

## Triple+ NGL™ Shut-off Unit installation and usage guide

P/N: NGL-SH-001, NGL-SH-SA38-001, NGL-SH-SA12-001, NGL-CSH-001, NGL-CSH-SA38-001, NGL-CSH-SA12-001

### ◆ 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 of mind when at home and out of it.

### ◆ 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 the 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.

### ◆ 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.

The system complies with the 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:

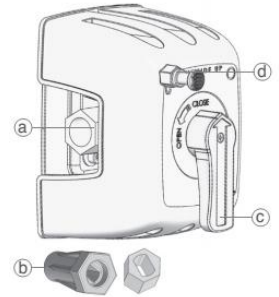
1. Extinguish every open flame or smoking substance.
2. Shutdown all gas devices.
3. Do not turn on or off any electric device, including the gas detection device.
4. Turn off the gas supply in the gas main control unit and/or the storage tank.
5. Open doors and windows to ventilate the area.
6. Where 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. Shut-off device.
- B. Valve adapters.
- C. CR123 battery.
- D. Usage and installation guide.



### ◆ Shut-off unit description

- a. Main gas unit
- b. Adapters (installed in the main gas unit)
- c. Closing/Opening handle
- d. Button for manual release to OFF status

### ◆ Shut-off unit specification

Part No.	NGL-SH-001, NGL-SH-SA38-001, NGL-SH-SA12-001, NGL-CSH-001, NGL-CSH-SA38-001, NGL-CSH-SA12-001
Battery life	Up to 3 years
Dimensions (in mm)	Height: 110 (131 when with clutch), length 145, width 100
Weight	375 gram
IP code	13
Power supply	3V battery (CR123)
power failure situation management	For further details read hereunder
Work temperature	0 to 50°C (32 to 122°F)
Relative humidity	20 to 80%
Main RF	433 MHz
Closing profile (NM)	Linear, open - 4; closed - 2

### ◆ 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 two mason's studs.

### ◆ Shut-off unit installation

The system effectiveness relies on communication quality. Better communication can be achieved by maintaining a direct line of sight between the components. The Shut-off unit should not be installed in closed metal cases, as it may reduce the effective range of communication.

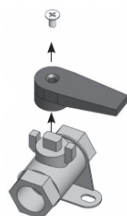
### ◆ Prior to installation, please verify that

- There are no metal cabinets around the Shut-off unit, since this may influence the radio transmission range.
- There is no danger of flooding or water splashes.
- Easy access to the handle and release button for adults, and access prevention for children.

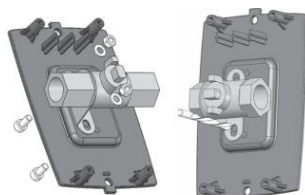
## ◆ Shut-off unit installation stages

If you purchased a Shut-off unit that includes a gas valve, installation should be performed only by a skilled and authorized technician.

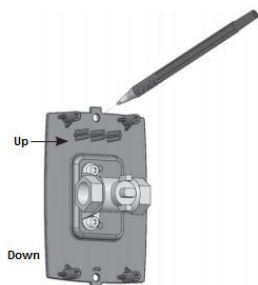
1. Make sure that the Shut-off unit is in closed state during installation.
2. Make sure that the gas tank is closed and gas is not flowing.
3. Connection of the gas valve to the base.
  - a. If the gas valve is wall mounted, unhook its connections to the wall.
  - b. Remove the gas valve original handle.



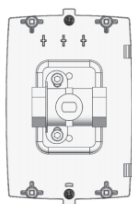
- c. Position the base behind the gas valve and mark the gas valve connection holes.
- d. Drill 2 holes in the Shut-off unit base in accordance with the gas valve type.
- e. Attach the gas valve to the base using 2X5mm bolts and nuts.



4. Attachment of the base to the wall:
  - a. Position the base on the wall and mark on the wall the locations for the two holes.



- b. Mark the connection holes between the base and the wall.
- c. Drill 2 holes using a concrete or wood drill or drywall studs.
- d. Position the studs.
- e. Attach the assembled base to the wall.



5. Shut-off unit connection.
  - a. Make sure that the handle is in closed state.
  - b. Use the relevant adapter - 3/8" or 1/2".
  - c. Insert the battery in the correct direction into the Shut-off unit and check the following:
    - i. The green LED indicator lights up.
    - ii. The engine shifts 180° and makes a clear sound - setting of the baseline.
    - iii. Note that the battery insertion resets the synchronization of the detectors with the Shut-off unit.
    - iv. Assemble the Shut-off unit unto the base.
  - d. Ensure that the adapter is fixed into position.
  - e. Tighten the lid with 4X5mm bolts.
  - f. Turn the handle to ON state and test its lock.



- g. Test the manual release button.

**Warning!** Clear fingers and objects from moving parts.

## ◆ 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](http://www.tripleplus.io/support) for warranty, technical support, and self-solving tools.

NGL-SH-IN-001E