

Triple+ NGL™ Gas Sensor installation and usage guide

P/N: NGL-SM-00-L-EU-011, NGL-SM-00-N-EU-011

◆ Welcome

Thank you for choosing Triple+'s wireless NGL™ (No Gas Leak) system designed to detect leaks of explosive gasses and prevention of subsequent damages. The Triple+ NGL™ system will give you peace at home and away.

◆ Please note

Please read through the instructions carefully and follow the steps of the system's installation and commissioning. Please maintain this document in a safe place for future reference.

When in any doubt, contact your authorized distributor or installer.

⚠ Warning! The act of Shut-off employs a powerful coil. Do not activate the Shut-off device if not connected to a gas cylinder valve since such an action may cause the product to experience a malfunction.

⚠ Warning! The product includes moving parts. Remove your fingers or other objects from moving parts.

◆ Compliance to standards

This product is designed to detect only Liquefied Petroleum Gas (LPG) or Natural Gas (NG.) It should not be used for detection of other gasses or fire.

Complies with standards: CE-EN 300 | CE-EN 50270 | CE-EN 20194
CE-EN 301 | ISO 9001

◆ System description

The Triple+ NGL™ system for wireless detection and prevention is designed for detection of gas leaks and disconnects the gas supplies by way of wireless communication.

Each installation can include up to 6 various detectors, when one of them is defined as a main detector (MASTER) upon installation, and one Shut-off unit installed on the gas valve.

⚠ Warning! The system should be routinely checked. Please ensure easy user access to the TEST button.

The system complies with standards according to which in case of detection of a gas event, sensor malfunction or power failure, the gas will be shut off due to safety until the cause of the event is identified and the safety issue isolated. The system includes manual override to address such situations. Read with care the system operation method in the event of power failure.

In case of an alarm or a smell of gas without an alarm, stay calm and perform the following actions, net necessarily in the following order:

1. Extinguish every open flame or smoking substance.
2. Shutdown all gas devices.
3. Do not turn on or off any electric device, including the gas detection device.
4. Turn off the gas supply in the gas main control unit and/or the storage tank.
5. Open doors and windows to ventilate the area.
6. Where gas is suspected to be present, use of a phone is prohibited.

Should the alarm persist and the leak cause is unclear and/or cannot be repaired, evacuate the compound and **notify immediately** the gas provider and/or emergency services.

If the alarm stops for any reason and its cause of activation is identified (for instance, a gas valve activated while a burner is out), after stopping of the

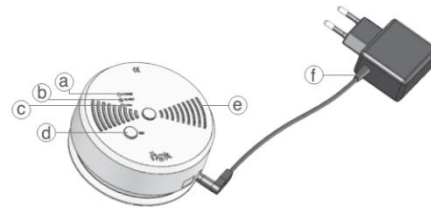
gas release and verification of shutting down of all the devices, the operation of the main gas supply may be restored.

◆ Kit's content

- A. Detector.
- B. Transformer.
- C. Usage and installation guide.

◆ Detector description

- a. The green power light means that the sensor is activated and properly operating.
- b. The red warning light indicates gas leak detection.
- c. The green communication light indicates proper communication between the detector and the Shut-off unit.
- d. Test button
- e. Audible alarm.
- f. Power supply.



◆ Detector specification

Part No.	NGL-SM-00-L-EU-011, NGL-SM-00-N-EU-011
Gas calibration	Liquefied Petroleum Gas (LPG) - Butane Natural Gas (NG) - Methane
Dimensions (in mm)	40 by 110 Ø
Weight	175 gram
Operation voltage	5 V
IP code	53
External adapter (included)	110 - 240 VAC
Nominal operation current	500 mAh
Work temperature	0 to 50°C (32 to 122°F)
Relative humidity	20 to 80%
Self-test	Yes

◆ System installation

The installation is designed for one gas valve and at least one gas detector. It is recommended to test the existing valve for normal operation before installation and to replace if required.

If required, cutting out or replacement of valves should be performed only by a skilled and authorized technician.

◆ Required equipment

Drill, hammer and screwdriver. For each installed part: 2X5mm screws and mason's studs.

◆ Detector(s) installation

The location of the gas detector depends of the type of gas used. Better communication can be achieved by maintaining a direct line of sight between the various system components. Before performing the installation, please note the detector location recommendations.

Natural gas is lighter than air; hence the detector should be located over the topmost window or door aperture, but no more than 30 cm beneath the ceiling level.

Liquefied Petroleum Gas (LPG) is heavier than air; hence the detector should be located below the level where a potential gas leak may occur and no more than 30 cm above floor level.

The NG or LPG detector should be located 1 to 4 meters from the gas device

◆ Places where the detector should not be positioned

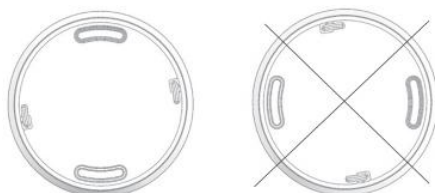
- In a cabinet or in any closed compound.
- Where unit ventilation may be obstructed by curtains or furniture.
- Where dirt and dust may accumulate and block the sensor, preventing its operation.
- Where there is humidity and moisture.
- Directly over cooking installations.
- Directly over sinks.
- By a door, window or any other place that may be subject to drafts such as an air extraction fan or ventilation aperture.
- Anywhere out of a structure.
- Where temperatures may drop below zero degrees centigrade or exceed 55 degrees centigrade.
- Where it may be subject to impact or damage.

◆ Detector installation stages

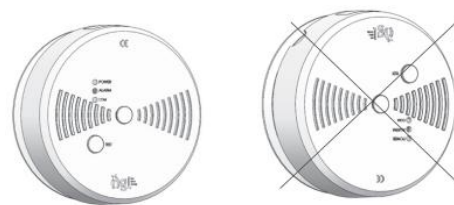
1. Locate a power outlet complying with the requirements of setting up a detector. Make sure that the electric cable of the adapter can be freely attached in the location desired for the detector.
2. Take the electric adapter and detector out of the box.
3. Remove the detector mount.



4. Position the mount of the wall.
5. Mark the mount's two holes on the wall.



6. Drill two holes, using a wood or concrete drill or used drywall studs.
7. Attach the detector's mount to the wall using 2 x 5mm screws.



8. Attach the detector onto the mount and turn it slightly to the right until it is locked into its place.
9. This is how the result should be.



10. Connect the detector to the power outlet and ensure that all 3 LED lights turn on and a clear beep sound is heard.
11. For the time being, until the Shut-off unit is installed, disconnect the power.

◆ System component synchronization and activation

The process begins when the battery is installed within the Shut-off unit.

For detailed instructions, refer to the System Installation Guide (P/N: NGL-INST-001E).

Please visit www.tripleplus.io/support for warranty, technical support, and self-solving tools.

NGL-SM-IN-001E