

Natural Gas (methane) Detector



69005/10

Welcome to the Natural Gas Detector.

This guide is for use with the Natural Gas (methane) Detector, Tunstall part number 69005/10.

What is the Natural Gas Detector?

The Natural Gas Detector has an integrated 869 MHz radio module. The unit is mounted on a wall bracket - with moulded screw holes. The product has been assembled and programmed to simplify installation.

How to install the Natural Gas Detector

We recommend the installation to be carried out by competent personnel as an incorrect detector installation position can reduce the detector's effectiveness.

1. Decide on the location of the Natural Gas Detector and ensure it meets the guidelines of the manufacturer's manual found inside the box.
 - i. Methane gas is lighter than air and will tend to rise upwards; in order to maximise the effectiveness of the detection the unit should be placed 30cm from the ceiling.
 - ii. The detector should not be installed close to cooking appliances, sinks, fans and in areas where environmental conditions differ from those recommended and specified in this document.
2. Drill two holes to line up with the key-slot holes in the wall mounting bracket, securely fit two screws and leave the heads of the screws protruding from the wall for the wall plate to fit onto.
3. The Gas detector must be installed by a competent person qualified to carry out electrical work according to current national wiring regulations.
4. The installer should refer to the current edition of the European Standard EN 50244 "Electrical apparatus for the detection of combustible gases in domestic premises – Guide on the selection, installation, use and maintenance."

5. The installation must include some form of isolation switch to allow for future maintenance work.
6. All necessary care should be taken to ensure that the unit cannot be disconnected accidentally.
7. Once connected to the mains the gas detector needs a warm-up period of 3-4 minutes, after which the unit will work.

DO NOT REMOVE THE COVER FROM THE NATURAL GAS DETECTOR WHEN THE DETECTOR IS CONNECTED TO MAINS POWER.

Pairing the Natural Gas Detector to a Tunstall Lifeline.

1. Place the Lifeline home unit into telecare sensor assign mode by pressing the green cancel button until the unit beeps and/or announces 'Programming Mode', then press and hold the green cancel button again until the unit beeps, release the cancel button and the unit will announce 'Registration Mode' .
2. Generate a radio transmission from the Natural Gas Detector by placing the magnet (supplied in the box) adjacent to the Detector at the point labelled "MAGNET". The Lifeline will announce "Gas Detector" to confirm pairing was successful.



3. Once pairing has completed and the Natural Gas Detector has finished its warm-up period; an end-to end test can be performed using the following method:

End to end test:

1. To test the detector's correct functioning and to ensure the successful pairing with the Tunstall Lifeline; use a certified mixture of sample gas and by verifying that the Lifeline announces and raises an alarm. Using a gas bottle with maximum concentration of 25% LEL Methane balanced in air and set the gas flow at 0.5 litre/minute max (Speciality Gas UK, www.speciality-gases.com, supplies such gas bottles).

DO NOT USE THE GAS OF LIGHTERS TO TEST THE OPERATION OF THE DETECTOR, AS THIS LIGHTER GAS WILL IRRETRIEVABLY DAMAGE THE BUILT IN SENSOR.

Write the 'replace by date' on the label of the Natural Gas Detector.

(Note: Natural Gas Detector should be replaced after 4 years of service).

Maintenance and Inspection:

The Natural Gas detector should be maintained and inspected at regular intervals in line with the manufacturer's manual.

Service Information

The Natural Gas Detector contains no user serviceable parts. The radio module contains a Lithium battery, which has an expected life of up to 4 years (typical usage). This battery is not user-replaceable. **The radio module will raise a low battery** alert at the end of its life.

When disposing of the Natural gas Detector at the end of its life, please follow local disposal advice.

Important information – Please read the manufacturer's manual (found within the box) and this document before installing the Natural Gas Detector.

Transmitter Parameters

Radio Frequency: 869.2125MHz

Radiated Power: Less than 1 milliwatts

Area of use: Europe

Environmental Group: Group II – Indoor in general

Declaration of conformity

Tunstall declare that the radio equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following address:

uk.tunstall.com/approvals

tunstall.com

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Tunstall Healthcare Group Limited, Whitley Lodge, Whitley Bridge, Yorkshire DN14 0HR Tel: 01977 661234 Fax: 01977 662450 Email: enquiries@tunstall.com

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ATTENTION! If an alarm occurs:

In case of alarm please keep calm and carry out the following actions, not necessarily in the order given:

1. Turn off the gas supply at the gas main control and/or the storage tank
2. Do not switch on lights or electric appliances
3. Extinguish free flames
4. Open doors and windows to increase ventilation
5. Leave the home and issue an alarm if it is not possible to detect the cause of the gas leak. Should the alarm continue, and the cause of the gas leak cannot be identified or isolated evacuate the building immediately and from outside call the emergency services.

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