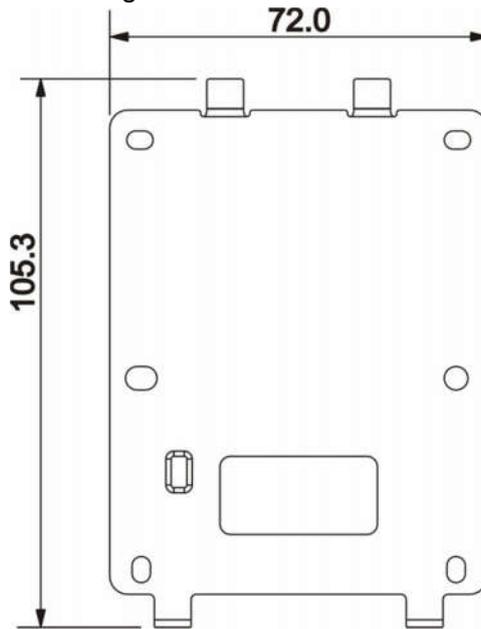

Figure 2- 3 Dimension 1

Figure 2- 4 Dimension 2

Figure 2- 5 Dimension 3

3 Device Installation

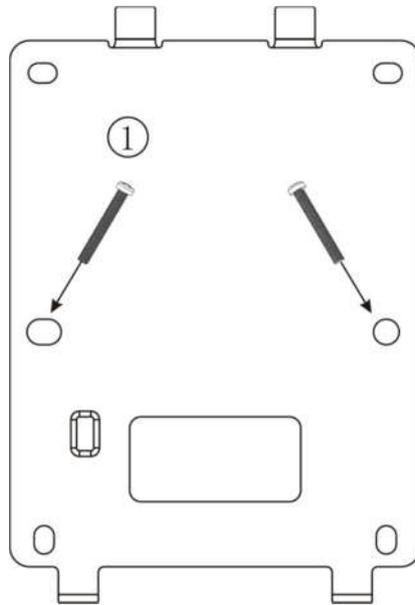Card reader installation illustration is shown in Figure 3- 1 and Figure 3- 2.
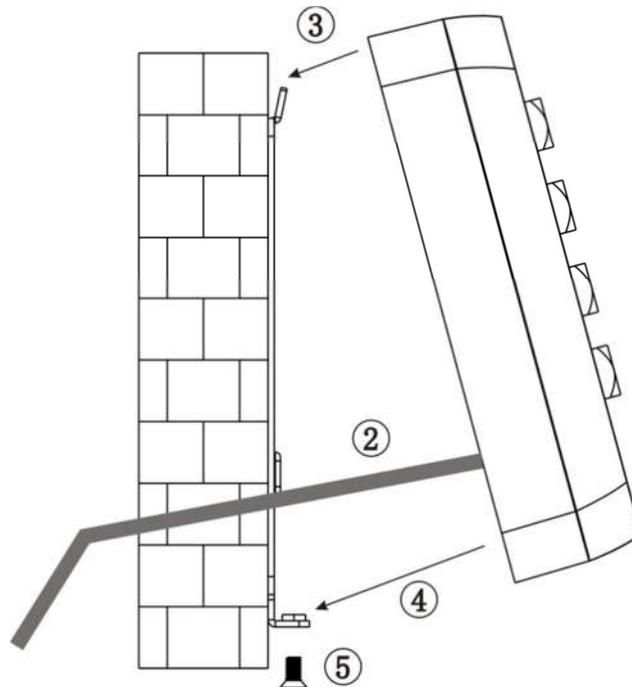

Figure 3- 1

Figure 3- 2

Installation steps:
Step 1.   Fix installation board on wall or other location.

Step 2. Connect device, and connect each wiring port.
Step 3. Make device top face the slot on installation board.
Step 4. Joint device and installation bracket.
Step 5. Use screw to secure them from bottom up.

4 System Framework

Access control card reader and access control host, alarm device, master PC and etc. are connected as in Figure 4- 1.
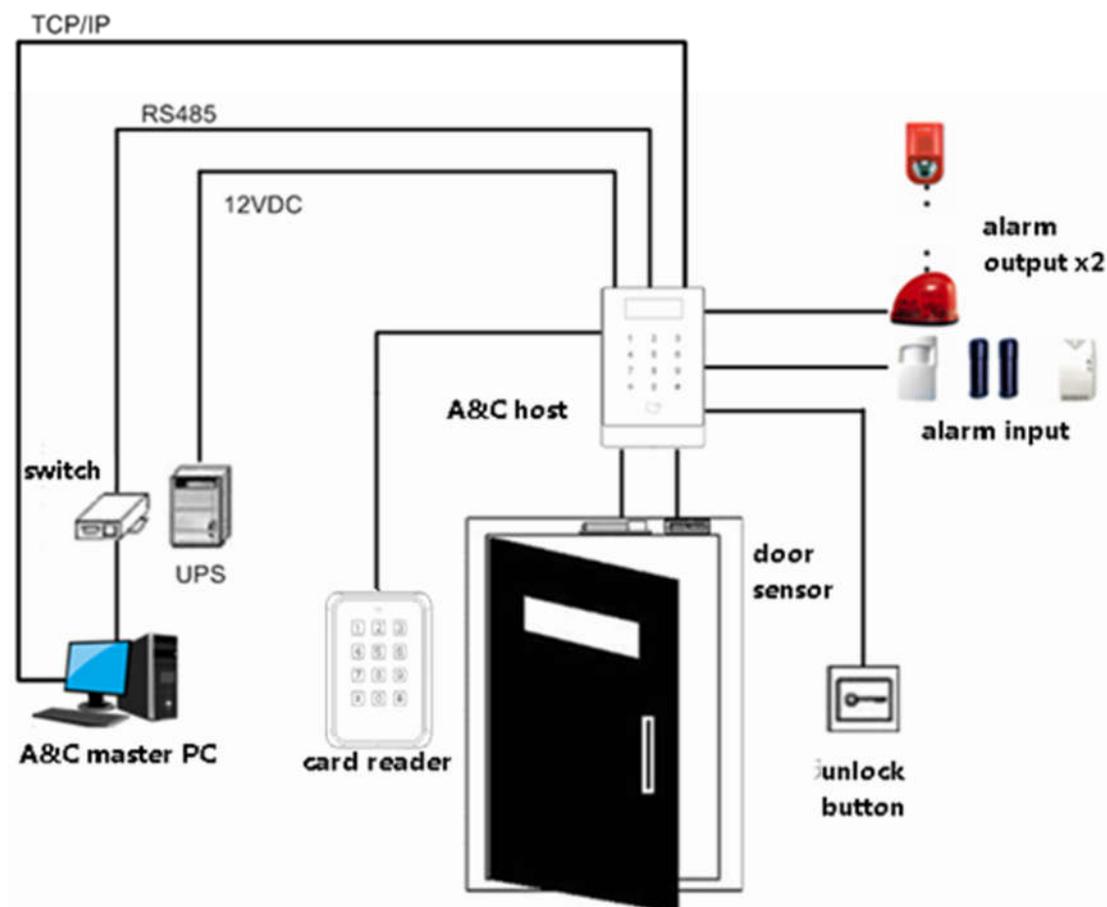

Figure 4- 1

Note:
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