USER MANUAL

1. System Indication

Antenna (for ProW+, ProW+WiFi)

CLOSED / turn off the alarm signal button

ON button

Power

Battery

Alarm

CR123A CR123A CR123A CR123A

NEPTUN Manual

1. Track the leak location by diodes

2. Turn off the alarm by pressing the OFF button

3. Eliminate the leak source

4. Switch the ALARM signal off by pushing the CLOSE button and make sure that the leak source is eliminated

5. Open the valves by pushing the OPEN button

For complete user instructions, see the website https://www.teploluxe.ru:

sensor lines' information LEDs

OPEN Button

Valve status LEDs (OPEN/CLOSE)
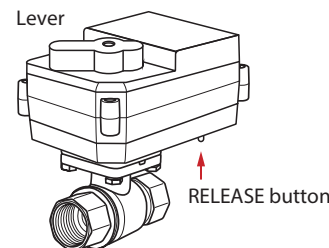
2. Electric Valve Control (OPEN / CLOSE)

Open the valves by pressing the OPEN button. To close the valves, click the CLOSE button.

The taps can opened and closed with an external switch. To connect the switch to the module, see the instructions on the website.

3. Manual Valve Control

In an emergency, such as when a power outage occurs, valves manual opening is possible.
To do this, press the button and turn the lever in accordance with the OPEN / CLOSE position.

Lever

RELEASE button

4. CLEANING Mode

The control module has the CLEANING mode. When it is turned on, the control module does not respond to leakage signals from all sensors for 50 minutes. To enable the CLEANING mode with the valves open, press and hold the OPEN button for 4 seconds. The control module will inform about this mode enabled by blinking of the ALARM LED with a constantly lit OPEN LED.

4 seconds
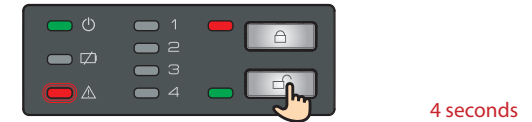
The CLEANING mode will automatically turn off after 50 minutes from the moment it is turned on. You can manually disable the "Cleaning" mode by pressing the "Open" button or when closing the taps using the "Close" button.

5. Actions in Case of Leak

When a LEAK signal is received from the line, from the wire sensor/s or from the radio sensor/s, the control module will put the taps in the CLOSE position and will block the OPEN button, which will be reported by ignition of the ALARM LED (or blinking in case of a signal from the radio sensor), and the corresponding signal source line ALARMLED.

To restore the water supply and to bring the system into the operational mode it is necessary:

1. Disable the sound alarm by pressing the CLOSE button. At the same time, the LEDs will indicate the accident location.

2. Eliminate the cause of the accident.

3. Reset the ALARM state by pressing the CLOSE button again.

4. Make sure that the cause of the accident has been eliminated. Otherwise, repeat step 2.

5. Wipe all sensors dry.

6. Open the power ball valves by pressing the CLOSE button.

SYSTEM SET UP

1. Radio Sensors and Radio Relay Connection
(only for ProW+, ProW+WiFi)

Only one device can be connected at a time - a radio sensor or a radio relay.

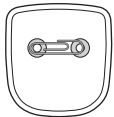**1.1.** Close the valves by clicking the CLOSE button.

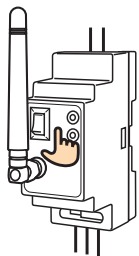**1.2.** Press and hold the CLOSE button for 4 seconds.
Entering the connection mode is confirmed by lighting the line LEDs (1, 2, 3, 4) and a sound signal.

4 seconds

1.3. Connect the sensor contacts close with a paper clip, or another metal object, or a damp sponge
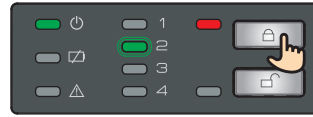
**1.4.** To connect a radio relay, turn it on by pressing button on the body.

Radio relay connection to the module is confirmed by a sound signal and the Line 1 LED blink.

1.5. Choose from four sensor lines. The line is selected using the CLOSE button. Line selection is looped.

1.6. Confirm your selection with the OPEN button. A beep will sound and the line LED/s will blink. The control module will go into the standby mode for connecting the next radio sensor.
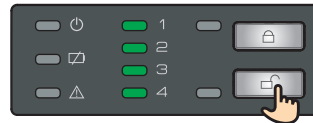
1.7. To exit the connection mode, click the CLOSE button.

2. Removing Wireless Sensors
(only for ProW+, ProW+WiFi)

Up to 32 sensors and one radio relay can be connected to one line.
Also, one radio relay can be connected to indicate a common accident on any line. In this case, the LEDs 1, 2, 3, 4 will light up.

Attention!
All sensors are removed at once!

2.1. Enter the connection mode while holding the CLOSE button for 4 seconds. Entering the connection mode is confirmed by lighting the line LEDs (1, 2, 3, 4) and a sound signal.

4 seconds

2.2. Press and hold the CLOSE button for 6 seconds.

6 seconds

Removing the sensors and the radio relay from the system is accompanied by the disconnection of the line LEDs (1, 2, 3, 4) and a long beep. The module will go into operating mode.

## 3. Testing the Wired Sensor for Monitoring Water Leakage

3.1. Connect the sensor to the control module.
3.2. Using a multimeter, measure the constant voltage between the COMMON (green) and SIGNAL (yellow) terminals.
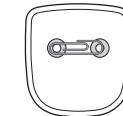**3.3.** Connect the sensor contacts with a metal object, e.g. with a paper clip
3.4. The voltage should drop.
The voltage of a dry sensor in the working condition is higher than the voltage of a wet sensor.
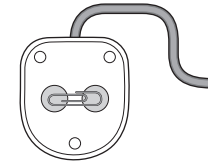
4. Checking the Radio Sensor Signal Level
(only for ProW+, ProW+WiFi)

1. Connect the contacts of the sensor pair for no longer than 2 seconds.

2. Open the sensor pair contacts.
3. The radio sensor's red LED lights up, confirming the radio communication with the control module.
4. The LED turns off.
5. The sequence of LED flashes will show the signal level:
   - 3 flashes - excellent signal strength;
   - 2 flashes - a good signal level;
   - 1 flash - a satisfactory signal level;
   - 0 flashes - communication with the control module is not established.

Attention!
If the radio sensor has not been connected to the control module or the control module is in the OFF state, the signal level will always be none.