

169MHz Telecare Devices

Gas Detector



- Alarm at 10% of LEL (Lower Explosive Limit)
- 85dB @ 1m sounder
- 3 Indicator lights: green power, red alarm & yellow fault
- Requires 240V AC mains supply (5m lead & plug supplied)
- Power consumption: <6.5 Watts
- Transmitter low battery warning
- Test/Hush button
- Complies with EN50194:1:2009
- Backplate dimensions: 175 x 140mm (depth = 43mm)
- Weight: 375 grams
- Tynetec Part No. ZXT486

Where should a Gas Detector be fitted?

A gas detector should be fitted in the room where a gas escape is most likely to occur. For most installations the most likely source of a gas escape will be the cooker in the kitchen.



Choosing a Location

Natural gas is lighter than air therefore the gas detector should be wall mounted above the level of a possible gas escape but not more than 30cm from the ceiling.

The gas detector should be located between 1 and 5 metres from the gas appliance. It must 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 gas detector should be within 5 metres of a mains socket otherwise the cable and plug provided will need extending.

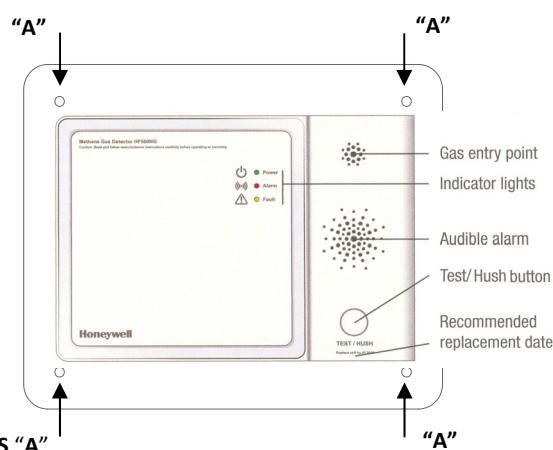
Typical Tools Required

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. Fix the mounting plate complete with detector to the wall using the screws and plugs provided through the **FIXING HOLES "A"**.
2. Run the mains lead to the nearest socket and secure using the self adhesive cable clips provided.
3. Plug-in and switch on the mains supply – check the following sequence occurs;
 - All 3 indicators light and the unit sounds a single chirp.
 - The 3 indicators then light in turn and cycle 4 times.
 - The unit is operating when the **GREEN Power** light is lit steady.
4. Press and hold the **TEST/HUSH** button for 1 second.
 - The red light will flash 4 times followed by the yellow light 4 times accompanied by the audible alarm sounding 8 times.



4 x FIXING HOLES "A"

Testing

Press and hold the **Test/Hush** button for 1 second to verify operation – this should be done once a month.

Press and hold the **Test/Hush** button for more than **20 seconds** then release to test the radio transmitter, this must be done when learning the gas detector onto the SayPhone, Reach, Advent xt or Altec Response.

See the following page for how to put each of these products into “Learn Mode”.



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

If Gas is detected...

If gas is detected the **RED Alarm** light will flash and the audible alarm will sound.

Carry out the following actions, not necessarily in the order given;



- **Put out all naked flames and don't smoke**
- **Turn off all gas appliances**
- **Don't turn electrical switches on or off including the gas detector**
- **Turn the gas supply off**
- **Open doors and windows to increase ventilation**
- **Don't use telephones where gas may be present**

The alarm will silence when the gas is cleared.

The **Test/Hush** button can be pressed to silence the alarm for 5 minutes (the **RED Alarm** light will continue to flash).

If gas is still present after 5 minutes the alarm will sound again.

If the alarm continues to sound and the leak cannot be found vacate the premises and inform the **Gas Emergency Service** immediately on **0800 111 999**

Fault Indication

If the **YELLOW Fault** light flashes or stays on and the unit chirps there is a fault with the detector and it should 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 detector periodically using the nozzle attachment on a vacuum cleaner to remove dust, insects and cobwebs from the cover holes.

The detector can be wiped clean with a lightly dampened cloth, never use detergents or polish etc.

Avoid spraying any aerosols near the detector.

Silicones can permanently damage the detector. Avoid using silicone sealant or any product containing silicone in the vicinity of the detector.

Decorating



Never paint the gas detector itself.

Unplug the mains supply and remove the gas detector from the wall when decorating to avoid contamination from water or dust.

End of Life



The detector should operate for 5 years under normal use.

The recommended replacement date is shown on the front of the detector.

When the unit reaches its end of life it should be disposed of in accordance with local regulations.

It is classified as electronic waste and must be disposed of separately from household waste.

Battery Life

The radio transmitter battery is checked once a day, if the voltage falls and stays below a preset level for 7 consecutive days a low battery call is automatically sent to the Control Centre or Local Manager.

Detailed information on battery management for all Tynetec products is available in a separate document.

Contact Tynetec's customer support dept and request a copy of Doc No. FM0630.

Learning the Gas Detector onto a SayPhone V2...



1. Turn the SayPhone V2 off, re-apply power and the front light will flash **RED/AMBER/GREEN**.
2. When the light is flashing press the **RED** ■ button once – the SayPhone V2 will announce “**Trigger Radio Device**” and the front light will go steady **AMBER**.
3. Press the **Test/Hush** button on the gas detector for more than 20 seconds then release – the SayPhone V2 will announce “**Gas**”.
4. Press the **GREEN** ■ button on the SayPhone V2 and wait for about 12 seconds until the front light goes steady **GREEN**.
5. Check with the Control Centre that it is convenient to perform a test call, press the **Test/Hush** button again and confirm they receive the correct call type.
6. See the SayPhone V2 installation & programming guide (Tynetec Doc No. FM0546) for more information.

Learning the Gas Detector onto a SayPhone 21...



1. Turn the SayPhone 21 off, re-apply power and the front light will flash **RED/AMBER/GREEN**.
2. When the light is flashing press the **GREEN** ● and **GREY** ▼ buttons together, the display will show **Learn Trigger – Radio Learn**. Press the **RED** ● button to confirm.
3. Press the **Test/Hush** button on the gas detector for more than 20 seconds then release – the SayPhone 21 will announce “**Gas**” and the display will prompt you for a **Device Location**.
4. Use the **GREY** ▲▼ buttons to select the appropriate 2 digit device location code (listed in the SayPhone 21 installation manual) then press the **RED** ● button to confirm.
5. The display will change to show **Trigger Message** – press the **RED** ● button several times to exit this mode.
6. Press the **GREEN** ● button on the SayPhone 21 and wait for about 12 seconds until the front light goes steady **GREEN**.
7. Check with the Control Centre that it is convenient to perform a test call, press the **Test/Hush** button again and confirm they receive the correct call type.
8. See the SayPhone 21 installation & programming guide (Tynetec Doc No. FM0450) for more information.

Learning the Gas Detector onto a Reach or Reach Plus...



1. Press and hold the **GREEN** ○ button until the Reach announces “**Trigger Radio Device**” and the front light starts flashing **GREEN**.
2. Press the **Test/Hush** button on the gas detector for more than 20 seconds then release – the Reach will announce “**Gas**”.
3. Press the **GREEN** ○ button to exit the learn mode.
4. Check with the Control Centre that it is convenient to perform a test call, press the **Test/Hush** button again and confirm they receive the correct call type.
5. See the Reach installation & programming guide (Tynetec Doc No. FM0621) or the Reach Plus installation & programming guide (Tynetec Doc No. FM0662) for more information.

Learning the Gas Detector onto an Advent xt...



1. Press the **LINE** key on the Managers DECT telephone and wait for the “**Ready**” prompt.
2. Enter **5 0 0 0** followed by the * key.
3. Enter the flat number the gas detector is being installed in followed by the * key.
4. Press the **Test/Hush** button on the gas detector for more than 20 seconds then release – wait for the “**Enter Location Code**” prompt.
5. Enter the appropriate 2 digit location code (listed in the Advent xt user guide) or press # and wait for the “**Pendant Enabled – Enter Flat**” prompt.
6. Press the # key to exit the mode followed by the **LINE** key to clear the connection.
7. Press the **Test/Hush** button again and check the correct call type is reported.
8. See the Advent xt user guide (Tynetec Doc No. FM0420) for more information.

Learning the Gas Detector onto an Altec Response...



1. From the main menu display select → **Radio Devices** ← and press the **ENTER** key.
2. Press **ENTER** again and the display will prompt you to “**Trigger the Sensor**”.
3. Press the **Test/Hush** button on the gas detector for more than 20 seconds then release – the display will show the device type and its 8 digit ID number.
4. Press the ▼ key to select → **Accept** ← then press **ENTER**.
5. The display will show ← **Flat** →, use the ◀ & ▶ keys to choose the dwelling type from the list.
6. 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.
7. Press the ▼ key and the display will show ← **No Location** →, use the ◀ & ▶ keys to choose the device location from the list.
8. Press the ▼ key several times to select → **Exit** ← then press the **ENTER** key.
9. Press the **Test/Hush** button again and check the correct call type is reported.
10. See the Altec Response user guide (Tynetec Doc No. FM0548) for more information.

Tynetec operates a policy of continuous improvement and reserves 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