



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

DH2205CE Fire Telephone Jack

1 Product Overview

1.1 DH2205CE is a two-wire non-addressable fire telephone jack (hereinafter referred to as jack). The jack is wired in a non-polarized manner and can be used in conjunction with the DH2201BKE fire telephone host. The input of DH2205CE can be connected directly to the DH2201BKE fire telephone bus (e.g., 5.3, more than one fire telephone jack can be connected to the bus), or it also can be connected to the output of the DH2205CZE addressable fire telephone jack (e.g. 5.2, each output of the address jack can be connected to a maximum of 20 non-addressable jack).

1.2 According to the different wiring, the non-addressable jack can be used with the DH2204FZE addressable fire telephone or used with the DH2204FE non-addressable fire telephone (DH2205CZE addressable jack required on the front). The DH2205CE jack and the telephone host can realize the full-duplex call, which is simple and convenient to operate and the call is clear.



2 Product Features

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

2.2 Full-duplex call, simple and convenient operation, clear call.

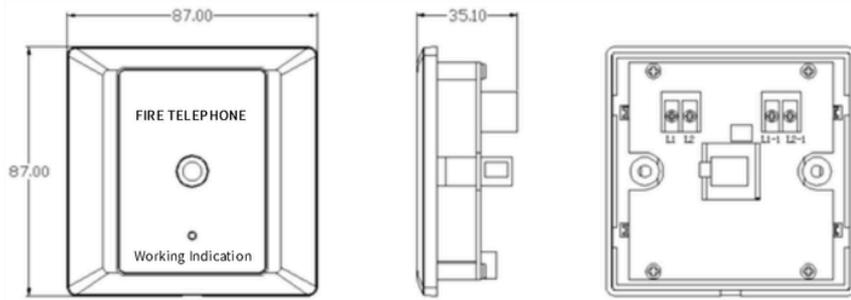
3 Product Technical Parameters

Item	Parameter
Execution standard	GB16806-2006, GB3380, GB/T15279-2002
Working Voltage	DC18V-DC30V
Working current	Monitoring status 15-30uA
Working Indication	Monitor status blinks once in 8 seconds, call status and talk status indicators are different depending on the wiring method.
Wiring method	Non-polarized two-wire system (L1, L2, L1-1, L2-1, where L1 and L1-1 are internally connected together and L2 and L2-1 are internally connected together)
External Dimensions	Length 87mm, width 87 mm, height 35.1mm (without base)/ 39.5mm (with base)
Installation height	≤1.5m
Operating environment	Indoor, temperature -25°C~+70°C, relative humidity ≤95% (40°C±2°C without condensation)
Mating host	DH2201BKE fire telephone host



4 Product appearance and size

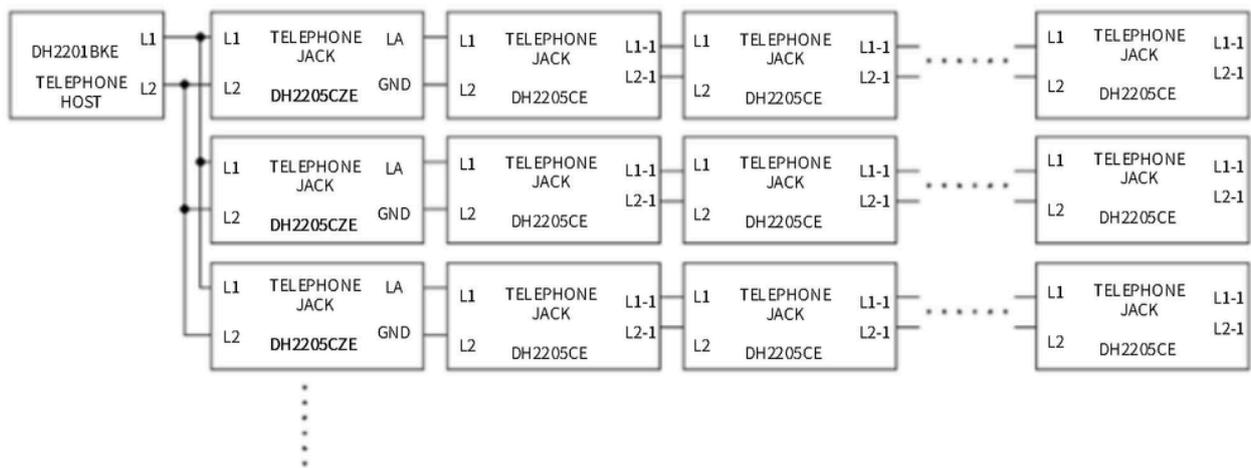
4.1 Unit: mm



5 Product use and engineering application

5.1 The installation of the telephone jack adopts the standard 86-type switch chassis.

5.2 Wiring method 1:



5.3 Wiring method 2:



6 Product installation and commissioning

6.1 The installation of telephone jack requires the use of standard 86-type switch chassis. Wiring requirements: the

6.2 bus signal line should be RVS type twisted-pair wire, cross-sectional area $\geq 1.5\text{mm}^2$. The specific methods of

6.3 installation and commissioning are as follows

- Confirm that the type of telephone jack matches the type of telephone host; According to the construction drawings, the standard 86-type switch bottom shell is fixed in the designated position to confirm that the bottom shell has been installed securely;
- Cut off the power supply of the telephone host and connect the telephone jacks correctly according to the construction drawings;
- When all the products are installed, confirm that there is no error, turn on the power of the telephone host, and the telephone jack can work normally;



- Without address jack normal power, the red indicator light flashes once every 8 seconds, indicating that without address jack works normally;
- Call the host from the non-address jack:
 - a. When using wiring method 1: Insert the phone handle without address to call the host, the host shows the address with address jack when calling;
 - b. When using wiring method 2: Insert the telephone handle with address to call the host, when calling the host displays the address of the telephone handle with address.
- The host may not call a telephone handle with address that does not have an address jack.

7 Precautions

- 7.1** 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.
- 7.2** The installation and commissioning of the project should be carried out by professional team, if you encounter equipment failure, please do not disassemble and repair by yourself, please contact with the after-sales department of the product.

8 Maintenance

- 8.1**  Warning: This product is not allowed to be disassembled or installed with electricity.
- 8.2** Within the warranty period agreed in the contract, if the telephone jacks used normally according to the specified requirements fail due to defects in material or manufacturing process, we will be responsible for free repair or replacement. If the failure of the telephone jack is caused by 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.
- 8.3** We are responsible for paid repairs of products not covered by the 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, but also to give us a reference for future product development and improvement.

9 Failure Analysis and Troubleshooting

9.1

Failure phenomenon	Possible cause analysis	Troubleshooting	Remarks
Indicator light does not light up after power on	Indicator light is broken or internal circuit is damaged	Need to return to the factory for repair	
	Poor wiring contact	Check and rewire	
When the fire telephone is inserted into the jack, the telephone handle pickup lamp does not light up, and the host does not respond.	Poor contact with jack	Repeated unplugging and plugging action	
Call the host from the non-address	The wiring of the inserted telephone handle type jack	Replace the correct telephone handle	



jack, the host interface has a call-in display, but no ringback tone when the telephone is inserted into the ack.	does not match.		
	Poor receiver wiring	Check rewiring	
Call to the host from the jack, host interface alarms bus error	Mismatch between the type of telephone handle inserted and the wiring of the jacks	Replace phone handle with correct one	
The fire telephone can talk to the host, but call quality is poor	Defective audio circuitry	Need to return to the manufacturer for repair	

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