169MHz Telecare Devices
Companion Epilepsy Monitor



- Compatible with Reach at-home alarms, Advent xt warden call, Altec Response and Touchsafe Pro Nursecall systems
- Detects nocturnal tonic-clonic seizures
- No weight restrictions – can be used for adults and children
- Adjustable duration and sensitivity
- Bed sensor detects limb spasms
- Microphone detects repetitive bursts of sound
- Supplied with mains adapter and rechargeable battery
- Integral transmitter with low battery reporting
- Dimensions: 218 x 108 x 45mm (HxWxD)
- Product Code: ZXT477

What are Companion Epilepsy Monitors used for?

The Companion Epilepsy monitor is intended for monitoring a person with Epilepsy in their bed.

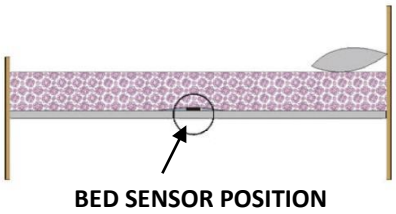
An alarm call is transmitted if the under-mattress bed sensor detects abnormal fast and continued movements or if the microphone senses repetitive bursts of sound.

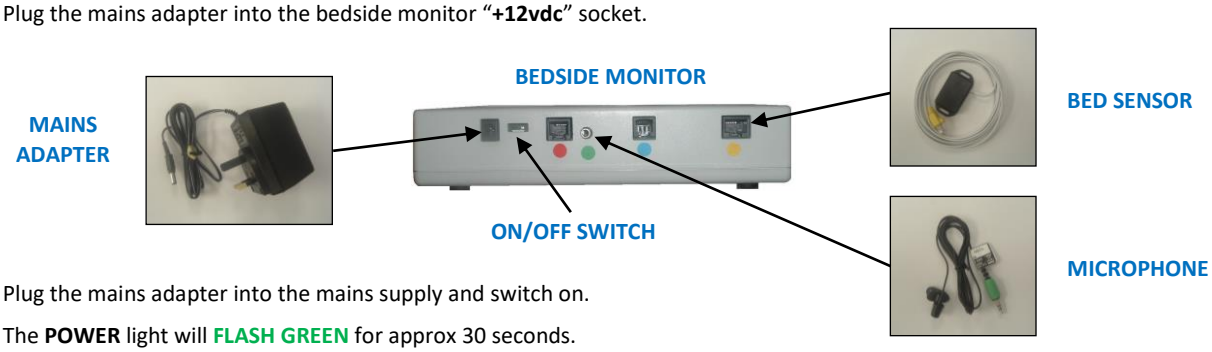
Tools Required

No tools required for installation; the bedside unit is free standing, the mains adapter, bed sensor and microphone all plug-in. The plugs and sockets are colour coded to simplify connection.
A miniature screwdriver is provided to adjust the sensitivity settings (stored inside the battery compartment).

Installation

1. The bed sensor should be placed under the mattress in a position below the rib cage.
2. If the bed has a hard base position the sensor on top of the foam pad provided.
3. Clip the microphone near to the user, i.e. on the headboard or bedside lamp shade.
4. Plug the bed sensor into the bedside monitor YELLOW "**Input A**" socket.
5. Plug the microphone into the bedside monitor GREEN "**Input B**" socket.
6. Plug the mains adapter into the bedside monitor "**+12vdc**" socket.





7. Plug the mains adapter into the mains supply and switch on.
8. The **POWER** light will FLASH GREEN for approx 30 seconds.
9. When the **POWER** light goes STEADY GREEN the unit is ready to test and learn onto the warden call, at-home alarm or Nursecall system.



IMPORTANT: this installation guide contains basic information only. Refer to the Alert-it P154 instruction manual available to download from the website **www.alert-it.co.uk/support-area**

Tynetec and Aidcall are business units of Legrand Electric Ltd
Unit 10 Cowley Road, Blyth Riverside Business Park, Blyth
Northumberland, NE24 5TF. Tel: **01670 352 371**
Email: **sales@tynetec.co.uk** Web: **www.tynetec.co.uk**

A Group brand legrand®

Connecting the Battery

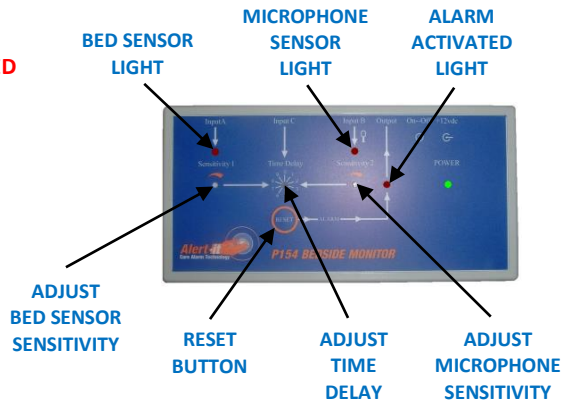
Slide the cover off the battery compartment on the underside of the bedside monitor.
Connect the battery and remove the miniature screwdriver which may be needed to adjust the sensitivity and time delays settings.
Refit the battery compartment cover.



Testing the Epilepsy Monitor

Bed Sensor – tap the mattress and **Input A** light should **FLASH RED** with each tap. The amount of force needed to make the light flash can be adjusted (Sensitivity 1).
Microphone – make sharp sounds or clicks and **Input B** light should **FLASH RED** with each sound. The loudness of the sound to make the light flash can be adjusted (Sensitivity 2).

When either sensor is stimulated the corresponding light will illuminate **STEADY RED** and the time delay starts. The light will stay on after each movement or sound is detected for the **RATE TIME** set on the **Time Delay** switch (see table below). If the sensor activity stops the light will go out and the time delay is reset without sending an alarm. To register an alarm the movement or sound triggers must be faster than this rate.
If the sensor remains activated the **RED ALARM** light will come on and an epilepsy alarm signal will be transmitted.



Sensitivity Adjustment

The factory sensitivity setting should be suitable for detecting spasms in a domestic bed.
For maximum sensitivity turn the control clockwise (with the miniature screwdriver supplied) but not so far that the red light is permanently on or flashing. Turn anticlockwise to reduce over-sensitivity whilst ensuring the red light flashes each time a stimulus at the anticipated level is made.

Time Delay Adjustment

This is the time for which the distress condition (sound or movement) must occur before an alarm is transmitted.

The delay is set by altering the position of the small rotary switch with the miniature screwdriver according to the table alongside.

The delay should be set to minimize false alarms during normal sound or movement.

The default time delay of 15 seconds (position 3) will normally be a good compromise between speed of detection and avoiding false alarms during nocturnal restlessness or short self healing spasms.

TIME DELAY SETTING	TIME (SECS)	RATE (SECS)
0	2.5	1.5
1	5.5	1.5
2	10	2
3	15	2
4	20	3
5	25	3
6	30	3
7	40	3
8	50	3
9	60	3

Registering the Epilepsy Monitor

The Epilepsy monitor must be activated so it can be learned onto the warden call, at-home alarm or Nursecall system.
See the following pages for how to put each of these products into “Learn Mode”.
Turn the **Time Delay** setting to “**0**” then pat the bed with constant rhythm until the **RED ALARM** light comes on and an alarm is transmitted. Press the **RESET** button and set the **Time Delay** back to its previous setting.

The range of all radio devices can be affected by the working environment - always take care during installation and perform several test calls.

Battery Life

The Epilepsy monitor is powered from a mains adapter; it also has an 8.4V PP3 rechargeable battery to maintain operation during a mains failure.
The transmitter contains a long life Lithium battery. The battery condition is checked once a day, if the voltage falls and stays below a pre-set level for 7 consecutive days a low battery alert is automatically transmitted. Once a low battery call is received the Epilepsy monitor should be replaced within 7 days. Epilepsy monitors must be returned to the Tynetec/Aidcall for transmitter battery replacement.
Detailed information on battery management for all Tynetec/Aidcall products is available - request Doc No. FM0630.

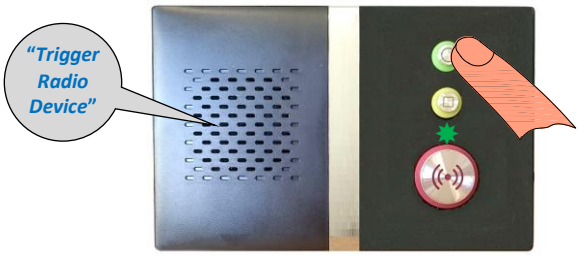
Declaration of Conformity

We declare this product complies with the relevant UK legislation on condition that it is used in the manner intended, and in accordance with the current installation standards and/or the manufacturer's recommendations. A copy of the full UKCA Declaration of Conformity is available on request.

We declare this product complies with the relevant European legislation on condition that it is used in the manner intended, and in accordance with the current installation standards and/or the manufacturer's recommendations. A copy of the full CE Declaration of Conformity is available on request.

*Registering an Epilepsy Monitor onto a **Reach** at-home alarm unit*

1. Put the Reach unit into radio device learn mode…



Press and HOLD the **GREEN** O button on the Reach unit.

When the front light **FLASHES FAST GREEN** release the button and the Reach will announce "***Trigger Radio Device***".

You now have 1 minute to activate the Epilepsy monitor.

2. Activate the Epilepsy monitor…



Turn the **Time Delay** setting to "**0**" then pat the bed with constant rhythm until the **RED ALARM** light comes on and the Reach will announce "***Epilepsy***".

Press the **RESET** button and set the **Time Delay** back to its previous setting.

3. Exit radio device learn mode…



Press the **GREEN** O button on the Reach unit.

The front light will return to **STEADY GREEN** and the Reach is back in normal operating mode.

4. Check with the Control Centre that it is convenient to perform a test call, activate the Epilepsy monitor and confirm they receive an Epilepsy alarm call.

*Deleting an Epilepsy Monitor from a **Reach** at-home alarm unit*

Enter ✱ **1 6 7 0** using the keypad on the rear of the Reach unit – the front light will **FLASH FAST GREEN** and the unit will announce "***Program Mode - Ready***".
Enter **# 0 4 1** and the Reach will announce "***Delete Radio Device***" followed by a "***Beep***".
Enter the 8 digit Epilepsy monitor ID[☩] to be deleted; after the "***Beep***" press **#** to exit.
Press the ✱ key to exit Program Mode; the unit will sound a "***Double-Beep***" and the front light will return to **STEADY GREEN**.

[☩] *The 8 digit ID can be found on a label on the back of the Epilepsy monitor – it will always start with 36xxxxxx*

	The instructions given above for the standard Reach product also applies to the Reach Plus, Reach Plus GSM and Reach Ultra models. Refer to the instruction booklets provided with these products for more information on programming and testing radio devices.

*Registering an Epilepsy Monitor onto an **Advent xt** warden call system*

1. Put the Advent xt system into radio device learn mode…



Using the Manager's DECT telephone;

Press the **LINE** key and wait for the "***Ready***" prompt.

Enter **5 0 0 0** followed by the ✱ key.

Enter the flat number the Epilepsy monitor is being installed in followed by the ✱ key.

You now have 1 minute to activate the Epilepsy monitor.

2. Activate the Epilepsy monitor…



Turn the **Time Delay** setting to "**0**" then pat the bed with constant rhythm until the **RED ALARM** light comes on.

Wait for the "***Enter Location Code***" prompt then press **0** (no location) followed by the ✱ key.

Wait for the "***Pendant Enabled – Enter Flat***" prompt.

Press the **RESET** button and set the **Time Delay** back to its previous setting.

3. Exit the Advent xt system radio device learn mode…



Using the Manager's DECT telephone;

Press the **#** key and wait for the "***Ready***" prompt.

Press the **LINE** key to clear the connection and the warden call system is now back in normal operating mode.

4. Activate the Epilepsy monitor and check an Epilepsy alarm call is reported on the warden call system.

*Deleting an Epilepsy Monitor from an **Advent xt** warden call system*

Press the **LINE** key and wait for the "***Ready***" prompt.
Enter **5 0 0 1** followed by the ✱ key.
Enter the flat number the Epilepsy monitor is being deleted from followed by the ✱ key.
Activate the Epilepsy monitor to be deleted.
Wait for the "***Pendant Disabled – Enter Flat***" prompt.
Press the **#** key and wait for the "***Ready***" prompt, then press the **LINE** key to clear the connection.

	**Refer to the Advent xt operator's manual (Doc No. FM0420) provided with the warden call system for more information on programming and testing radio devices.**

*Registering an Epilepsy Monitor onto an **Altec Response** local carer alarm unit*

1. Put the Altec Response unit into radio device learn mode…



Press **ENTER** to activate the wake-up display then **ENTER** again to display the main menu.

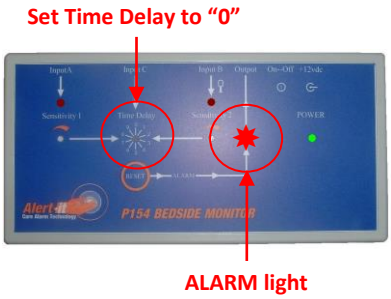
Press **ENTER** to select ➔ **Radio Devices** ➔

Press **ENTER** to select ➔ **Learn Device** ➔

The display will prompt you to "**Trigger the Sensor**".

You now have 20 seconds to activate the Epilepsy monitor.

2. Activate the Epilepsy monitor…



Turn the **Time Delay** setting to "**0**" then pat the bed with constant rhythm until the **RED ALARM** light comes on.

The display will show **Epilepsy** and the Epilepsy monitor 8 digit ID number.
Check the ID is correct, press the ▼ key to select ➔ **Accept** ➔ then press **ENTER**.
Note: if another device has been picked-up press **ENTER** to ➔ **Reject** ➔ and try again.
The display will show ➔ **Flat** ➔, use the ◀ & ▶ keys to choose the dwelling type.
Press the ▼ key to select ➔ **No: 000000** ➔ then press the **ENTER** key.
Use the ▲ & ▼ keys to select each digit of the flat number and the ◀ & ▶ keys to move between digits then press the **ENTER** key.
Press ▼ key several times to select ➔ **Exit** ➔ then press the **ENTER** key.
The display will prompt you to "**Trigger the Sensor**" again.

Press the **RESET** button and set the **Time Delay** back to its previous setting.

3. Exit the Altec Response radio device learn mode…



From the **Learn Device** menu select ➔ **Exit** ➔ then press **ENTER**.

From the **Radio Devices** menu select ➔ **Exit** ➔ then press **ENTER**.

The display will return to the wake-up screen and go blank after 10 seconds.

The Altec Response is now back in normal operating mode.

4. Activate the Epilepsy monitor and check an Epilepsy alarm call is displayed on the Altec Response unit.

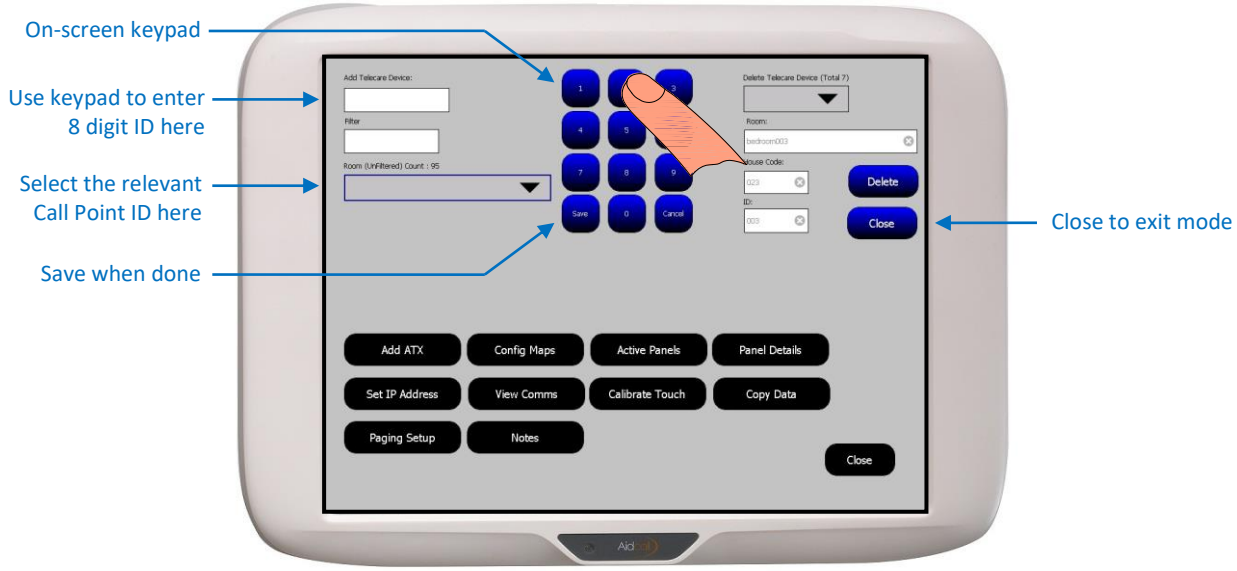
*Deleting an Epilepsy Monitor from an **Altec Response** local carer alarm unit*

Press **ENTER** to activate the wake-up display then **ENTER** again to display the main menu
Press **ENTER** to select ➔ **Radio Devices** ➔
Press the ▼ key to select ➔ **Delete Device** ➔ then press **ENTER**
The display will prompt you to "**Trigger the Sensor**"
Activate the Epilepsy monitor to be deleted - the display will show the device type and its 8 digit ID
If this is the device you activated press the ▼ key to select ➔ **Delete** ➔ then press **ENTER**
If it's NOT the device you activated press the **ENTER** key to select ➔ **Reject** ➔ then try again
To exit the mode select ➔ **Exit** ➔ then press the **ENTER** key.

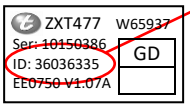
	**Refer to the Altec Response installation guide (Doc No. FM0548) provided with the portable alarm unit for more information on programming and testing radio devices.**

*Registering an Epilepsy Monitor onto a **Touchsafe Pro** Nursecall system*

1. Put the Touchsafe Pro Master Panel into Telecare registration mode; touch the screen and Logon as an Engineer or a Manager *(password required),* then from the main menu page touch the **Telecare** button to open the screen shown below…



2. Enter the Epilepsy monitor ID…



The 8 digit ID is printed on a label on the rear of the Epilepsy monitor.
*Note: this ID will always start with **36**xxxxxx.*

Touch the **Add Telecare Device** box then use the on-screen keypad to enter the ID.

*Hint: enter a zone in the **Filter** box to narrow the search for the room (see below).*

Select the users Call Point ID from the **Room** pull-down list box then press **Save**.
Note: this is the room unit that will be used to cancel the call.

3. Press the **Close** button to exit Telecare mode and the Nursecall panel is now back in normal operating mode.

4. Activate the Epilepsy monitor and check the call is displayed on the Nursecall panel like this…



The screen banner is **red** for an Epilepsy alarm (*Touch the banner to display notes*).
An Epilepsy alarm call cannot be accepted or silenced from the screen.
You must visit the appropriate Nursecall Call Point to cancel the call.



Press the LIGHT GREY button to cancel the call

*Deleting an Epilepsy Monitor from a **Touchsafe Pro** Nursecall system*

Select the Epilepsy monitor ID to be deleted from the **Delete Telecare Device** pull-down list box (prefixed with a "T36").
Details of the Epilepsy monitor selected will be displayed in the **Room**, **House Code** and **ID** boxes below.
If the details shown are correct press the **Delete** button.
Press the **Close** button to exit.

	Refer to the Touchsafe Pro Display Panel user guide (Doc No. FM5505) provided with the Nursecall system for more information.

Tynetec and Aidcall operate a policy of continuous improvement and reserve the right to change product specifications without notice.
If any variation to the details contained in this document are suspected please contact Tynetec's customer support dept on 01670 352371.