I General Information on the Fibaro System:

- Each Fibaro network has its own unique network identification number (for future and allows for further development. For more information go to www.fibaro.com).
- Fibaro is a bidirectional-wireless system. This means the signal is not only sent to the receiver, but also the receiver sends feedback to the transmitter about the condition of receivers, which allows us to check whether or not a device has actually been switched on. The re-attitude of transmission of the Fibaro System is comparable with a wired bus systems. Fibaro operates in the free band for data transmission. The frequency of the radio regulations in each individual country.

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Although the Z-Wave technology is fairly new, it has already been accepted as an official standard, just like Wi-Fi, numerous manufacturers from various fields offer solutions based on Z-Wave technology compatible with one another. This makes the system fit for the future and allows for further development. For more information go to www.fibaro.com.

Fibaro establishes a dynamic network structure. From the moment of startup, the location data of respective devices of the Fibaro System is updated automatically, in real time, by confirming their condition in the working mesh network.

II Sensor Installation:

1. Connect Fibaro Door/Window Sensor according to the appropriate diagram (diagram 4).
2. Place battery inside the Sensor’s casing.
3. Mount the Sensor.

EXPLANATION OF CONDUCTOR MARKINGS:

- TMP - Target button. Defaults: remove, trapping etc. Used also as a service button, to include/exclude the device from the Z-Wave network.
- IN - Potential-free input.
- TD (DQ) - Power out for DS18B20 temperature sensor.
- TMP - TEMP_DATA - Signal terminal for DS18B20 temperature sensor.
- GND - Ground terminal.

I Technical Information:

- Power supply single ER14250 (1/2AA) 3,6V battery.
- Inputs single, potential-free.
- Supported temperature sensors single, DS18B20.
- Operating temperature 0 - 40 °C.
- Radio protocol Z-Wave.
- Radio frequency 915 MHz US, 921.4 MHz AU/NZ.
- Range up to 30m indoors, depending on building materials used and the building structure.
- Dimensions (L x W x H) 76 x 17 x 19 mm.

Technical information:

- Controlled via: Fibaro System components or any other Z-Wave compatible controller.
- Operates via opening detected through Sensor’s body and a magnet.
- Quick installation - easily mounted on doors, windows, garage gates, blinds etc. using double sided adhesive tape or screws.
- Compatible with Z-Wave ISOBUS temperature sensors.
- When connecting DS18B20 zone will be incremented with no sound.
- May be connected to a switch via potential-free IN input.

I I General Information on the Fibaro System:

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V Configuration

Wake up interval (battery mode)

Parameter no. 7

Value of the parameter specifying the level of dimming/operation range rollers when ‘switch on/off’ command is sent to devices on an association group no. 1.

Available value: 255 Parameter settings: (1 – 255)

In case of alarm frame an alarm priority is specified.

Default value 255

Schedule option: 0

- functional priority not specified 1

- functional priority specified

The device offers the possibility of sending commands compatible with Common class data activation information (type 1) to devices assigned to association group no. 1.

Controllers such as the Home Center 2 are able to interpret such information and respond to it accordingly. It is possible to send such information, which specific scene IDs have been assigned to, to the user's device. If a user receives an activation request of a device, the controller will initiate the process of sending command frames to the device (e.g., via the Z-Wave bus) in the manner described below. The user may then choose to accept or reject the activation request;

- if the data contained in such information are not interpreted by the controller, it will not be able to send command frames to the device. The controller will also be able to determine if the device has been associated with an alarm or control function and, in that case, trigger the alarm or control function.

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The following procedure shall be equal to the guarantee period of the original guarantee for both the claims and in the case of the device under warranty.

VI Additional Functionality

Alarm Frame Support.

The Fibaro System allows you to set the device's reaction to alarms generated by the system. The Door / Window Sensor sends alarmed frame of different types, such as: – type 1 – ALARM SMOKE frame (value of 1 should be entered), to trigger the smoke detector alarm correctly. – type 2 – ALARM HEAT frame – type 3 – IN broadcast mode inactive, TMP broadcast mode active – type 4 – DS18B20 is working properly

VII Door / Window sensor operation

The Fibaro Door/Window Sensor may be operated:

- in a system compatible with Z-Wave (e.g., Home Center 2 – controller) – via Z-Wave compatible interfaces – via cellular phone (e.g. iPhone or phones from other manufacturers, e.g., Samsung, HTC, Sony) – via tablets (e.g., iPad)

VIII Procedure to be followed in case of interference

The Device does not react to a programmer command:

- makes sure the maximum range has not been exceeded and there are no interferences between the Z-Wave networks. The reports on any Z-Wave networks that might be interfering with the device, via the Z-Wave bus, in a manner described below. The device's reaction to such information is sent in reports on parameters no. 1 and 255, on the TP button. (ILI or TP button).

The device is not in the learning mode.

IX Guarantee

1. The Guarantee is provided by FIBARO GROUP Sp. z o.o. (hereinafter referred to as the “Manufacturer”), 10, Plac Wolności, 02-420 Poznań, registered in the National Court Register as no. KRS 0000387708, at the Republic of Poland, Department of the National Register, no. 571/591, REGON 330599999.

2. The Manufacturer is responsible for equipment malfunction caused by defects in materials or workmanship, as the result of the manufacturer's responsibility for the Device for 12 months from the date of its purchase.

3. During the Guarantee period, the Manufacturer shall remove any defects, free of charge, by repairing or replacing (at the sole discretion of the Manufacturer) any defective components of the Device with new or regenerated components, that are free of defects. When the repair is impractical, the Manufacturer reserves the right to replace the device with a new or regenerated component, which shall be the sole remedy. If the Service is performed by the Manufacturer, the Manufacturer reserves the right to return the original device owned by the Customer.

4. In special cases, when the device cannot be replaced with the same type of the same model (e.g., the Device was replaced due to a fault in the Z-Wave bus, for reasons described in the commercial offer), the Manufacturer may replace it with a different model, which will be a substitute for the original device, if the Manufacturer considers it appropriate. Such activity shall be considered as fulfilling the obligations of the manufacturer's responsibility for the Device. The Manufacturer reserves the right to remove any defects, by repairing or replacing (at the sole discretion of the Manufacturer) any defective components of the Device with new or regenerated components, that are free of defects. When the repair is impractical, the Manufacturer reserves the right to replace the device with a new or regenerated component, which shall be the sole remedy. If the Service is performed by the Manufacturer, the Manufacturer reserves the right to return the original device owned by the Customer.

5. The scope of the guarantee repairs shall include parts that are free of defects. The manufacturer reserves the right to replace the device with a new or regenerated component, which shall be the sole remedy. If the Service is performed by the Manufacturer, the Manufacturer reserves the right to return the original device owned by the Customer.

6. If it is a defect that is covered by the Guarantee, the Manufacturer reserves the right to remove any defects at its sole discretion, replacing the damaged or destroyed part or components necessary for repair or replacement.

The Manufacturer is not responsible for any radio or TV interference caused by this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and uses radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

Legal Notice

All information, including but not limited to, information regarding the functions, features, compatibility and appearance of the Device, is subject to change without notice. Fibaro reserves all rights to review or terminate any document, software, or documentation without any notice. This documentation may contain references to third-party sources of information or services (e.g., “Third-Party Products or Services”). Fibaro does not control the content of these third-party sources, and is not responsible for any damages or claims from third-party sources or any information or content. Referral to any website or any information connected to the Device does not mean that Fibaro endorses or guarantees such website or information. As a result, Fibaro reserves the right to remove such defect at its sole discretion, replacing the damaged or destroyed part or components necessary for repair or replacement.

No license, expressed or implied is granted by Fibaro to any other intellectual property rights granted by this document.

The guarantee shall not exclude, limit or suspend the Customer's statutory rights.

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