



- Compatible with Reach at-home alarms, Advent xt warden call, Altec Response and Aidcall Touchsafe Pro Nursecall systems
- Splash proof – do not immerse in water
- 5 impact sensitivity settings
- Vibration alert and tri-colour LED indicator light
- 4 auto-cancel options
- Integral alarm call button
- Long life Lithium battery with low battery warning
- Dimensions: 57mm x 34mm x 16mm (HxWxD)
- Weight: 23 grams
- Product Code: ZXT411

How does the Fall Detector work?

Worn on the wrist, the fall detector automatically detects a change in acceleration that is related to trips and stumbles, it then monitors for the subsequent impact associated with a fall.

If a fall is automatically detected, the unit can be set to vibrate to alert the user that an alarm call is about to be transmitted (vibrate alert on/off is an optional setting). An alarm call will be transmitted after a 10 second delay unless cancelled by the user.

If the user stands-up, raises their arm in the air or shakes their wrist within 10 seconds of a fall being detected the alarm call can be cancelled automatically (auto-cancel is an optional setting). When an alarm call is cancelled the light will flash **GREEN**.

If no cancellation action is taken the light will flash **RED** and an alarm call will be transmitted.

The large **SILVER** button can be pressed to raise an alarm call at any time, if it is pressed within 10 seconds of a fall being detected a fall alarm will be transmitted immediately – the light will flash **RED**.

Due to the complex nature of falls it may not be possible for the fall detector to automatically detect all falls.

Users should be advised that if they are able, to press the silver button on the fall detector if they need help.

Wearing Options

The fall detector is normally worn on the wrist like a watch. To minimise false alarms it should be worn on the least dominant side; i.e. a right handed person should wear it on their left wrist and vice-versa. It can also be worn on the waist band of a skirt or trousers by fitting the belt clip option supplied.

Fitting the belt clip option - first remove the wrist strap by unclipping the 2 black plastic inserts from the back.

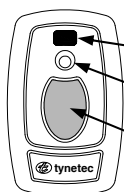
Fit the belt clip part to the top and blanking part to the bottom of the fall detector – see alongside...



1
PULL THE WRIST STRAP TO REMOVE THE 2 BLACK PLASTIC INSERTS FROM THE FALL DETECTOR BODY.

2
FIT THE BELT CLIP PART TO THE TOP AND THE BLANKING PART TO THE BOTTOM AS SHOWN HERE.

Fall Detector Features



BLACK PROGRAM MODE BUTTON

GREEN AMBER RED INDICATOR LIGHT

SILVER ALARM CALL BUTTON

Battery Life

The battery condition is checked every day, if the voltage falls and stays below a preset level for 7 consecutive days a low battery alert is automatically transmitted. Once a low battery call is received the fall detector should be replaced within 7 days.

Fall detectors must be returned to Tynetec/Aidcall for battery replacement.

Detailed information on battery management for all Tynetec/Aidcall products is available – request Doc No. FM0630.



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

Programming Mode

There are 3 programmable options available;

- | | |
|----------------------------|--|
| 1 = Set Sensitivity Level | <i>this sets the level of impact required to activate a fall alarm</i> |
| 2 = Vibration Alert on/off | <i>this provides the user a warning 10 seconds before a fall alarm will be transmitted</i> |
| 3 = Set Auto-Cancel | <i>this determines whether a fall alarm can be cancelled by the user</i> |

To enter Programming Mode;

Press and hold the small **BLACK** button until the unit **((VIBRATES))** then release

The light will flash through **AMBER GREEN RED** for several seconds while a "FALL" alarm is being transmitted

When the light stops flashing the unit will **((VIBRATE))** again to indicate it is in Programming Mode.

To select the Menu Option;

Press the small **BLACK** button to step through the 3 menu options

The light will flash **RED** and 1, 2 or 3 vibrations will be felt as each menu option is reached

Press the large **SILVER** button to select the chosen option, the unit will **((VIBRATE))** to confirm selection.

Note: if no buttons are pressed for 10 seconds the unit will exit Programming Mode.

Option 1: Sensitivity Setting

When menu option 1 is selected the light will flash **GREEN** a number of times to indicate the current Sensitivity Setting

Press the small **BLACK** button to step through the Sensitivity Setting levels

The unit will vibrate and flash its light **RED** 1,2,3,4 or 5 times to indicate the new Sensitivity Level

1 = most sensitive, 3 = normal and 5 = least sensitive (default 3)

Once the desired level is reached press the large **SILVER** button to confirm

The unit will **((VIBRATE))** then flash **GREEN AMBER RED** to confirm its settings (see below) before exiting programming mode.

Option 2: Vibration Alert On/Off

Place the unit into Programming Mode and select menu option 2

When option 2 is selected the light will flash **AMBER** a number of times to indicate the current Vibration Setting

Press the small **BLACK** button to toggle Vibration Alert ON/OFF

1 vibration & 1 **RED** flash = Vibration Alert ON (default)

2 vibrations & 2 **RED** flashes = Vibration Alert OFF

Once the desired setting is made press the large **SILVER** button to confirm

The unit will **((VIBRATE))** then flash **GREEN AMBER RED** to confirm its settings (see below) before exiting programming mode.

Option 3: Auto Cancel Setting

Place the unit into Programming Mode and select menu option 3

When option 3 is selected the light will flash **RED** a number of times to indicate the current Auto-Cancel Setting

Press the small **BLACK** button to step through the Auto-Cancel options;

1 vibration & 1 **RED** flash = Auto-Cancel by pressure only (default) - *cancellation is only possible if the user takes deliberate, conscious action i.e. stands-up quickly and raises an arm in the air*

2 vibrations & 2 **RED** flashes = Auto-Cancel by pressure and movement - *cancellation requires less deliberate action and simply standing-up should suffice*

3 vibrations & 3 **RED** flashes = Auto-Cancel by movement only - *user can cancel alarm easily by deliberately moving device i.e. shaking their wrist*

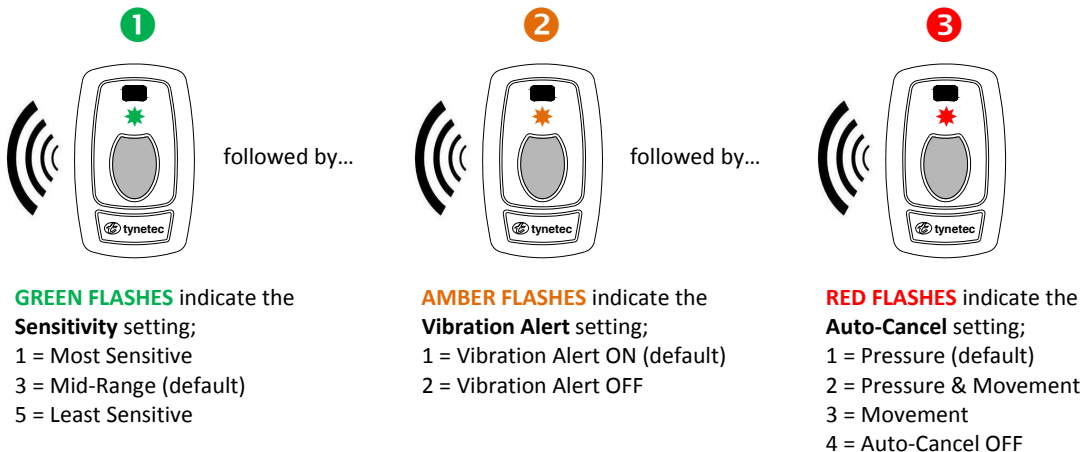
4 vibrations & 4 **RED** flashes = Auto-Cancel OFF - *alarm cannot be cancelled regardless of action by the user*

Once the desired setting is selected press the large **SILVER** button to confirm

The unit will **((VIBRATE))** then flash **GREEN AMBER RED** to confirm its settings (see below) before exiting programming mode.

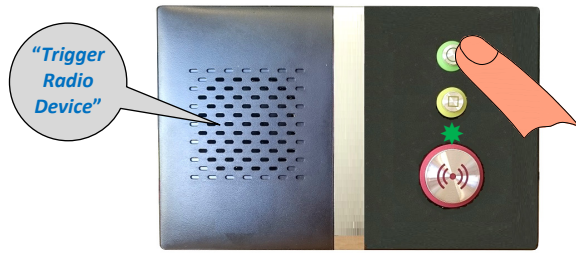
Confirmation of Settings

Whenever the unit exits programming mode (or registration mode) it will vibrate and flash its light **GREEN AMBER RED** a number of times to indicate its Sensitivity Setting, if Vibration Alert is on or off and it's Auto-Cancel Setting. After the **RED** flash sequence the fall detector will return to normal operating mode.



Registering a Fall Detector onto a Reach at-home alarm unit

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



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

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

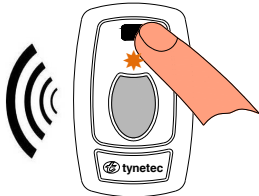
You now have 1 minute to activate the fall detector as a pendant and a fall.

2. First activate a **PENDANT** alarm on the fall detector...



Press the large **SILVER** button once, the light will flash **RED** for several seconds and the Reach unit will announce *"Pendant"*.

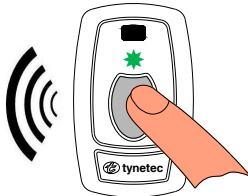
3. Then activate a **FALL** alarm on the fall detector...



Press and hold the small **BLACK** button for about 3 seconds until the fall detector vibrates then release; the light will flash **AMBER GREEN RED** for several seconds and the Reach unit will announce *"Fall"*.

When the transmission is complete the fall detector will vibrate again.

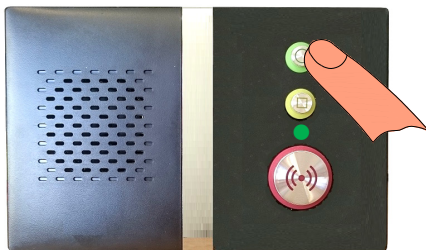
4. Exit the fall detector registration mode...



Press the large **SILVER** button once, the fall detector will vibrate and the light will flash a sequence of colours to confirm its settings (see page 2).

or... Leave for about 10 seconds and the fall detector will exit the mode automatically and confirm its settings.

5. Exit the Reach unit radio device learn mode...



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

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

6. Check with the Control Centre that it is convenient to perform a test call, activate the fall detector both ways and confirm they receive both a pendant and a fall call.

Deleting a Fall Detector 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 fall detector ID (prefix 22) to be deleted and the unit will *"Beep"*.

Enter the 8 digit pendant ID (prefix 20) 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 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 a Fall Detector onto an Advent xt warden call system

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



Using the Manager's DECT telephone;

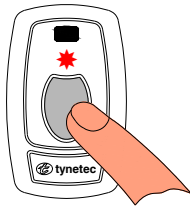
Press the **LINE** key and wait for the "**Ready**" prompt.

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

Enter the flat number the fall detector is being installed in followed by the ***** key.

You now have 1 minute to activate the fall detector as a pendant and a fall.

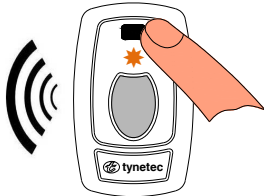
2. First activate a **PENDANT** alarm on the fall detector...



Press the large **SILVER** button once, the light will flash **RED** for several seconds.

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

3. Then activate a **FALL** alarm on the fall detector...



Press and hold the small **BLACK** button for about 3 seconds until the fall detector vibrates then release; the light will flash **AMBER GREEN RED** for several seconds. *When the transmission is complete the fall detector will vibrate again.*

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

4. Exit the fall detector registration mode...



Press the large **SILVER** button once, the fall detector will vibrate and the light will flash a sequence of colours to confirm its settings (see page 2).

or... Leave for about 10 seconds and the fall detector will exit the mode automatically and confirm its settings.

5. 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.

6. Activate the fall detector both ways and check the correct call types are reported on the warden call system.

Deleting a Fall Detector 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 fall detector is being deleted from followed by the ***** key.

Simulate a fall (or press and hold the small **BLACK** button) on the fall detector to be deleted.

Wait for the “Pendant Disabled – Enter Flat” prompt.

Enter the same flat number the fall detector is being deleted from again followed by the ***** key.

Press the large **SILVER** button on the fall detector 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 operators manual (Doc No. FM0420) provided with the warden call system for more information on programming and testing radio devices.

Registering a Fall Detector 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.

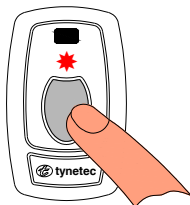
Press **ENTER** to select **→ Radio Devices ←**

Press **ENTER** to select **→ Learn Device ←**

The display will prompt you to “Trigger the Sensor”.

You now have 20 seconds to activate the fall detector as a pendant.

2. Activate a **PENDANT** alarm on the fall detector...



Press the large **SILVER** button once, the light will flash **RED** for several seconds.

The display will show **Personal Pendant** and the fall detector 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.

3. Activate a **FALL** alarm on the fall detector...



Press and hold the small **BLACK** button for about 3 seconds until the fall detector vibrates then release; the light will flash **AMBER GREEN RED** for several seconds.

When the transmission is complete the fall detector will vibrate again.

The display will show **Fall Detector** and the fall detector 8 digit ID number.

If the ID is correct press the **▼** key to select **→ Accept ←** then press **ENTER**.

Re-enter the same details as above for the fall detector.

4. Exit the fall detector registration mode...



Press the large **SILVER** button once, the fall detector will vibrate and the light will flash a sequence of colours to confirm its settings (see page 2).

or... Leave for about 10 seconds and the fall detector will exit the mode automatically and confirm its settings.

5. 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.

6. Activate the fall detector both ways and check the correct call types are displayed on the Altec Response unit.

Deleting a Fall Detector 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**”

Simulate a fall (or press and hold the small **BLACK** button) on the fall detector to be deleted - the display will show the device type and its 8 digit ID number

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

Press the large **SILVER** button on the fall detector to be deleted - the display will show the device type and its 8 digit ID number

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.



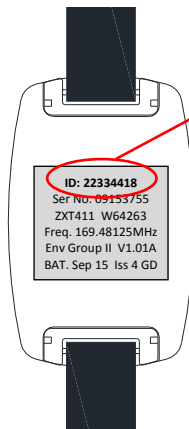
Refer to the Altec Response installation guide (Doc No. FM0548) provided with the portable alarm unit for more information on programming and testing radio devices.

Registering a Fall Detector 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 fall detector ID...



The 8 digit ID is printed on the silver label on the rear of the fall detector.
Note: this ID will always start with 22xxxxxx (22 prefix = fall).

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 box then press **Save**.

Note: this is the room unit that will be used to cancel the call.

Use the on-screen keypad to enter the same 8 digit ID again but this time change the first 2 digits from “22” to “20” (20 prefix = pendant call).

Select the same Zone and Call Point ID as above then press **Save**.

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

4. Press the **SILVER** button on the fall detector and check the call is displayed on the Nursecall panel like this...



The screen banner is **orange** for a pendant call (*Touch the banner to display notes*).

Press the **Accept** button on the banner to silence the alarm - this will also notify all other panels the call is being dealt with.

The screen banner changes to **purple** when a call is accepted.

You must visit the appropriate Nursecall Call Point to cancel the call.

5. Simulate a fall (or press and hold the **BLACK** button) on the fall detector and check the alarm is displayed on the Nursecall panel like this...



The screen banner is **red** for a fall alarm (*Touch the banner to display notes*).

A fall alarm 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 a Fall Detector from a Touchsafe Pro Nursecall system

Select the fall Detector ID to be deleted from the **Delete Telecare Device** pull-down list box (prefixed with a “T22”).

Details of the fall detector selected will be displayed in the **Room**, **House Code** and **ID** boxes below.

If the details shown are correct press the **Delete** button.

Select the pendant ID to be deleted from the **Delete Telecare Device** pull-down list box (prefixed with a “T20”).

Details of the pendant 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 our customer support department on 01670 352371.*