The Universal Binary Sensor is a wireless module that makes it possible to embed the functionality of a sensor with a binary output into a system, for example, in the FIBARO system. In this way, it is possible to realize several advantages compared to similar systems. An advantage of the Universal Binary Sensor is that it can be connected to the FIBARO module 4. Motion Detector. Moreover, it can also be connected to the DS18B20 temperature sensor. This means that the sensor can be added to the network by quickly pressing the button on the controller or using the software of the Fibaro system (Home Center). In this way, the sensor can be connected to the Fibaro system and used in the network. The sensor can be added to the Fibaro system by quickly pressing the B button.
**Device parameters:**

Parameter No. 1

Type of input: nc

Default value: 1 – INPUT_NC (Normal Close)

Possible parameter settings: 0 – INPUT_NO (Normal Open)

Parameter No. 2

Type of input: monostable

Default value: 1

Possible parameter settings: 1 – 255 s

Parameter No. 3

Type of alarm frame: for association group 1, activated via input 1

Possible parameter settings: 0 – Frame ALARM GENERIC

Parameter No. 4

Type of input: nc

Default value: 1 – INPUT_NC (Normal Close)

Possible parameter settings: 0 – INPUT_NO (Normal Open)

Parameter No. 5

Type of frame: for association group 2, activated via input 2

Possible parameter settings: 0 – Frame ALARM SMOKE

Parameter No. 6

Type of frame: for association group 2, activated via input 2

Possible parameter settings: 0 – Frame ALARM SMOKE

Parameter No. 7

Value of the parameter specifying the forced level of dimming: opening or closing angles when the command “on/off” is activated

Possible parameter settings: 1 – 255 s

Parameter No. 8

Value of the parameter specifying the forced level of dimming: opening or closing angles when the command “on/off” is activated

Possible parameter settings: 1 – 255 s

Parameter No. 9

Parameter 12

Parameter 13

Parameter 14

Parameter 15

VII Procedure to be followed in the case of interference

The Device may not react to a programmed transmitter:

- Make sure that the maximum range was not exceeded and that there are no obstacles along the signal path and signal reflection surfaces, e.g. metal cabinets, facia board ceiling and ledges, walls.
- Deactivate the transmission of the frame cancelling the alarm or the device deactivation (Basic).
- Repeat the programming process.

VIII Additional functionality

Alarm frame servicing

The Fibaro system makes it possible to set the device’s reaction to alarm events (reaction to the frame SENSOR_ALARM_ALARM REPORT).

- Any alarm that is detected by the Fibaro Sensor is in the form of the frame that contains information about the type of alarm and the current temperature taken from the sensor. If the device does not correctly decode the type of alarm frame for each connected input of the Fibaro Sensor, the device will not react.
- If the “broadcast” mode of information transmission is activated, it is possible to set the appropriate value of the parameter, the following functions are possible:

  - stops the operation of the Fibaro Sensor (using the Home Center 2 device of the Z-wave network, e.g. Dimmer, Switch (ON-OFF), different than the actual number of sensors associated with the Fibaro Sensor. The controller such as Home Center 2 is able to interpret such commands for devices from association groups are always

  - the case of association group no. 1 the information is not sent.

  - the case of association group no. 2 information is not sent.

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The Fibaro Sensor may be operated with the following overview of the Fibaro configuration interface.

- Any compatible with the system (e.g. Home Center 2 device of the Z-wave network, e.g. Dimmer, Switch (ON-OFF), different than the actual number of sensors associated with the Fibaro Sensor. The controller such as Home Center 2 is able to interpret such commands for devices from association groups are always

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For this purpose, the Fibaro Sensor should be configured to send the frame Alarm GENERIC (value of 1 should be entered), to ensure that the remaining devices will correctly recognize information on smoke detector alarm.

VII Sensor operation

The Fibaro Sensor may be operated with the following overview of the Fibaro configuration interface.

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