

ZETA FIRE TELEPHONE

FULLY ADDRESSABLE FIRE TELEPHONE SYSTEM



INSTALLATION & USER MANUAL



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1.0 SYSTEM OVERVIEW

The Zeta Fire Telephone system is a fully addressable system which can support up to 70 extension sockets. Each extension socket is given an address, so when a handset is plugged into one of the sockets it will automatically call the main control unit and display the address the call has originated from.

When a call is initiated from the control unit to one of the extensions, it will cause the extension socket LED to flash and the internal sounder to ring. The call is answered as soon as the handset is plugged into the socket.

It is also possible to make and receive calls from more than one extension.

2.0 SYSTEM COMPONENTS



Main System Controller (ZAFT/M)



Addressable extension socket (ZATS/II)



Extension Handset (ZAHS/II)

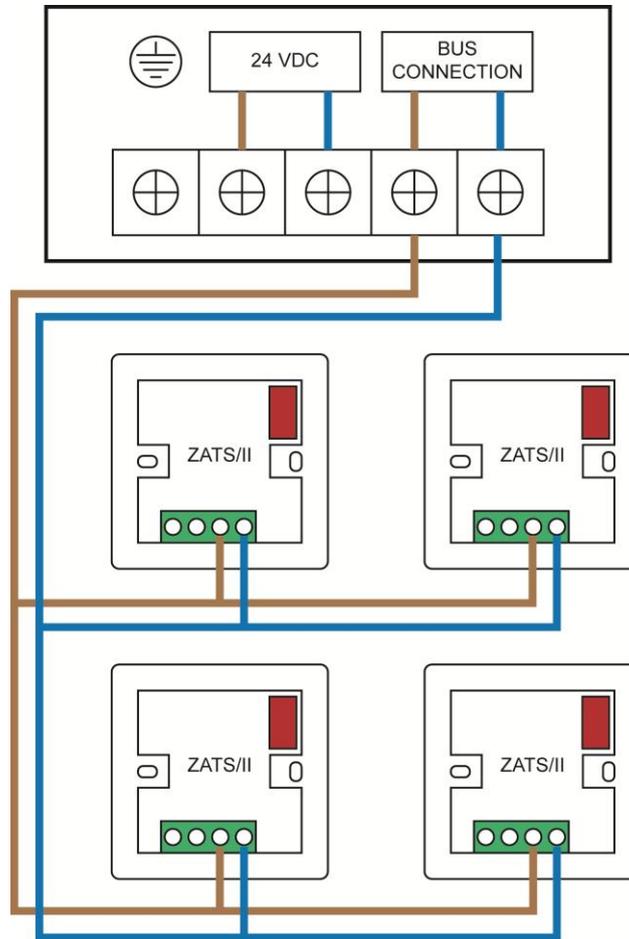


Addressable Handset (ZAT)

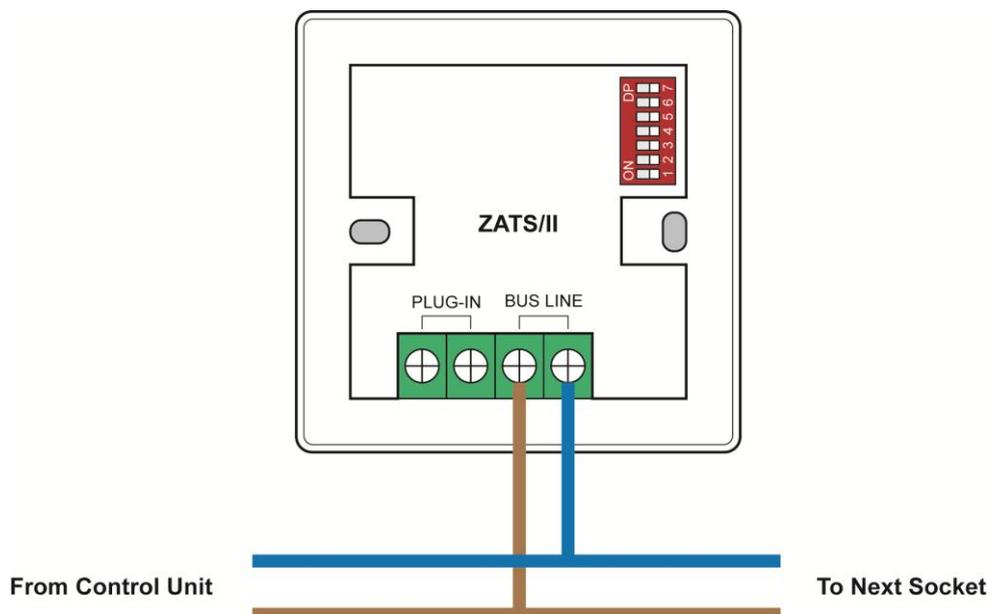
2.1 Connections

The wiring of the BUS is carried out as shown in the diagram below.

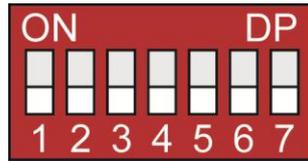
Rear View of control unit showing connections



Socket Connections



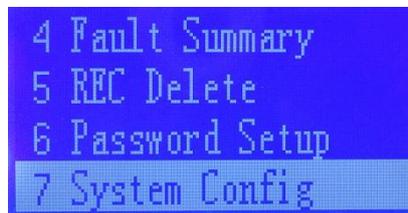
Setting Socket Addresses



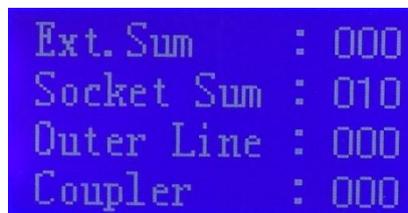
Setting the socket addresses is carried out using the D.I.L. switch on the back of each socket. You can set an address between 1 & 70, for example if you set a socket to address 10 then switch 4 & 2 will be on and all the rest off.

2.2 System Configuration

To learn the sockets on to the system press  until you high light option 7 system configuration in the menu and then press .



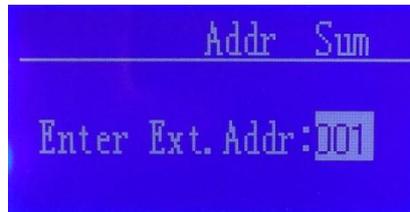
You will now be asked for the engineer's passwords (default 3333) enter the password and then press . The system will now start to search the bus for all the sockets fitted. Once this has finished the display will now show the total number of sockets found.



3.0 OPERATION

3.1 Making a Call

To make a call to one of the extension sockets lift the handset on the main control unit, you will now be asked for the password (default 2222), then press enter. The display will now show the first extension (001).



Enter the number of the extension required and press . When an extension handset is plugged into the ringing extension the call will be answered. To end the call, hang up the main handset or press  and remove the extension handset from the extension socket.

3.2 Answering a Call

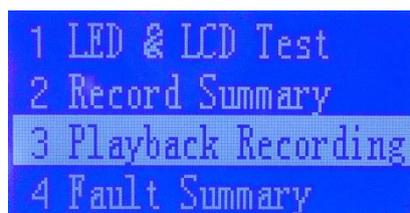
To answer an incoming call from one of the extensions, the control unit will display the number of the extension that is calling.



Lift the handset and enter the user password (default 2222), press enter and then press . To end the call, hang up the main handset or press  and remove the extension handset from the extension socket.

3.3 Call Recording

All calls are automatically recorded when a conversation is in progress. The system can record up to 20 minutes of speech. To play back recordings press  to access the main menu. Scroll down to option 3 and press  to play back recording.



To erase recordings press  to access the main menu. Scroll down to option 5 and press , you will now be asked for the engineer password. This operation should only be carried out by an engineer or the building manager.



4.0 MENU OPTIONS

The main menu is split into 13 sections as follows.

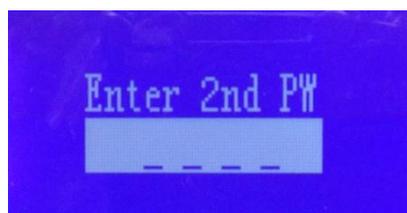
1. LED & LCD TEST
2. RECORD SUMMARY
3. PLAYBACK RECORDING
4. FAULT SUMMARY
5. REC DELETE
6. PASSWORD SETUP
7. SYSTEM CONFIG
8. DEVICE SUMMARY
9. DATE & TIME SETUP
10. LOCAL SETUP
11. OUTSIDE SETUP
12. FACTORY RESET
13. EXIT

4.1 LED & LCD Test

This allows the user to test the LED's and Display. To do this press  you will now see the following screen.

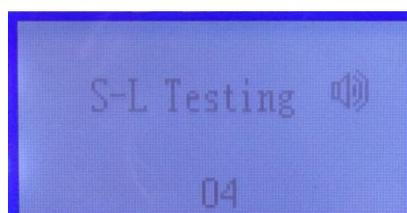


Press  and you will now be asked for the user password.



Enter password (default 2222) and press .

The screen will now flash up and the internal buzzer will sound for 8 seconds and then return to the main screen.



4.2 Record Summary

Record summary menu is split into 3 sub menus.

1. Total Record
2. Call Log
3. Bus Contents

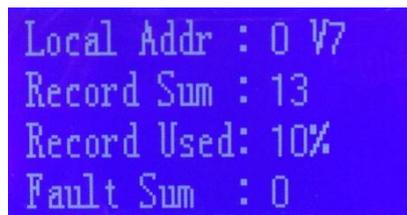


Total record shows the following information:

Record sum = number units fitted on the system bus

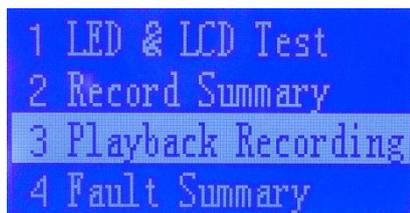
Record Used = Amount of recording space used

Fault sum gives the number of faults on the system



4.3 Playback Recording

This allows the user to playback any recordings of conversations stored on the system. Total record time is up to 20min. The main control panel logs each recording so that you may select each recorded event and then play it back.



4.4 Fault Summary

The fault summary will show the total number of fault events on the system. This function does not store the event but shows it in real time.



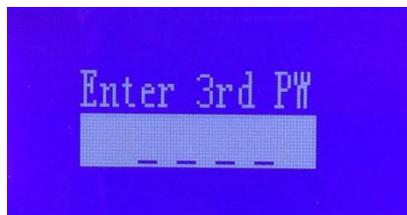
4.5 REC Delete

To delete recordings, carry out the following steps

1. Press  until you high light option 5 and press .



2. You will now be asked for the engineer's password (default 3333). Enter the password and press .



3. You will now be asked to press .



Note: Once you have pressed RESET all recordings are deleted.

4.6 Password Setup

The system has 2 password levels.

1. User (default 2222)
2. Engineer (default 3333)

Both of these passwords can be change to a preferred one for the end user. The engineer password should be only known to the engineer or onsite manager.

To change the passwords scroll down to option 6 and press .



You are now given 2 options,

1. User PW Setup
2. Eng PW Setup



Select option 1 and press  you will now be asked for the engineer’s password, enter the password and press . Input the required new password and press  you will be asked to repeat this. If the code has been accepted the display will show “Operation Success”.

Select option 2 and press  you will now be asked for the engineer’s password, enter the password and press . Input the required new password and press  you will be asked to repeat this. If the code has been accepted the display will show “Operation Success”.

4.7 System Config

See section 2.2 page 6

4.8 Device Summary

The system summary confirms the number of sockets log on to the system.

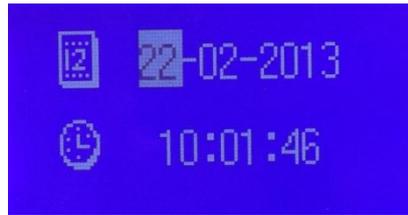


4.9 Date & Time Setup

To set the date and time scroll to option 9 and press .



You will now be asked for the user password, enter the password and press . You will now be shown the date & time with the day being highlighted first.



Using the numeric keypad enter the day and press . This month will now be highlighted. Repeat the process for the month, year and then the time. Once the correct date & time has been entered the display will return to the main screen.

5.0 Local Setup / Outside Setup

These are option 10 & 11 and are for future use.

5.1 Factory Reset

This will wipe the system. To carry out this procedure scroll to option 12 in the menu and press .



You will now be asked for the engineer's password, enter the password and press . The display will now ask you to press . **Warning this is unrecoverable**

5.2 EXIT

Option 13 exits the menu and takes you back to the main screen.

6.0 TECHNICAL

ZAFT/M Main Controller	
Frequency Response	300 ~ 3400Hz (+/- 3dB)
Total Addresses	70
Transmission Fading	≤ 5dB
Loop circuit resistance of extension	≤ 1KΩ
Supply Voltage	24VDC +/- 4V
Bus Voltage	18VDC ~ 26VDC
Standby Current	≤ 200mA
Full Load Current	≤ 500mA
Operating Temperature	0°C ~ 40°C
Relative Humidity	≤ 90% RH
Dimensions	475.5 x 400 x 143mm
Weight	7kg (Excluding Batteries)

ZATS/II Socket	
Frequency Response	300 ~ 3400Hz (+/- 3dB)
Standby Current	≤ 2.5mA
Off Hook Current	≤ 25mA
Line Voltage: Standby Status	15VDC ~ 28VDC
Operating Temperature	0°C ~ 40°C
Relative Humidity	≤ 90% RH