



LEAKAGE SENSOR

# VEGA DP-1

## User Manual

Leakage sensor is used to determine the flooding of the residential, office and industrial premises.

Sensor is used in addition to radio modem or any other device with the security circuit triggering on closure

## Document Information

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This document applies to the following products:

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## INTRODUCTION

This manual is designated for Vega DP-1 device (hereinafter – sensor) manufactured by Vega-Absolute OOO and provides information on powering and activation procedure, control commands and functions of the device.

This manual is targeted at specialists familiar with installation work fundamentals for electronic and electrical equipment.



**The device shall be installed and adjusted by qualified specialists to ensure proper operation of the device**

Vega-Absolute OOO reserves the right to make changes to the manual related to the improvement of equipment and software, as well as to eliminate typos and inaccuracies, without prior notice.

## 1 DESCRIPTION AND OPERATION

The Vega DP-1 leakage sensor is designed to determine the fact of flooding of any premises.

The leakage sensor can be used with equipment that has a security circuit triggering on short circuit.



Vega DP-1 has a convenient mounting hole for mounting to a flat surface.

## 2 SPECIFICATION

### Main

Cable length	2 m
Housing dimensions	56 x 24 x 10 mm
Mounting	on a wall

Scope of the leakage sensor Vega DP-1:

- Control in rooms where there is a risk of water leakage
- Control of flooding of equipment and communications
- Smart Home systems
- Triggered by closing the contact circuit in any environment

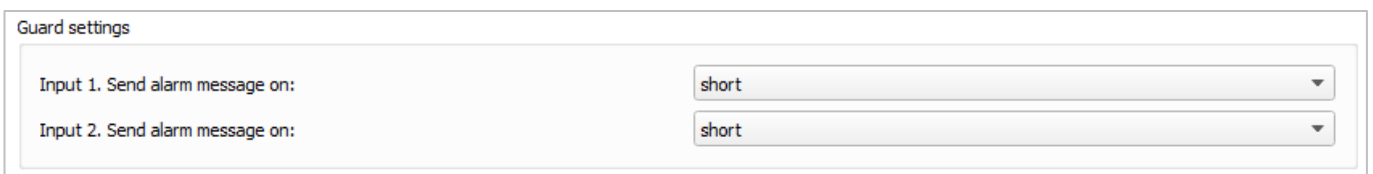
### 3 OPERATION

#### CONNECTING TO THE SECURITY CIRCUIT

The leakage sensor is connected to the security circuit of any end device. In the Vega radio modems lineup there are the following devices with security contacts:

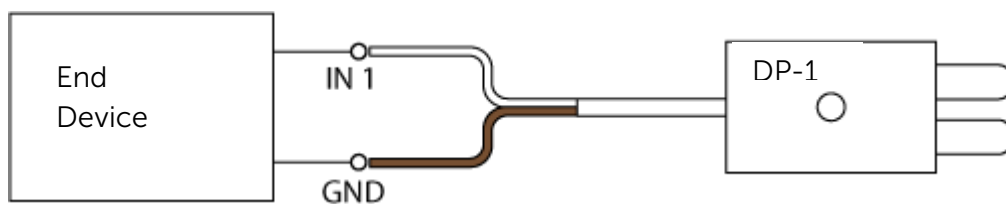
- Vega SI-11;
- Vega SI-12;
- Vega SI-13-232;
- Vega SI-13-485;
- Vega SI-22
- Vega TD-11;
- Vega TP-11;
- Vega M-BUS-1;
- Vega GM-2;
- Vega SH-2;
- Vega NB-11;
- Vega NB-12;
- Vega NB-13;
- Vega NB-14;
- Vega NB-15.

Any of these devices can be used to connect a leakage sensor. To do this, you need to make sure that the security inputs of the corresponding device are configured to operate when short circuit through the “Vega LoRaWAN Configurator” or “Vega NB-IoT Configurator” application, depending on the end device.



For more information about setting security inputs through the application, see the user manual for the corresponding radio modem.

The connection diagram of the leakage sensor to the end device is shown in the figure below.

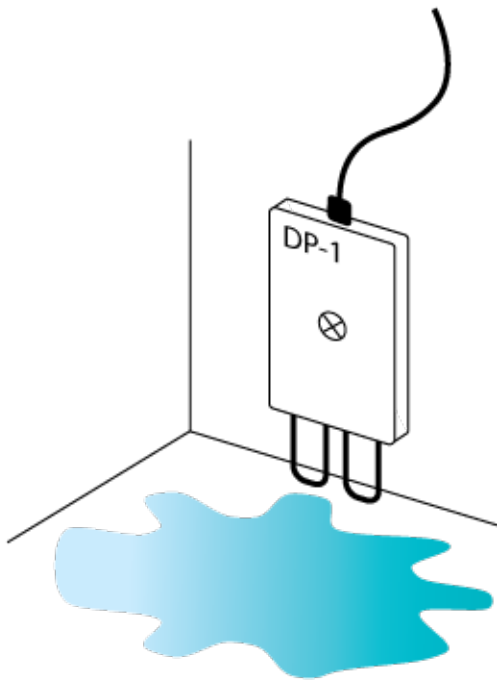


The long cable of the leakage sensor allows you to place the radio modem outside the zone of possible flooding.

## MOUNTING RECOMMENDATIONS

The leakage sensor should be installed in such a way that its contacts primarily touch the flood zone perpendicular to the flooding plane.

Below is an example of installing the sensor close to the wall near the floor. The sensor contacts must touch the floor so that flooding causes the sensor to short-circuit and trigger.





## 4 STORAGE AND TRANSPORTATION REQUIREMENTS

Vega DP-1 shall be stored in the original packaging in heated room at temperatures +5°C to +40°C and relative humidity less than 85%.

The sensor shall be transported in covered freight compartments of all types at any distance at temperatures -40°C to +85°C.

## 5 WARRANTY

The warranty period for the device is 5 years from the date of sale.

The manufacturer is obligated to provide repair services or replace the failed device during the entire warranty period.

The consumer undertakes to comply with the terms and conditions of transportation, storage and operation specified in this user manual.

Warranty does not apply to:

- the device with mechanical, electrical and / or other damages and defects caused by violation of the transportation, storage and operation requirements;
- the device with traces of repair performed not by the manufacturer's service center;
- the device with traces of oxidation or other signs of liquids leaking inside the device.

In the event of a warranty claim, contact the service center:

113/1, Kirova Str., Novosibirsk, 630008, Russia.

Tel.: +7 (383) 206-41-35.



[vega-absolute.ru](http://vega-absolute.ru)

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