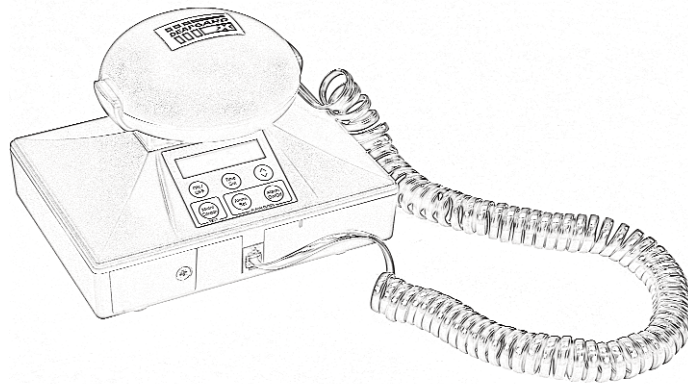




Operating Guide



This is an important document detailing the correct installation and use of the Deafgard X. This must be used in conjunction with the System X Fitting and Operating Guide.

This Guide must be read and fully understood before using the device and be kept in a safe place such as your Fire Risk Assessment File.

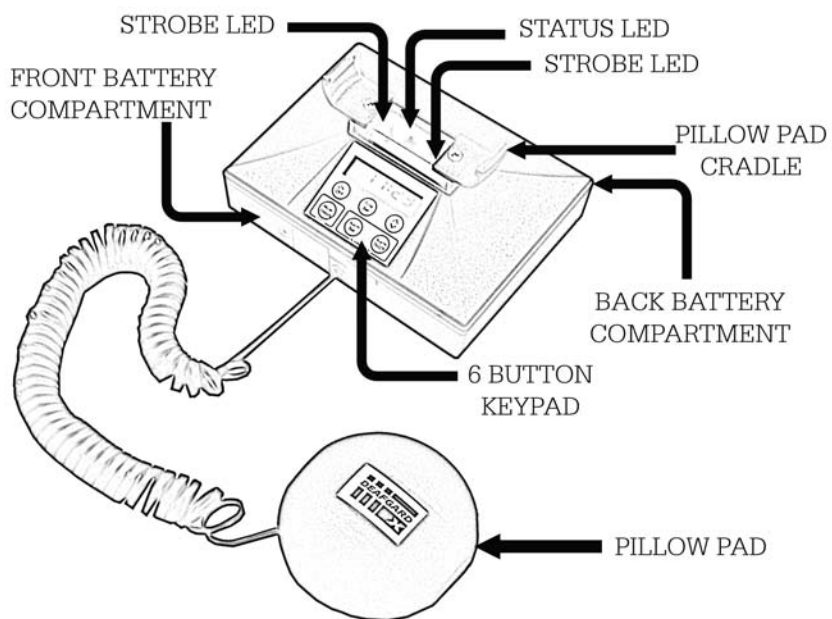
Keep this Guide in a safe place.

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Introduction

Deafgard X is a Battery operated device designed to alert the deaf and hard of of the fire alarm in sleeping premises.

Deafgard X activates when it receives a radio FIRE message from the System X transmitter. Upon receipt of a FIRE message from System X FIRE will be displayed on the LCD, the Strobe LEDs on the top of the unit will flash and the Pillow Pad will vibrate. The Deafgard X unit should be placed next to the bed during use with the Pillow Pad under the Pillow.



Important Information Prior to Installation

Deafgard X must only be used for the purpose for which it is designed. It is not suitable for external use. Read this Guide and follow the instructions carefully, keeping it in a safe place e.g. in your Fire Risk Assessment file, for future reference.

Supplementary information about the sound of a fire alarm:
The British Standard for fire alarm installation, BS5839-1: 2002, (Clause 16.2), states: -

“The sound pressure level of alarm signals should be generally, throughout all accessible areas of the building not less than 65dB(A) . . . where the sound pressure level of background noise is greater than 60dB(A), the sound pressure level of the fire alarm signal should be 5dB above the sound pressure level of the background noise.”

It also states:

The sound pressure level of alarm signals “should not be less than 75dB(A) at the bed head within rooms which the fire alarm system is intended to rouse people from sleep.”

In practice this might not be the case as in hotel's and b&b's decibel levels may be masked by background noise.

Deafgard X has been designed to the relevant parts of BS 5446-3: Specification for smoke alarm kits for deaf and hard of hearing people.

It is important to note that System X must be correctly installed before Deafgard X can be added to the system.

LCD & Keypad



Common LCD readouts:

- FIRE:** Fire alarm has sounded
- PAD:** Pillow Pad cable has detached or has a fault.
- NO RF:** Out of range of System X
- SELF:** Receiving its weekly Self Test command from System X
- TEST:** Deafgard is conducting a test after Button 4 has been pressed.

The LCD is back-lit and is used to display the Time, Wake-up Alarm settings, low Battery conditions and any faults.

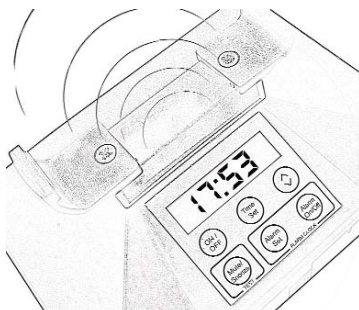
If the unit receives a FIRE alarm message from System X, the LCD will display FIRE.

The LCD will display any error messages such as Pad and NO RF.

Keypad

1. Button 1 ON/OFF - Power On/Off
2. Button 2 TIME SET - Used to set Time
3. Button 3 INCREMENT - Adjust Clock and Wake-up Alarm settings
4. Button 4 MUTE/SNOOZE - Used to mute Wake-up Alarm as well as testing the Deafgard X unit
5. Button 5 ALARM SET - Used to set the Wake-up Alarm
6. Button 6 ALARM ON/OFF - Turns Wake-up Alarm On/Off

The LEDs - Strobe and Status



The LED lens houses the 3 LEDs - 1 Status LED in the centre and two Strobe LEDs either side.

The Strobe LEDs will flash when in a FIRE condition or if a major fault has occurred.

The Status LED will flash according to the Deafgard X status.

If Deafgard X is turned On, under normal conditions the Status LED will flash green once every 15 seconds.

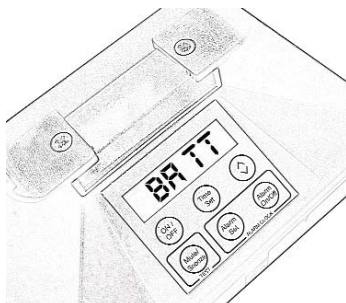
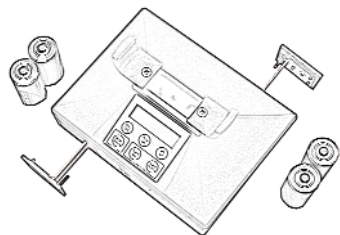
The Status LED will flash red once every 8 seconds if there is a minor fault, such as a Pillow Pad error when the LCD will also display PAD.

If a major fault occurs the Status LED will flash red once every 4 seconds. This will happen if Deafgard X Batteries become critically low or the unit is out of range. With this fault condition, at 15 second intervals, the Strobe LEDs will flash and the Pillow Pad will vibrate for 4 seconds.

The Status LED will illuminate red throughout a fire alarm condition.

When Deafgard X is searching for an Ident Setting (see Setting the Ident) the Status LED will alternate between green and red until the Ident is saved.

Batteries - use 4 x C Size LR14



Use Alkaline Only (Do Not Use Rechargeable Batteries)

The 4 x C Size Procell Alkaline Batteries supplied should last at least 12 months. Deafgard X continually checks the Battery life ensuring safe operation.

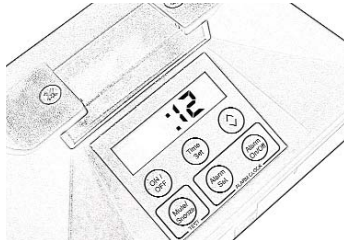
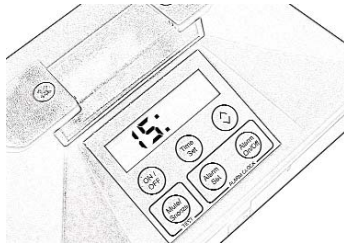
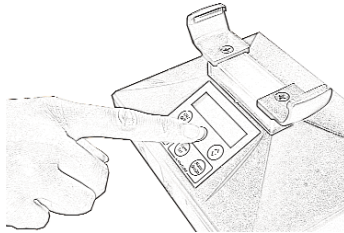
1. Open Battery Compartments using a screwdriver.
2. Insert the Batteries into the Battery Compartments (+) positive side facing out. Inserting the Batteries the wrong way could cause damage.
3. When closing the Battery Compartments take care not to over tighten.

When BATT is displayed on the LCD there are 7 days of Battery life remaining, it is recommended the Batteries are replaced immediately.

Note. Deafgard X saves all Wake-up Alarm times and Ident settings after Batteries are removed. But 'real' time will need to be set.

System X does not adjust automatically for daylight saving hours.

Setting the Time

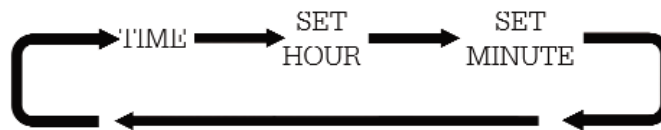


The Time must be set when the Batteries are removed or replaced.

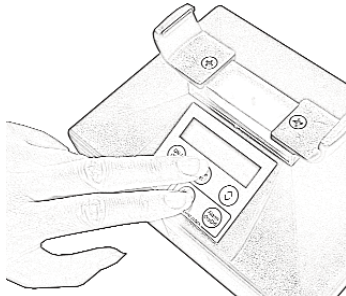
To Set the Time:

1. Press Button 2 TIME SET and hold it down until only the hour numeral is shown on the LCD. Pressing this button again allows you to set the minute.
2. Use Button 3 INCREMENT to adjust the time. Holding down this button increments the numeral in 1/2 second stages.

Note. Deafgard X operates a 24 hour clock and does not adjust automatically for daylight saving hours.



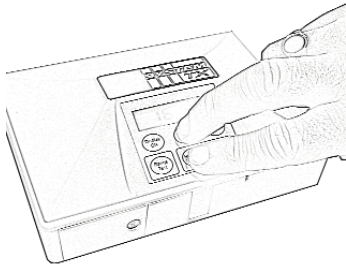
Setting the Ident with System X



Deafgard X can be set to 16 separate Identity Settings (Idents). This allows Deafgard X to be installed in different zones or on separate floors.

Note. Ensure Ident has be set on System X before setting Ident on Deafgard X.

Setting Idents on Deafgard X:

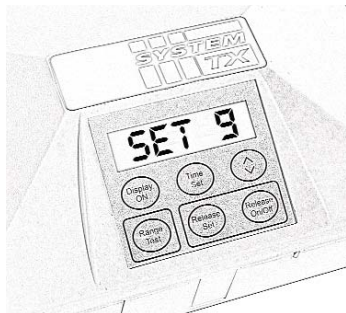


1. On Deafgard X hold Button 2 TIME SET and Button 5 ALARM SET simultaneously until the Status LED illuminates. The LED will alternate between green and red whilst Ident search is in process.

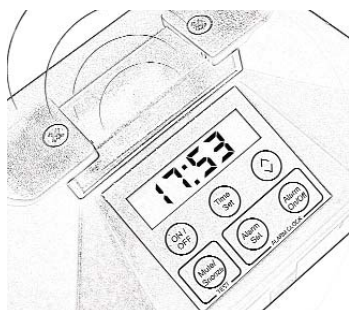
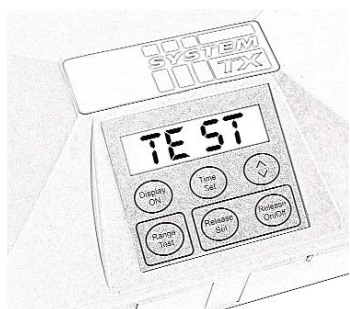
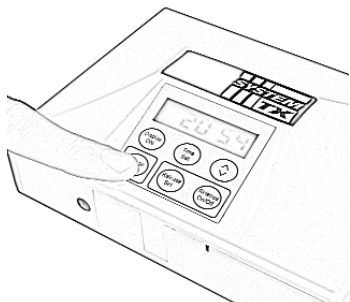
2. On System X hold Button 2 TIME SET and Button 5 RELEASE SET simultaneously until SET and the Ident digit is displayed on the System X LCD.

3. System X will transmit the Ident Setting for 50 seconds. This can be repeated as required.

4. When Deafgard X receives its Ident Setting the Status LED will revert to normal condition, i.e. will flash green every 15 seconds.



Installation and Range Test



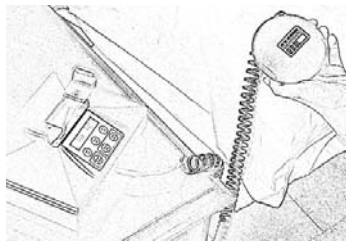
Before Deafgard X can be used the Batteries must be inserted, the Time set, the Ident set with the System X unit and the Range tested.

To perform a Range Test:

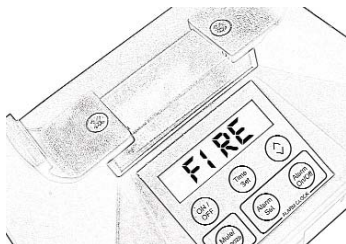
1. On the System X press Button 4 RANGE TEST until the LCD displays TEST. System X will then send a test message to all Linked units within range.
2. When Deafgard X receives the message the Status LED will illuminate green. The LED will time out after 270 seconds or if the unit is turned Off and then On.
3. If no message is received the Status LED will not illuminate and this indicates that the Deafgard X is out of range. If this is the case Deafgard X cannot be used in this location or additional System X transmitters might be needed - consult your supplier.

Note. It is imperative that a Range Test is carried out in all locations where it is to be used and it is noted where Deafgard X is not within range of System X transmitter.

Fire Alarm Test



1. Place Deafgard X where it is to be used, i.e. on the bed side table. Place Pillow Pad under the pillow.
2. Check that the System X installation is correct (refer to System X Fitting and Operating Guide).
3. Sound the fire alarm for a minimum of 30 seconds.
4. Deafgard X activates upon receiving a FIRE message from System X. It will continue doing so until the reset command has been sent from System X.

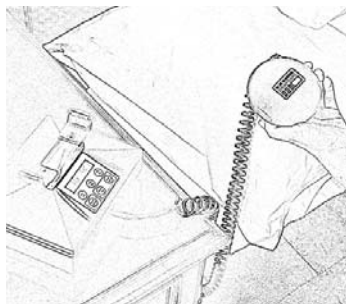
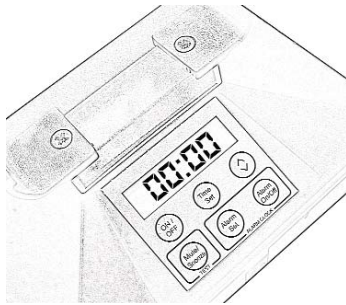
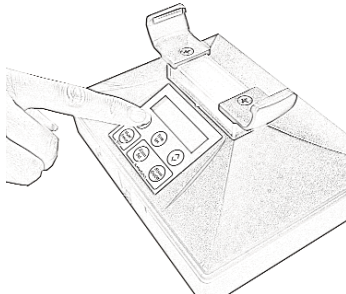


Note. Deafgard X activates when it receives a radio FIRE message from the System X transmitter. Upon receipt of a FIRE message, FIRE will be displayed on the LCD, the Strobe LEDs on the top of the unit will flash and the Pillow Pad will vibrate.



The Deafgard X unit should be placed next to the bed during use with the Pillow Pad under the Pillow.

Using Deafgard X

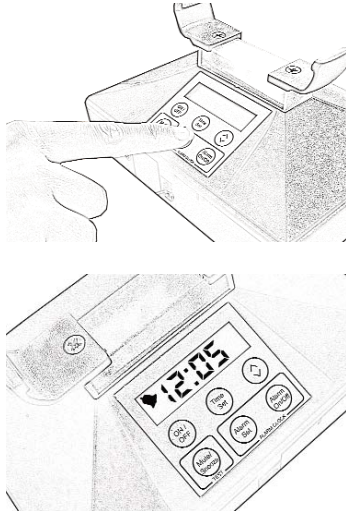


1. To turn the unit On press Button 1 ON/OFF.
2. The LCD will show 0:00 at first power up or if the Batteries have been removed, otherwise the Time will be displayed. Deafgard X will only work as a fire alarm for the deaf and hard of hearing if Linked to a System X (see Setting the Ident).
3. The Status LED will flash green every 15 seconds to show the unit is working correctly.
4. To turn the unit Off hold Button 1 ON/OFF for 6 seconds, or until the LCD turns Off. Deafgard X will not work as a wake-up device and the status LED will no longer flash.

It is important that Deafgard X is turned On and placed in location at least 1 hour before use. This ensures the unit is in range of the System X transmitter. If it is out of range the LCD will display NO RF, Strobe LEDs will flash and and the Pillow Pad will vibrate to alert the user.

Once the unit is in location it is recommended that unit be powered On throughout the day.

Wake-up Alarm - Alarm Clock



When activated, the Wake-up Alarm can be turned off by pressing Button 6 ALARM ON/OFF.

Button 4 MUTE/SNOOZE will snooze the Wake-up Alarm for 8 minutes on first press, 4 minutes on second and 2 minutes on third.

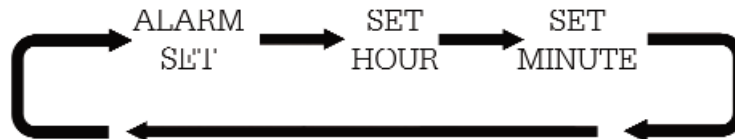
Deafgard X can be used as an wake-up Alarm as well as a fire alarm for the deaf and hard of hearing. When the Wake-up Alarm activates the Pillow Pad will vibrate constantly and the LCD will become back-lit.

1. To set the Alarm Clock depress Button 5 ALARM SET and hold it until only the hour numeral is shown on the LCD. Pressing this button again allows you to set the minutes.
2. Use Button 3 INCREMENT to adjust the time. Holding down this button increments the numeral in 1/2 second stages.

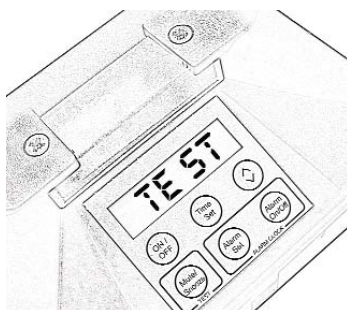
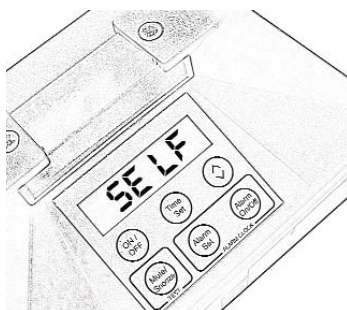
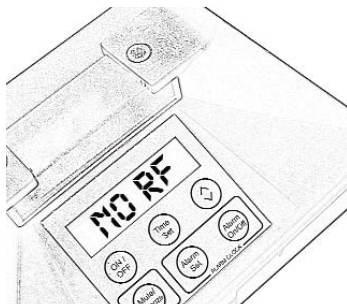
Once set, the bell symbol will be displayed on the LCD to show the Wake-up Alarm function is set and On.

To toggle the Alarm Clock On and Off press Button 6 ALARM ON/OFF.

Note. The Strobe LEDs flash only when the FIRE message is received.



Self Test



A Self Test command is sent from the System X transmitter 12 hours after installation, then weekly at midnight on the set day (See System X Fitting and Operating Guide). During the Self Test, Deafgard X will perform an internal self test and the LCD will read SELF. Should Deafgard X detect an internal fault it will sound a warning tone, vibrate the Pillow Pad, the Status LED will flash red and the LCD will display the error.

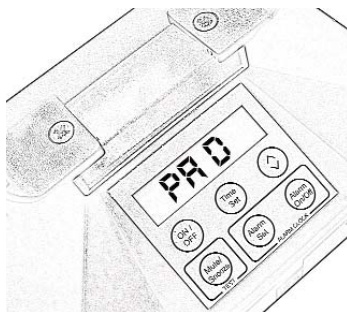
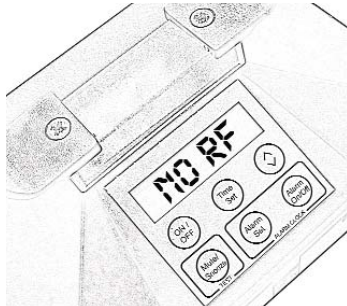
System X transmits a Call-in message every 10 minutes to check the integrity of the system. If Deafgard X fails to receive 5 messages in a row the Strobe LEDs will flash, the pillow pad will vibrate and the LCD will display NO RF.

Note. If Deafgard X is turned Off the unit will not be able to receive the Call-in message

To perform an internal self test of the Deafgard X: hold Button 4 MUTE/SNOOZE until the LCD displays TEST. The Strobe LEDs will flash and the Pillow Pad will vibrate.

Note. The Pillow Pad will not vibrate when in the Cradle. The test does not check the radio integrity of the system.

Trouble Shooting



Note. Deafgard X will display error messages on the LCD if a fault occurs. If this happens perform a reset on the unit by removing the Batteries, waiting 10 seconds and re-inserting.

If error remains contact the Technical Advice Line.

The following are the most frequently asked questions regarding the Deafgard X.

1. Why does Deafgard X not react to the fire alarm?
 - Check System X is installed correctly.
 - Check Deafgard X is in range by performing a Range Test.
 - Check fire alarm is sounding for at least 30 seconds.
2. Why does the Pillow Pad not vibrate?
 - Check Power is On.
 - Check Batteries.
 - Check cable from Pillow Pad is connected securely to the Deafgard unit.
 - Check Pillow Pad is out of the cradle.
3. Why do Strobe LEDs not flash?
 - Check Power is On.
 - Check Batteries.
 - Check cable from Pillow Pad is connected securely to the Deafgard X unit.
4. Why is there no display on the LCD?
 - Check Power is On.
 - Check Batteries.

If all the above points are satisfied and further assistance is required please contact the Technical Advice Line.

Manufacturer's Warranty

Fireco Limited ("we" and "us") warrants to the customer ("you" and "your") that the product will be free from defects in material and workmanship for a period of 12 months from the date of purchase. If the product is defective whilst under warranty we will, at our option, repair the product or replace it free of charge.

If the product appears to develop a defect while under warranty please first check that the product is being correctly used in accordance with this Operating Guide and that the batteries are functioning. If this does not resolve the problem please contact us in writing at the e-mail address shown below or telephone the Technical Advice Line.

The warranty does not apply to any defect in the product arising from fair wear and tear, wilful damage, accident, negligence by you or any third party, abnormal working conditions failure to follow the instructions in this Guide, misuse or alteration or repair of the product without our prior approval. The warranty does not cover Batteries, which may need to be replaced within the period of the warranty. We will not be liable to you for any loss of profits, administrative inconvenience or indirect or consequential loss or damage arising out of any defect in the product.

Where the products are sold under a consumer transaction (as defined by the Consumer Transactions (Restrictions on Statements) Order 1976) your statutory rights are not affected by the terms of this warranty.



Version 1.0