Where should Carbon Monoxide Detectors be fitted?
Carbon Monoxide (CO) detectors should be installed in every room containing a fuel-burning appliance and every sleeping room.

Choosing a Location
When fitting in the same room as a fuel burning appliance the detector should be at a horizontal distance between 1 and 3m from the potential source, if the room has a sloped ceiling it should be at the high side of the room. If the detector is wall mounted, it should be at least 150mm below the ceiling and at a height greater than any door or window. If the detector is ceiling mounted, it should be at least 300mm away from any wall or light fitting. If fitted in sleeping rooms the detector should be located relatively close to the breathing zone of the occupants. Do not mount the detector above any source of heat or steam. Refer to the Manufacturer’s instruction booklet for more information on positioning.

Typical Tools Required
Be careful when using step ladders – always face the direction you are working. Always make sure the correct drill bits and screwdrivers are used.

How to Activate the Carbon Monoxide Detector
To activate the detector, remove the metal disabling clip by pulling it out of the back of the unit. Retain the disabling clip for future use. When activated the green power light will flash once every 60 seconds.

How to Install a Carbon Monoxide Detector
Make sure you have read and understood the instructions on positioning the detector before starting. To mount on a wall or ceiling; push-out the screw hole blanking plugs in the rear with a screwdriver and mark the position for the drill holes. Please ensure that you use the screws and wall plugs provided as they were chosen specifically for use with this product. Alternatively, the unit can be fixed with the self-adhesive pads provided. Ensure the surface is smooth, clean and dry. Press hard to make sure the self-adhesive pads are properly adhered. It can also be positioned free-standing on a shelf.

• Compatible with Reach at-home alarms, Advent xt warden call, Altec Response and Touchsafe Pro NurseCall systems
• Advanced electrochemical sensor technology
• 85dB @ 3m sounder
• Indicator lights: red alarm, yellow fault & green power
• 10 year sealed for life Lithium battery
• Low battery warning
• Test & Silence button
• Complies with BS EN 50291-1 & 2:2010 + A1:2012
• Dimensions: 95mm x 114mm x 40mm (HxWxD)
• Weight: 193 grams
• Product Code: ZXT491
Testing the Carbon Monoxide Detector

Press the Test button in the centre and release.
The unit will sound an audible alarm consisting of 2 cycles of 4 loud beeps, then stop automatically.
The red CO light on the detector will flash rapidly during the audible signal.
The Test button must be pressed when registering the CO detector onto the warden call system, at-home alarm or Nursecall system.
See the following pages for how to put each of these products into registration mode.

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

In Case of Carbon Monoxide Alarm

If a Carbon Monoxide leak is detected the unit will repeatedly sound 4 loud beeps and the red CO light will flash once every 5 seconds. Keep calm and open the doors and windows to ventilate the property.
Stop using all fuel-burning appliances and ensure, if possible, that they are turned off.
Evacuate the property leaving the doors and windows open.
Contact your Gas supplier on their emergency number.
Do not re-enter the building until the alarm has stopped.

How Carbon Monoxide can affect you

Refer to the Manufacturer’s instruction booklet for full details on the symptoms associated with increasing degrees of exposure to Carbon Monoxide.

DANGER: Never ignore any alarm, further exposure can be fatal.
Get medical help immediately for anyone suffering the effects of Carbon Monoxide poisoning (e.g. headaches or nausea).
Do not use the appliance again until it has been checked by a Gas Safe qualified engineer.

Fault Condition

If the unit chirps every 60 seconds and the yellow warning light flashes 20-25 seconds after, this indicates a fault condition.
Replace the Carbon Monoxide detector immediately.

Maintenance

Test the Carbon Monoxide detector once every week.
Clean once every 3 months using a vacuum cleaner fitted with the soft brush attachment.
Do not use solvents or cleaners, the unit can be wiped with a damp cloth.

Low Battery Warning

If the unit chirps every 60 seconds and the yellow warning light flashes at the same time, this indicates the battery is running low.
The low battery condition will also be reported to the Alarm Receiving Centre (ARC) or the local Manager.
The complete Carbon Monoxide detector should be replaced within 30 days.
Detailed information on battery management for all Tynetec/Aidcall products is available - request Doc No. FM0630.

Sleep Easy Feature

Low battery warnings often start at night or when it may be inconvenient to replace the detector.
You can silence the audible ‘low battery’ chirp for a period of eight hours by pressing the Test button.
After this period the audible chirp will start again. This process can be repeated a maximum of 10 times.
The alarm will still detect CO during this time, however it must be replaced within 30 days.

Disposal

Waste electrical products should not be disposed of with normal household waste.
The Carbon Monoxide detector is ideally suited for disposal within the waste electronic and electrical equipment (WEEE) recycling scheme. Please recycle where facilities exist.
Check with your local authority or contact your supplier for recycling/disposal advice.

Warning

The Carbon Monoxide detector contains a powerful Lithium battery.
If tampered with the battery may be damaged and create a fire hazard.
No attempt should be made to open the case or remove the battery.
Do not incinerate.
**Registering a CO Detector onto a Reach at-home alarm unit**

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

   **“Trigger Radio Device”**

   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 CO detector.

2. Activate the CO detector...

   **Press the Test/☐ button once.**
   The horn will sound 2 loud bursts of 4 beeps, the CO light will flash **RED** and the Reach will announce **“Carbon Monoxide”**.

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 CO detector and confirm they receive a carbon monoxide alarm call.

**Deleting a CO 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 CO detector 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 CO detector – it will always start with 49xxxxxx

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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 CO 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 CO detector is being installed in followed by the * key.
   You now have 1 minute to activate the CO detector.

2. Activate the CO detector...

   Press the Test/ button once, the horn will sound 2 loud bursts of 4 beeps and the CO light will flash RED.
   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. 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 CO detector and check a carbon monoxide alarm call is reported on the warden call system.

Deleting a CO 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 CO detector is being deleted from followed by the * key.
Activate the CO 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 operator’s manual (Doc No. FM0420) provided with the warden call system for more information on programming and testing radio devices.
Registering a CO 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 CO detector.

2. Activate the CO detector...

   Press the Test/ tá button once, the horn will sound 2 loud bursts of 4 beeps and the CO light will flash RED.
   The display will show CO Alarm and the CO 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. 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 CO detector and check a carbon monoxide alarm call is displayed on the Altec Response unit.

Deleting a CO 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”
Activate the CO 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 CO 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 CO detector ID...

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

4. Activate the CO detector and check the call is displayed on the Nursecall panel like this...

The screen banner is red for a CO alarm call (Touch the banner to display notes).
A carbon monoxide alarm call cannot be accepted or silenced from the screen.
You must visit the appropriate Nursecall Call Point to cancel the call.

Deleting a CO Detector from a Touchsafe Pro Nursecall system

Select the CO detector ID to be deleted from the Delete Telecare Device pull-down list box (prefixed with a “T49”).
Details of the CO detector 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.