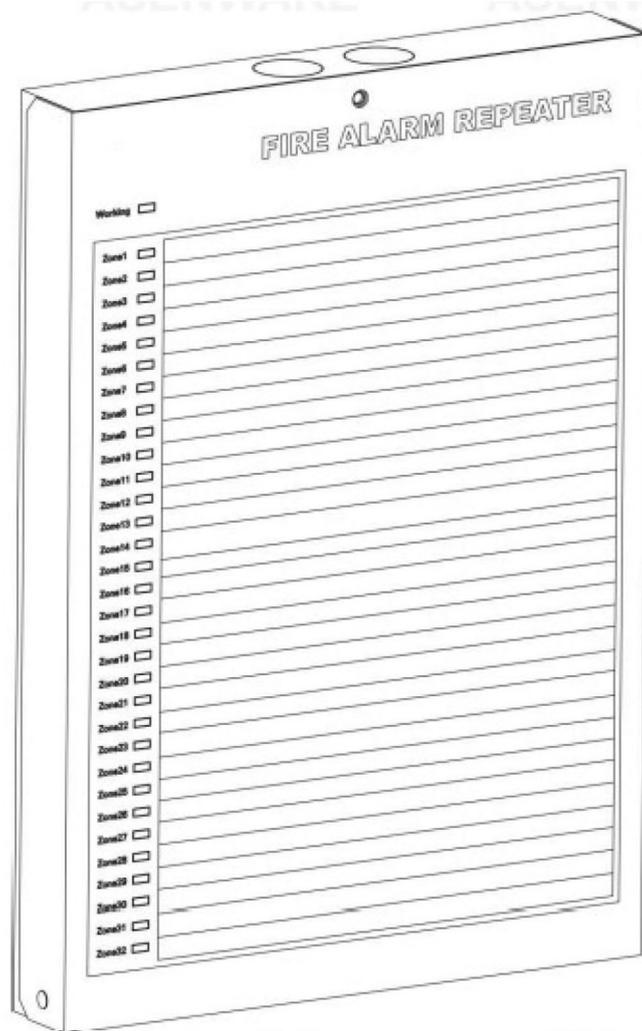




# *Floor Display of Fire Alarm System*

## **CRP2166**

*Installation and operation manual*



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# 1 Product Description

Floor display of fire alarm system is used to easier view the fire alarm condition of each floor and can connect to CRP2166 system.

System framework as follow:

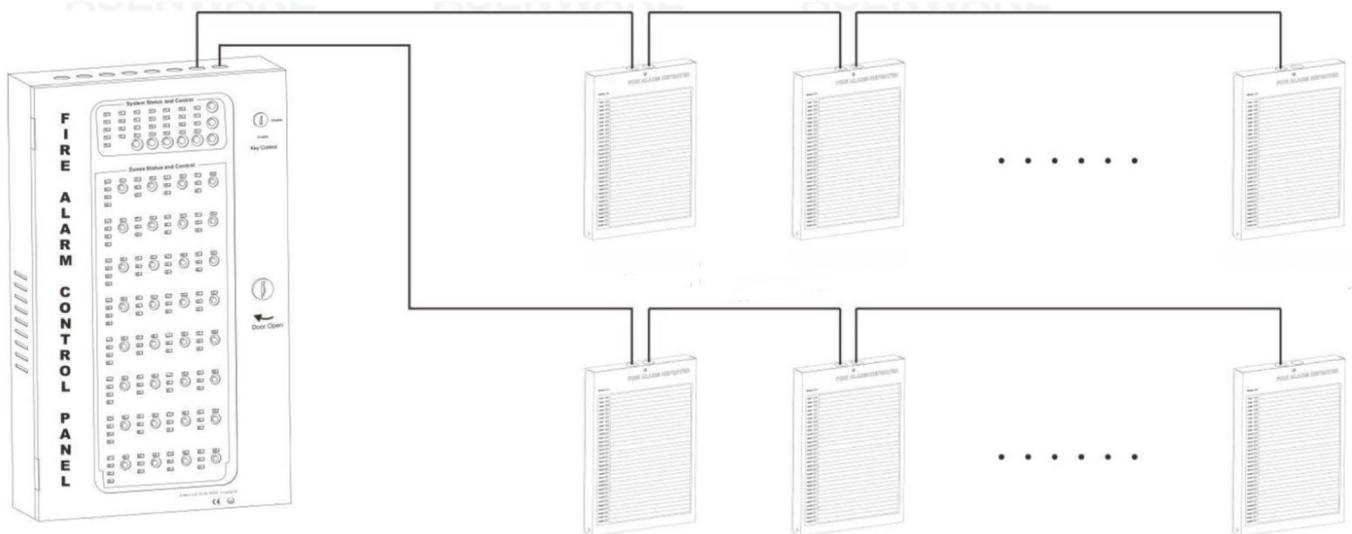


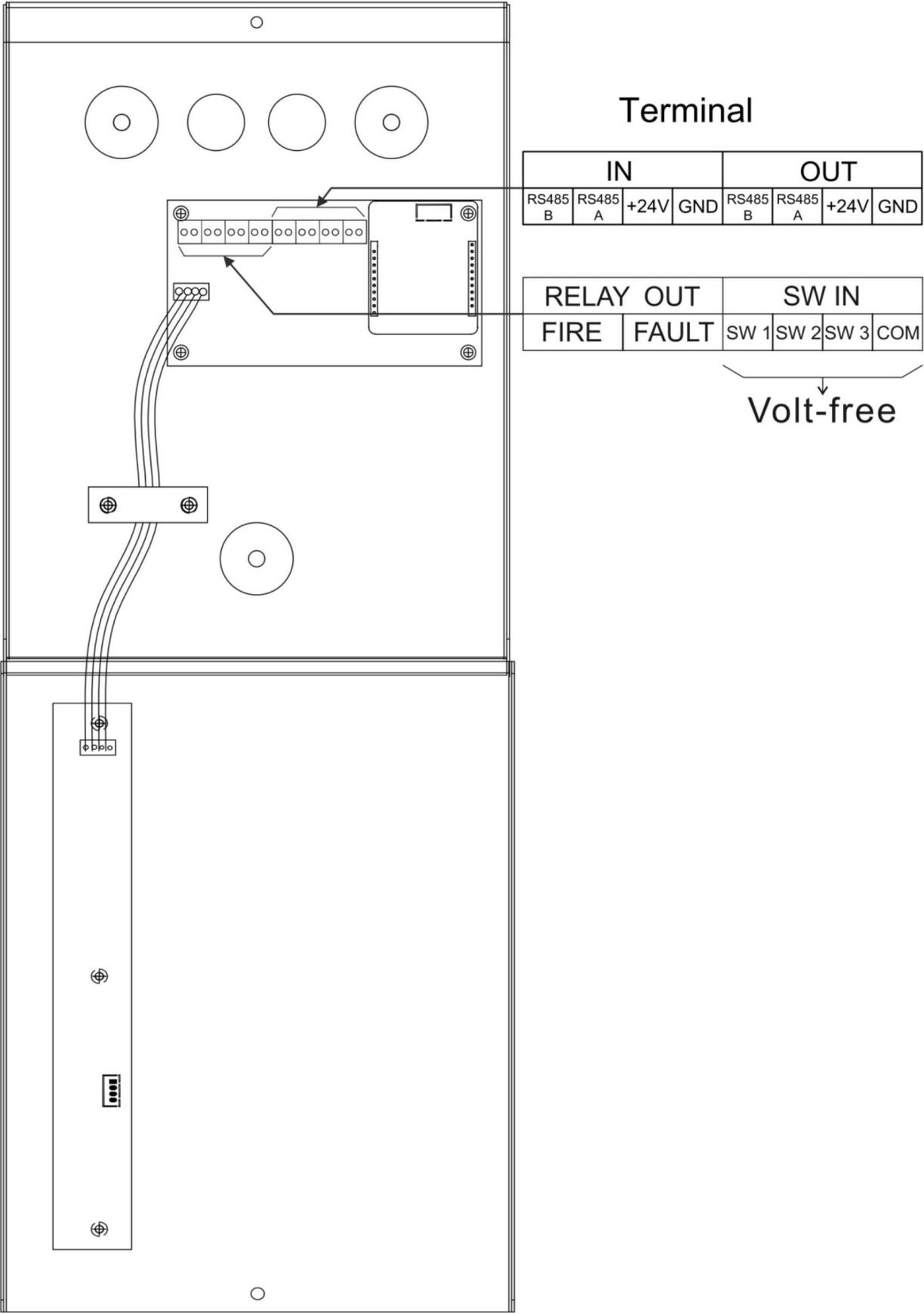
Figure 1

## 1.1 Function Description

CRP2166 floor display of fire alarm has the following features:

- Easy installation;
- Low maintenance cost;
- Connect to CFP2166 control system;
- Up to 32 CRP2166 floor display can connect to each CFP2166 control system;
- Communicate between CFP2166 control system and CRP2166 floor display by RS485;
- CRP2166 floor display can gain power from CFP2166 control system;
- Terminal connection between CRP2166 floor display and CFP2166 control system; (Easy connection)
- GSM module for sending alarm messages to users;
- Data import by USB for GSM module;

# 1.2 Inside View



**Terminal**

IN				OUT			
RS485 B	RS485 A	+24V	GND	RS485 B	RS485 A	+24V	GND

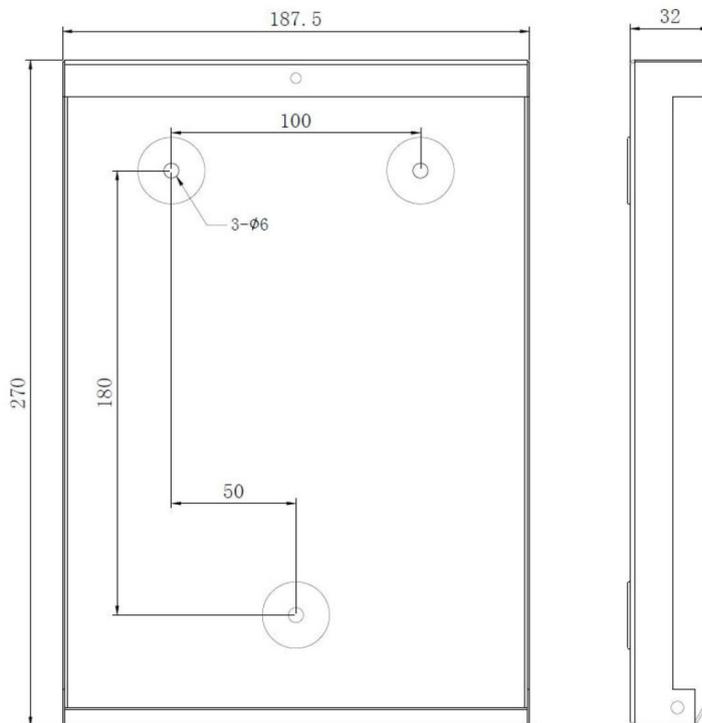
RELAY OUT		SW IN			
FIRE	FAULT	SW 1	SW 2	SW 3	COM

↓  
**Volt-free**

Figure 2 . Partial View of terminal

## 2 Installation

- Fixed the CRP2166 floor display of fire alarm system as follow;



- To connect CRP2166 floor display with CRP2166 control system, please refer to the terminal interface as in **Figure 2** and **Figure 3**. (Suggest wire diameter: 0.5 mm<sup>2</sup>)



To avoid damage to equipment, Please pay attention to “+” and “-“ signal, A and B connection of RS485.

## 3 Electrical parameter

DC input	18~24VDC
Communication method	RS485
Communication baud rate	9600bps
Communication distance	1000 meters
Operation condition	Temperature range: -5 ~ 40°C Humidity range: 5 to 95% RH

**Table 1**

## 4 Instructions

### 4.1 Data Import

This is for first using or need to update data. Proceed as follows:

1. Export data file “*GSM.dat*” by “*Configuration\_Software*”, and put the file into the root directory of the USB flash drive.
2. Insert the USB flash drive into the USB Port on device and wait for the data transfer.
3. When LED1 flashes quickly and LED3 light on, import complete, and then pull out the USB flash drive, LED1 light off, LED3 keep on and the device enters normal operation.

**Notes: USB flash drive must be in *FAT32* or *FAT16* format.**

### 4.2 Messages Sending

When there is a fire or a fault occurs, the messages will be automatically sent to the users. For more details, please check “*Configuration\_Software*”.