H Series Access Control Card Reader User Manual_V1.0
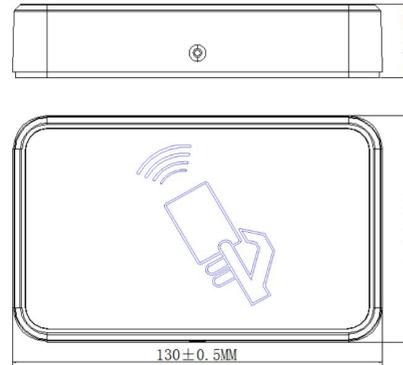
H-CR02

● Function Overview

Based on the TCP/IP transmission protocol, Access Control Card Reader is one of the main device of the digital building intercom system. It supports unlock with both IC and ID card.

● Functions and Characteristics

➢ **Support 24V non-standard PoE power supply or independent 24V power supply**

➢ **Support exit button and tamper alarm**

➢ **Support door status detection and timeout alarm**

➢ **Support IC and ID card**

➢ **Adjustable unlock time**

➢ **Support max 10,000 resident cards**

➢ **Support disconnection alarm**

● Product Dimension and Specification Parameters
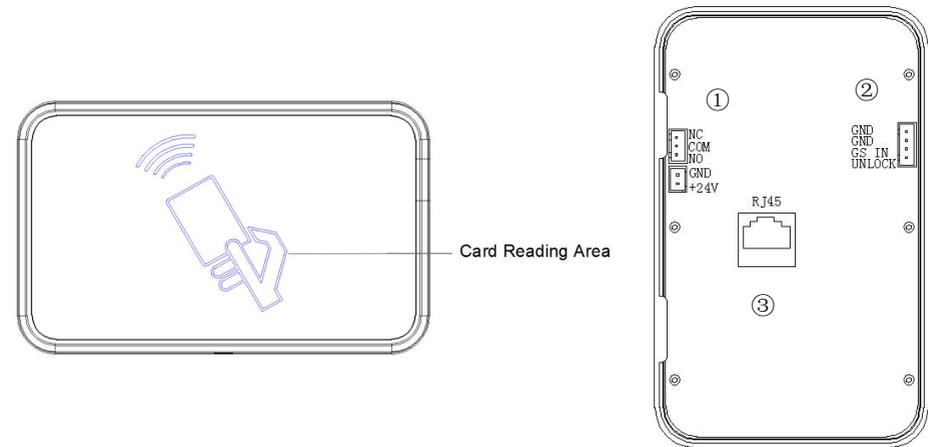

Working Voltage: DC 24V

Static Current: ≤ 60 mA

Working Current: ≤ 100 mA

Dimension(L×W×D):130×80×26 mm
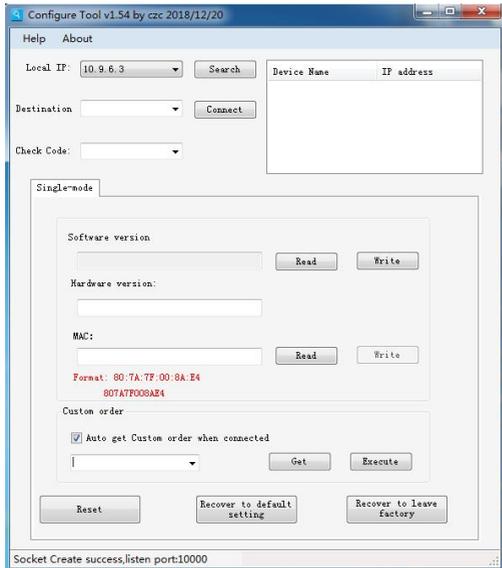Environment Temperature: -20℃ ～ +55℃

● Product Appearance

Interface Description:

① +24V, GND: power input; NO: normally-open; COM: common, NC: normally-closed;

② UNLOCK, GND: external button unlock; GS IN, GND: door status;

③ RJ45 network interface: support 24V non-standard PoE power supply

● Configuration

With the custom order function of GVS Configuration Tool, user can configure the device as Unit or Network card reader, meanwhile Building No., Unit No., Device No. and unlock time (1~30S)　is adjustable with this tool.

Settings are as below:

1. Set a 10 segment IP address, subnet mask:255.0.0.0, then open the software and select the current IP address as Local IP.

2. Type "H-GVS" or "ALL" in Check Code, click Search button, and the card reader will be shown in the device name with prefix "CR". Choose the card reader and click connect button, then all the following settings can be done with "custom order" option.

ID configuration

While using as **Unit card reader**, choose "ID(xx-xx-xx):" and input the Building No., Unit No. and Device No. behind it. For example: to set as building No.1, unit No.2 and device No.3,

type "1-2-3" behind "ID(xx-xx-xx)", then click execute.

While using as **Network card reader**, choose "ID(01-32):" and input the Device No. behind it, then click execute.

Unlock time setting

Select "Unlock timer(01~30s):", and input new unlock time behind it, range: 1~30s, then click execute button.

Card reader type setting

Select "Type(1-Unit 2-Network):", type "1" for Unit card reader, "2" for Network card reader, then click execute button.

Elevator control setting

Select "Floor NO.(-8~64):", type the floor number behind it, range:-8~64, and click execute button.

Note: After configuring the ID number or device type, the IP address of the device will change, so it is needed to search and connect the device again for further configuration.

● Unlock

1) Unlock By Swiping Card

Swipe the IC or ID card to the card reading area to unlock the door, cards need to be registered by PC Management Center in advance, and one "BEEP" means door opened successfully, two "BEEP" means card is not registered.

3) Unlock By External Button

There is an interface for connecting with the external button, and the resident can unlock the door by pressing the external button

● Unlock Time

The default unlock time is 5S, which can be set by the GVS configuration tool, and the range is 1-30S.

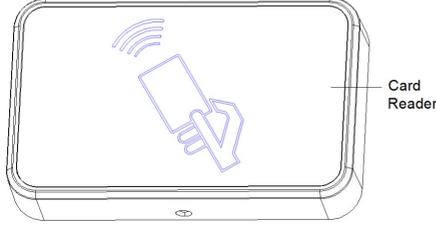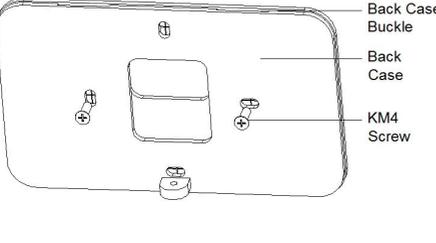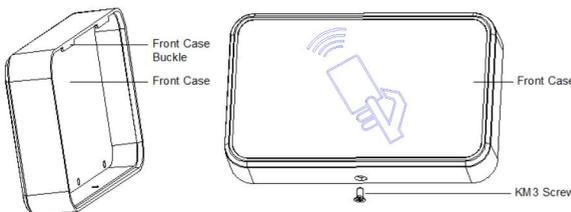## ● Door status detection and timeout alarm

When the door is unlocked over 120S, the device will ring the alarm, and the alarm message will be reported to the guard unit or PC Manager Center; the alarm stops until the door is closed.

● Restore factory settings

Factory reset can be done using the GVS configuration tool.

Note: Restoring the factory settings will clear all the registered cards.

● Installation

Card Reader	Step 1: Take out the card reader from the box and separate the front and back covers.
Back Case Buckle Back Case KM4 Screw	Step 2: Fix the back cover to the mounting box, and fasten the hole in the mounting box with the KM4 screws. Then connect the cables and thread it through the hole in the middle of the back cover.
Front Case Buckle Front Case Front Case KM3 Screw Step 3: Fasten the front cover buckle to the back cover buckle as shown in the picture to fix the front and back cover, and then tighten the KM3 screw into the bottom of the front cover.	

● Caution

1. Please stay away from strong magnetic fields, high temperature and humidity, etc.
2. DO NOT drop the device on the ground or subject it to strong impact.
3. DO NOT wipe the device with a wet cloth or with volatile reagents.
4. DO NOT disassemble the device by yourself.
5. DO NOT expose copper to the terminals to prevent electric shock.
6. The power input and output terminals must not be connected in reverse.
7. Please pay attention to the rain or water.