Please read this Manual carefully before installing and using the product.

DH2203FZE Fire Telephone

1 Product Overview

DH2203FZE is a two-wire with address fire telephone . The fire telephone adopts non-polarized wiring, built-in microprocessor, and can be used in conjunction with DH2201 series fire telephone host. The address of the fire telephone can be set manually by dialing through the dip switch.You can pick up the phone to call the host, or pick up the phone to talk with the host during a call. The fire telephone and the host can realize the full-duplex call, which is simple and convenient to operate and the call is clear.

2 Product Features

2.1 DIP switch coding, on-site configuration.

2.2 Non-polarized two-wire connection, easy to install and maintain.

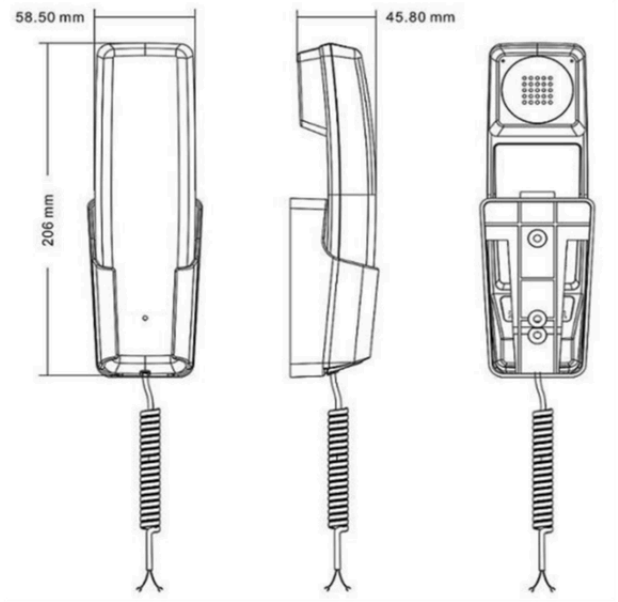
2.3 Full duplex call,simple and convenient operation, clear call.

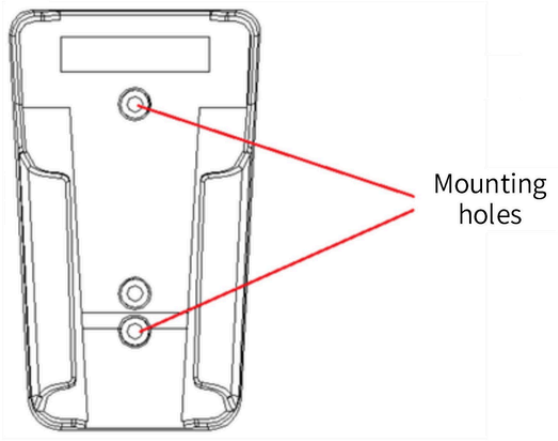
3 Product Technical Parameters

Item	Parameter
Standard	“GB16806”，“GB3380”，“GB/T15279”.
Operating Voltage	DC18V-DC30V (powered by DH2201BKE Fire Telephone host via telephone bus)
Operating Current	Idle state<0.6mA, talk state<15mA
Operating Indicator	• Idle state red indicator lights up once every 5 seconds; • When the highest position of the dip switch is set to “ON” and the spring is pressed, the address setting operation is executed, and the indicator light is always on at this time; • When calling out, calling in and talking, the indicator light flashes 3 times continuously every 2 seconds.
Wiring method	Non-polarized two-wire system (L1,L2)
Coding mode	Field coding by dip switch, address code1~99 is optional.
Dimension	Length 206 mm, width 58.5mm (with base)
Installation height	⩽1.5m
Environment	Indoor, temperature -25°C～+70°C, relative humidity ⩽95% (40°C±2°C without condensation)
Matchinghost	DH2201 series fire telephone host

4 Product appearance and size

Unit: mm

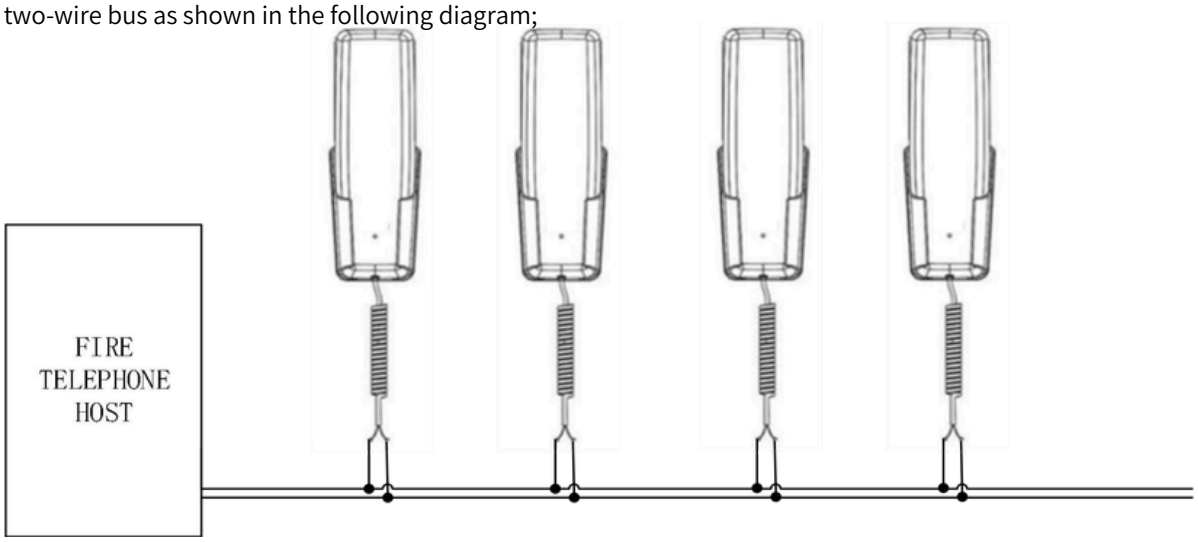




Use the supporting screws to install the base to the appropriate height on the wall.

5 Product use and engineering application

Wiring: The fire telephone is connected to the compatible fire fighting telephone host through the telephone two-wire bus as shown in the following diagram;



6 Installation and Commissioning

6.1 The installation of the fire telephone requires the use of a matching base. Matching base external dimensions o f 111mm × 67mm × 51mm(L × W × H),fixedholediameter Φ4.2mm,fixedholespacingof50mm~60mm.

6.2 Wiring requirements: bus signal line should be used RVS type twisted pair, cross-sectional area ⩾1.5mm2。

6.3 The specific methods of installation and commissioning areas follows

- Confirm that the type of telephone fire telephone matches the type of telephone host;
- According to the construction drawings, use 2 M4 screws to fix the supporting base in the specified position, and confirm that the base has been installed securely;
- Coding the telephone fire telephones through the dial switches of the fire telephones according to the address numbers of the telephone fire telephones marked on the construction drawings;
- Cut off the power supply of the telephone host and connect the telephone fire telephones correctly according to the construction drawings;

- After all products are installed and confirmed to be correct, turn on the power of the telephone host and the telephone fire telephones can work normally;
- The fire telephone calls the host: the fire telephone can call the host by lifting the handset, the red indicator light flashes 3 times every 2 seconds; if the call is successful, there will be a ringback tone prompt, ringback tone 1 second stop 4 seconds, waiting for the host to take off the handset; if the host refuses to pick up the handset, the fire telephone will ring a busy tone;
- The telephone host calls fire telephone: the state of the spring is pressed, the host call fire telephone successfully, the fire telephone ringing tone, ring 1 second stop 4 seconds, at this time, the fire telephone can enter the call off the phone;
- Setting the local address: it can be set directly before power on, after power on, the local machine is in standby state when the spring is pressed down, and the bus is in non-talking state operation is effective. DIP switch “2~8” number for the address bit, “1” for modifying the address bit. Methods: Press the tap spring, dial the dip switch to modify the address “1” bit upward to “ON”, at this time the red indicator light is always on, through the “2 ~ 8” address bit to dial a good address, then the After dialing the address through the “2~8” address bits, turn the “1” bit of the dip switch downward to “OFF”, and the address modification is completed. For example, if you set the address of this machine as fire telephone No.50, “50” is converted from decimal to binary as “0110010”, which is a total of 7 valid addresses, and “0110010” corresponds to the address of the dipswitch from the left to the right. From left to right, “0110010” corresponds to the “2345678” number of the dipswitch, “0” means that the dipswitch is dialed down, “1” means that the dipswitch is dialed up, and “1” of the dipswitch means that the dipswitch is dialed up. The “1” modified address bit of the dip switch is turned upward to “ON” to set the address, and then according to “0110010”, the “2 to 8” bits of the dip switch are turned upward. Then, according to “0110010”, switch the address bits “2to8” ofthedipswitch,andaftertheaddresssettingiscompleted,turnthe “1” bitofthedipswitch downwardto “OFF” tocompletethesetting.

7 Attention

7.1 In the same bus circuit, the fire telephone must not use the same address with other devices to avoid address conflict.

7.2 If abnormal phenomenon is found after power on, the power should be cut off immediately, and the power should be turned on again after troubleshooting.

7.3 Installation and commissioning of the project should be carried out by a professional team, if you encounter equipment failure, please do not disassemble and repair by yourself, please contact the after-sales department of the product.

7.4 This product should be in formed to the personnel in the monitoring room before the maintenance of power failure, which will cause the telephone host to send out fire telephone fault alarms, the system can be normal after the end of the test.

8 Maintenance

8.1 During the warranty period agreed in the contract, if the fire telephone which is normally used according to the specified requirements fails due to the defects of material or manufacturing process, we will be responsible for free repair or replacement. If the telephone fire telephone fails due to human damage, improper use or self-adjustment, alteration or disassembly, it does not belong to the warranty scope, and the company will not be responsible for all the consequences caused by it.

8.2 Our company is responsible for paid maintenance of products not under warranty, if you need to return the product for repair, please contact us. At the same time, we would like to get some important information about the product you want to return for repair, such as the circumstances and possible causes of product failure, so that we can find

the problem in the shortest possible time, and also give us a reference for future product development and improvement.

9 Failure Analysis and Troubleshooting

9.1

Failurephenomenon	Possible cause analysis	Troubleshooting
Indicator light does not light up after power on	Indicator light is broken or internal circuit is damaged	Need to return to the manufacturer for repair
	Poor wiring contact	Check and rewire
fire telephone calls the host, or the host calls the fire telephone, no response from the fire telephone and the host.	Problems with communication circuits	Need to return to the manufacturer for repair
fire telephone calls the host, the host interface shows fire telephone call-in, but there is no ringback tone from the fire telephone.	Problems with the ringback tone generation circuit	Need to return to the manufacturer for repair
	Bad wiring of receiver	Check and rewire
The host calls an fire telephone, the main call is successful on the host interface, but there is no ringing tone at the fire telephone.	Faulty ringer tone generation circuit	Need to return to the manufacturer for repair
The fire telephone can talk to the host, but the call quality is poor.	Problems with the audio circuit	Need to return to the manufacturer for repair

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