**OPERATING MANUAL**

**FLOOD SENSOR**

**FGFS-101-USA-A-v1.00**

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**I. GENERAL INFORMATION ABOUT FIBARO SYSTEM**

Fibaro is a wireless network, based on Z-Wave technology. Fibaro provides many advantages compared to similar systems. In general, radio systems create a direct connection between the receiver and transmitter. However, the radio signal is weakened in various obstacles located in path (such as walls, furniture, etc.) and in extreme cases it fails to transfer required data. The advantage of Fibaro System is that its devices, apart from being transmitted and signal receiver, also duplicate signal. When a direct connection path between the transmitter and the receiver cannot be established, the connection may be achieved through a device that receives signal and retransmits it to the receiver. This element is associated with its own LED diode, which indicates that the signal is correctly transmitted. Fibaro is a bi-directional wireless system. This means that the signal is not only transmitted to the receiver, but also the receiver needs the confirmation of its reception. This operation confirms their activity, which checks whether they are active or not.

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**SPECIFICATIONS**

**Power Supply:** 12 - 24 VDC

**Battery Type:** CR123A

**Power Consumption (at VDC operation):** 0.4 W

**Output terminals maximum current:** 750 mA

**Temperature measuring accuracy:** 0.5°C (within 0 - 40°C range)

**Output terminals maximum current:** 250 mA

**Radio protocol:** Z-Wave

**Power Supply:** 24VDC / 20VAC

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**II. Z-WAVE NETWORK INCLUSION**

Use the following procedure to include the Fibaro Flood Sensor into the Z-Wave network.

1. Set a main controller into learning mode (see main controllers operating manual).
2. Connect the Fibaro Flood Sensor into the Z-Wave network via its terminals observing wiring diagram no.2.
3. Set a main controller into learning mode (see main controllers operating manual).
4. Connect the Fibaro Flood Sensor to the Z-Wave network.
5. Include the Fibaro Flood Sensor into the Z-Wave network.

**VI. FIBARO FLOOD SENSOR RESIST**

Repeat procedure deletes device's memory, including all information on the Z-Wave network. As a result, device will be reset to its original state (in case that it was included in Z-Wave network). This procedure can only be performed when the device is powered by AC source. To remove device from the Z-Wave network, please connect it to the AC power source for more than 2 minutes. Device will automatically be deleted from the Z-Wave network.

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**EXCLUSION - ALARM**

In case the Sensor is not detected, proceed to the manual inclusion procedure.

**NOTE**

Even if the Sensor is not detected, proceed to the manual inclusion procedure described below or reset the Sensor and repeat inclusion procedure.

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**DIAGRAMS' DESCRIPTION:**

Fig. 3 - Flood sensor's contacts

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**FIBARO FLOOD SENSOR**

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**Technical Information**

**CAUTION**

- **Not compatible with any Z-Wave network controller.**
- **May be connected to any alarm system controller (only one output terminal).**
- **Extremely easy installation - simply put on a surface prone to flooding.**
- **Radio systems create a direct connection between the receiver and transmitter.**

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**V. POWERING MODE INFORMATION**

There are two powering modes for the Fibaro Flood Sensor. By default it is powered by battery, but it can be switched to VDC powering mode. In addition to it is set to work with a constant power source, it also can be powered from an external, VDC power source. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm.

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**VI. BATTERY TIPS**

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**NOTE**

- **Operational temperature in VDC powering mode:** -20°C to 70°C

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**VII. ASSOCIATIONS**

Through an association Fibaro Flood Sensor may control and monitor other Fibaro Z-Wave devices. Operation of the Fibaro Flood Sensor is being described in the following section. The current level battery status is presented in the Home Center 2 interface. Battery icon shows battery's level of charge. Each device has its own configuration menu. The Fibaro Flood Sensor allows for the associations of three groups. The current level battery status is presented in the Home Center 2 interface. Battery icon shows battery's level of charge.

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**Fibaro Flood Sensor**

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Fibaro Flood Sensor has two sensors built-in - flood and temperature sensors, monitoring temperatures of up to 40°C. Fibaro Flood Sensor is designed to be placed on the floor or wall with a flood sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm. In addition, the sensor is equipped with a tilt sensor reporting any movement to the main controller e.g. when someone has taken the Sensor sensor probe extended by connected wire. The device has built in LED indicator and acoustic alarm.

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Fibaro Flood Sensor is equipped with a LED diode, switching sensor's operating modes and alarms. In addition, the LED indicator may inform of the VDC powering mode and the current temperature.

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