169MHz Telecare Devices
Gas & Carbon Monoxide Detector

- Compatible with Reach at-home alarms, Advent warden call, Altec Response and Touchsafe Pro Nurse Call systems
- Gas alarm activates at 10% of Lower Explosive Limit
- CO alarm activates on Time Weighted Average: 30ppm 2hrs, 50ppm 1hr, 100ppm 10mins or 300ppm 0-3mins
- 85dB @ 3m sounder
- Indicator lights: green power, yellow fault & red alarm
- Requires connection to 240V AC mains supply via a fused spur
- Transmitter low battery warning
- Complies with EN50194 (Gas) & EN50291 (CO)

Where should Gas & Carbon Monoxide Detectors be fitted?
Combined Gas & Carbon Monoxide (CO) detectors should be fitted in all rooms with a fuel burning appliance such as a boiler or gas cooker and where a lot of time is spent e.g. the kitchen or living room.
They should not be fitted in the bathroom or areas subject to steam, damp or humidity.

Choosing a Location
The combined gas & CO detector should be wall mounted in the highest part of the room, approx 300mm from the ceiling and between 1 and 5 metres from the appliance.
The combined gas & CO detector should not be located inside a cupboard, behind a curtain, directly above the cooker or sink, next to a door or window or near an extractor fan.
The combined gas & CO detector should be within 5 metres of a mains supply otherwise the cable provided will need extending.

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.

Installation
1. IMPORTANT: BS EN50244:2016 Electrical apparatus for the detection of combustible gases in domestic premises states that detectors should be permanently installed and it should not be possible to switch off power to the device, unless for maintenance. A plug and socket type connection should not be used, due to the ease with which the detector may be disconnected from the power supply.
2. Fix the mounting plate complete with detector to the wall using the screws and plugs provided through the 4 fixing holes "A".
3. The detector should be wired to the mains supply by a qualified Electrician using the flexible cable provided to a fused spur outlet fitted with a 3A fuse to BS1363-4 and BS1362 respectively, or according to local regulations.
4. Apply the mains power and the GREEN ON light will FLASH for about 2 minutes during the sensor warm-up period. The unit is operating when the GREEN ON light is lit steady.
Testing & Registering the Gas & CO Detector

The TRANSMIT GAS and TRANSMIT CO pushbuttons on the lid are used when registering the combined Gas & 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.

![Warning]

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

Important Note on Sensor Testing

The gas and CO detector should be functionally tested every 6-12 months (depending on location). The gas sensor can only be tested with calibrated test gas, never test using neat gas as this will poison the sensor. The CO sensor can only be tested with calibrated test CO, this will take less than 1 minute to trigger. For test gas supplies please contact Duomo.

In Case of Gas Alarm

If gas is detected the RED “ALARM GAS” light will illuminate, and the audible alarm will sound.

- Put out all naked flames.
- Don’t smoke. Don’t use naked flames.
- Don’t turn electrical switches on or off.
- Turn the gas off at the supply.
- Open windows and doors to ventilate the area.

The alarm will silence when the gas is cleared. If the alarm continues to sound and the leak cannot be found, vacate the premises and inform the Gas Emergency Service immediately.

In Case of Carbon Monoxide Alarm

If carbon monoxide is detected the RED “ALARM CO” light will illuminate, and the audible alarm will sound.

Open windows and doors to ventilate the area.

If the alarm stops it is safe for a qualified person to find the cause of the alarm. If the alarm continues turn the appliance off and do not use until it has been checked by a qualified person. Get medical help for anyone suffering headaches or nausea, advise that carbon monoxide poisoning is suspected.

In Case of Fault

If the YELLOW “FAULT” light illuminates the self test feature has detected a fault with the sensor. The unit is probably defective and must be replaced.

After 6 years the YELLOW light will blink continuously, and the unit will emit a beep every hour. The sensor has exceeded its useful life and must be replaced.

False Alarms

It is possible aerosol sprays, alcohol used in cooking, cigarette, cigar or pipe smoke, gas from a cigarette lighter, strong household cleaning agents, polishes or solvents may cause false alarms.

Cleaning and Care

It is recommended to clean the gas & CO detector periodically using the nozzle attachment on a vacuum cleaner to remove dust, insects and cobwebs from the cover slots. The detector can be wiped clean with a damp cloth, never use detergents or polish etc. Avoid spraying any aerosols near the detector.

Decorating

Never paint the gas & CO detector itself. Unplug the mains supply and cover the detector when decorating to avoid contamination from water or dust.

Battery Life

The transmitter battery is checked once a 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 gas & CO detector should be replaced within 7 days. The gas & CO detector 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.
Registering a Gas & CO 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 gas & CO detector.

2. Activate the gas & CO detector...

Press the TRANSMIT GAS button once and the Reach will announce "Gas". Wait for about 10 seconds then...

Press the TRANSMIT CO button once and the Reach will announce "Carbon Monoxide".

3. Exit radio device learn mode...

Press the GREEN 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, first activate a gas test call and confirm they receive a gas alarm call, then activate a CO test call and confirm they receive a carbon monoxide alarm call.

Deleting a Gas & CO Detector from a Reach at-home alarm unit

Enter 1670 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 #041 and the Reach will announce "Delete Radio Device" followed by a "Beep".

Enter the 8 digit gas detector ID to be deleted and wait for the "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.

Both 8 digit ID’s can be found on a label on the back of the gas & CO detector – they will always start with 44xxxxx and 49xxxxx.

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

2. Activate the gas & CO detector...

   1. Press the TRANSMIT GAS button once.
      Wait for the “Enter Location Code” prompt then press 0
      (no location) followed by the * key.
      Wait for the “Pendant Enabled – Enter Flat” prompt.
   2. Press the TRANSMIT CO button once.
      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. First activate a gas test call and check a gas alarm call is reported on the warden call system, then activate a CO test call and check a carbon monoxide alarm call is reported.

Deleting a Gas & 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 gas detector is being deleted from followed by the * key.
Press the TRANSMIT GAS button on the gas & CO detector to be deleted.
Wait for the “Pendant Disabled – Enter Flat” prompt.
Press the TRANSMIT CO button on the gas & 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 operators manual (Doc No. FM0420) provided with the warden call system for more information on programming and testing radio devices.
**Registering a Gas & 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 gas & CO detector.

2. Activate the gas & CO detector...

   Press the TRANSMIT GAS button once.
   The display will show Gas Alarm and the gas 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 gas detector and check a gas alarm call is displayed on the Altec Response unit.

**Deleting a Gas & 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”
Press the TRANSMIT GAS button on the gas & CO detector 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
Press the TRANSMIT CO button on the gas & CO detector 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
Note: if the ID is 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 Gas & 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 gas and CO detector ID’s...

   Both 8 digit ID’s are printed on a label on the rear of the gas & CO detector. 
   Note: the ID’s will always start with 44xxxxx (gas) and 49xxxxx (CO).
   Touch the Add Telecare Device box then use the on-screen keypad to enter the gas 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.
   Touch the Add Telecare Device box again and repeat as above for the CO ID.

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

4. Activate both gas and CO test calls and check they are displayed on the Nursecall panel like this...

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

Deleting a Gas & CO Detector from a Touchsafe Pro Nursecall system

Select the gas detector ID to be deleted from the Delete Telecare Device pull-down list box (prefixed “T44”).
Details of the gas 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 CO detector ID to be deleted from the Delete Telecare Device pull-down list box (prefixed “T49”) and repeat as above.
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.