**Access Control Card Reader User’s Manual**

**V1.2.0**

Table of Contents

[1 Overview 1](#_Toc413053102)

[2 Device Structure 2](#_Toc413053103)

[2.1 Appearance 2](#_Toc413053104)

[2.2 Dimension 3](#_Toc413053105)

[3 Device Installation 6](#_Toc413053106)

[4 System Framework 8](#_Toc413053107)

**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**

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# 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 5cm~8cm, 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

Card reader includes number and non-number key and device appearance is shown in , , and .

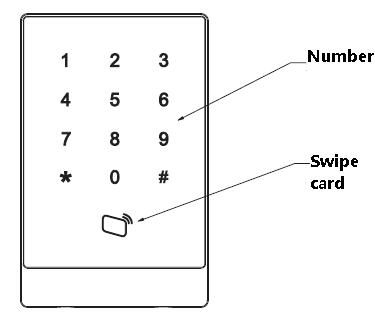


Figure 2- 1 With number key

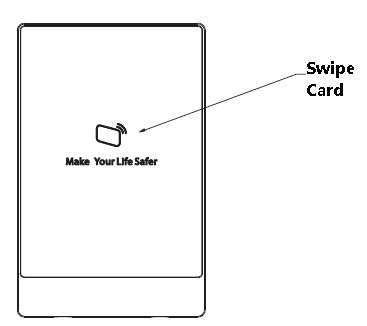


Figure 2- 2 Without number key

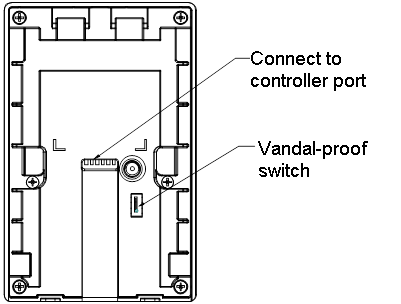


Figure 2- 3 Device appearance

| 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-

## 2.2 Dimension

Card reader’s dimension is shown in , , and . Unit is mm.

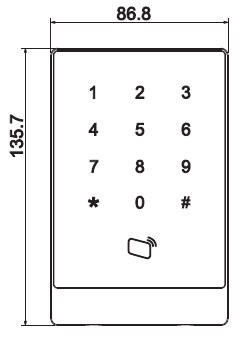


Figure 2- With number key

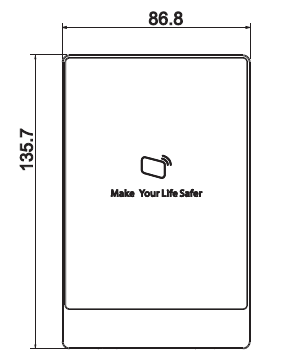


Figure 2- Without number key



Figure 2- Dimension 3



Figure 2- Dimension 4

# 3 Device Installation

Card reader installation illustration is shown in and .

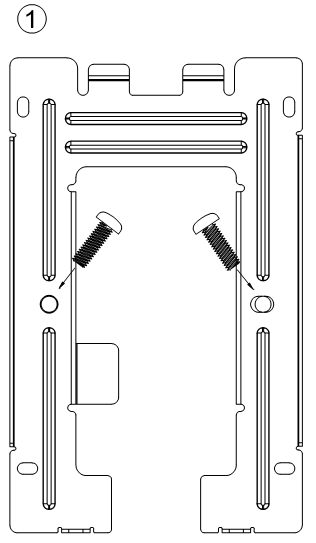


Figure 3-

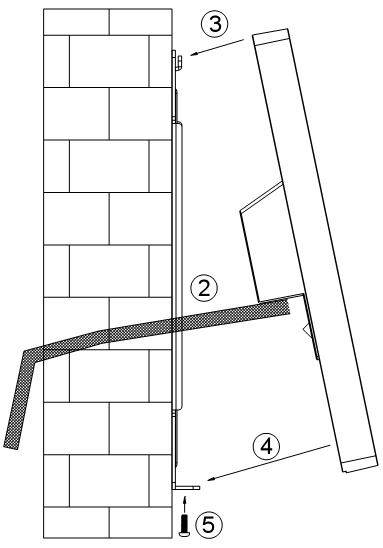
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Figure 3-

Installation steps:

1. Fix installation board on wall or other location.
2. Connect device, and connect each wiring port.
3. Make device top face the slot on installation board.
4. Joint device and installation bracket.
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 .

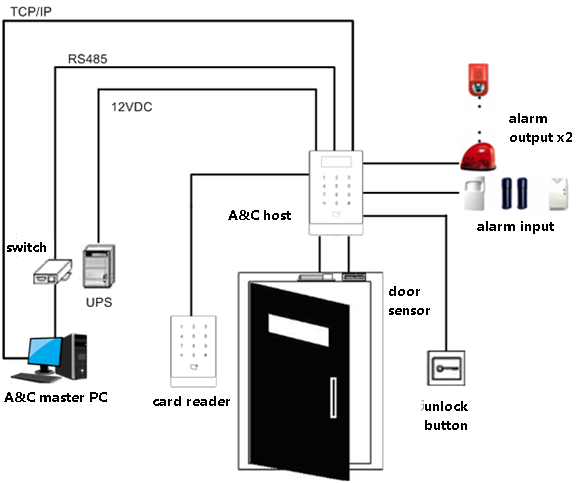


Figure 4-

**Note:**

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