Triple+
Detect. Connect. Protect.

Triple+ NWL™ Shut-off Unit installation and usage guide

P/N: NWL-IV-SL34-0-01, NWL-IV-SL12-0-01

♦ Welcome

Thank you for choosing Triple+'s wireless NWL™ (No Water Leak) system designed to detect water leaks and prevention of subsequent damages. The Triple+ NWL™ system will give you peace of mind 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 product includes moving parts. Keep your fingers or other objects away from moving parts.

♦ Compliance to standards

The product complies with standards: CE-EN 50270 | CE-EN 300 | CE-EN 301 | ISO 9001

♦ Technical specification - Triple+ NWL™ system:

Background: The system for prevention of leak and subsequent damages shuts down the water supply using wireless communication.

The system is designed to minimize potential flooding damages by shutting down the water supply when the site is inactive and/or when a flooding indication is received.

Each system is comprised to a Shut-off unit (valve) installed on the main water supply pipe, a flood detector (one or more) and a control unit overseeing the opening and closing of the valve.

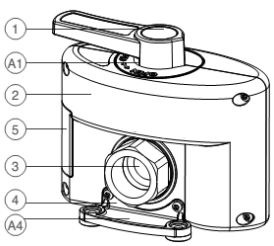
The system presents before the user a simple and clear indication of the valve's state (open or closed). In addition, the Shut-off unit can be controlled and the valve can be opened and closed in a deliberate action. The water system is designed for internal use and should be installed by an authorized technician.

♦ Shut-off unit specification

Part No.	NWL-IV-SL34-0-01, NWL-IV-SL12-0-01
Product description	The Shut-off unit is installed on the main water supply pipe and is intended to control the water flow within the pipeline. **Note**: Using standard plumbing adapters, the unit can interface various pipe diameters
Dimensions (mm)	124X102X74
Weight (grams)	740
Power supply	Two 3V batteries (CR123)
Operation voltage	3V
Battery life span	Up to two years, subject to the usage profile and valve use frequency
Operating RF	433 MHz
Transmission range	Open space - up to 30 m When a wall is within the space - up to 12 m To avoid limiting the wireless communication, avoid installation within metal cabinets.
Standards	CE-EN 50270 | CE-EN 300 | CE-EN 301 | ISO 9001
Working temperature	0-50^{0}C

♦ Shut-off unit description

1. Closing/Opening handle.
1A. Close/Open indication.
2. Shut-off unit (valve) body.
3. Entry/ exit 3/4" adapter.
4. Base for non-wall mounted valve
4A. Base for wall mounted valve
5. Battery housing: 2 X CR123.



♦ Shut-off unit (valve) installation

Installation and/or replacement of a battery should be performed by authorized personnel.

- The Shut-off unit should be located on the main water line incoming into the structure.
- The system should not disconnect a fire extinguishing line or a sprinkler line.
- Ensure easy access to the battery housing (opened with a screwdriver) - ensure a minimal access space of 30 cm.
- The unit should be installed with the handle on top and horizontal.
- Manual opening and closing of the valve handle should be possible after installation.
- The marking of the valve's status (Closed/Open) should be clearly read after installation.
- To ensure effective communication, ensure no more than 12 meters and a wall or 30 meters within a structure between the controller and the valve and that the units (controller and valve) are not positioned within metal cabinets. Otherwise, setting up a relay should be considered.

♦ Places where the detector should not be positioned

- Within a metal cabinet or anywhere that might influence wireless communications.
- Where dirt or a foreign object may obstruct the valve's operation.
- Where the temperature exceeds the range between 0 and 55 degrees centigrade.
- Where there is an apprehension of being hit or damaged.
- In an external place where exposed to rain and/or direct sunlight.
  In such a case, the unit should be installed in a water tight plastic casing.
- Where there is moisture.

♦ Shut-off unit installation stages

1. Locate the most suitable place for installation on the water line (as indicated above.)
2. Shut down the water supply, using the main valve of the building or site.
3. Dismantle the water line connectors in a way that would leave a gap suitable for installing the 3/4" valve.
4. Install the unit on the water line.
5. Should it would be required to have a flexible water pipe for mounting the Shut-off unit on the wall, dismantle the base unit by removing 4 screws to replace it with the appropriate base unit.
6. Mark the holes' position on the wall, drill and attach 4 studs and screws.
7. Make sure that the manual Shut-off unit can be opened and closed.
8. Enable passage of water in the main line and prevent leaks or drippings.
9. Ensure easy access to the battery housing.
10. If the unit may get wet, install an external protective casing.

♦ 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 Sheet (P/N: NWL-INST-001E).

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

NWL-SH-IN-001E