The Fibaro Smoke Sensor is a universal, optical 2-Wave smoke sensor. Fire alarm is issued by sound, visual indicator and by Z-Wave control command.

**INSTALLATION NOTICES:**
1. When choosing location of smoke sensor, make sure the alarm sound can be easily audible in all rooms of the building.
2. It’s recommended to install the sensor in already decorated, painted rooms.
3. Do not install the sensor in hot areas. Keep at least 0.5m distance from heat sources.
4. Do not install the sensor in places where it could be damaged by ingress of water.
5. Do not install the sensor in places where the temperature exceeds operational values (0-55°C).

**BATTERY TIPS:**
Fibaro Smoke Sensor’s battery life is at least equal to two years.

**BATTERY REPLACEMENT PROCEDURE:**
If a Smoke Sensor has reported low battery level or battery is disabled, 2 signals will arrive: the last one will ask the user to replace the battery.

**GLOSSARY OF TERMS**

- **sensing** - 2-Wave device learning mode, allowing to add the device to existing Z-Wave network.
- **removing** - 2-Wave device learning mode, allowing to remove the device from existing Z-Wave network.
- **association** (linking device) - direct control of other devices within the Z-Wave network.
- **multi-channel** - association of many devices within the Z-Wave network.
- **device state** - the state of Fibaro Smoke Sensor (e.g. smoke detected, ready).
- **multi-channel device** - device having multiple endpoints - various device functions.
- **CR123A** - Lithium battery with 3V nominal voltage, 1450mAh capacity; 12 month battery lifetime if properly used.

**TECHNICAL INFORMATION**

- **Temperature Measuring Accuracy:**
  - 0.5°C (within 0°C - 55°C range)
  - -20 to 100°C
- **Radio protocol:**
  - 869,2 MHz RU;
  - 908,4 MHz US;
  - 868,4 MHz EU;
  - Z-Wave

- **CR123A battery** - suitable for Fibaro Smoke Sensor.

- **CR123A** - Lithium battery with 3V nominal voltage, 1450mAh capacity; 12 month battery lifetime if properly used.

**INSTALLATION:**
1. When handling the sensor, use gloves to prevent electrocuting.
2. Place the sensor on a flat surface (e.g. wall, ceiling) in a location that will not be obstructed by furniture or other obstacles.
3. Install the battery. Visual indicator will signal the Z-Wave network inclusion status.
4. The sensor detects smoke at an early stage of fire, often before flames.
5. Fibaro Smoke Sensor is equipped with dedicated safety mechanism (Fig. 2, Fig. 3) which prevents the enclosure from being damaged.
6. If the fire alarm has been detected, remove the battery from Z-Wave network.
7. The Fibaro Smoke Sensor is designed to be installed on a wall or ceiling. Visual indicator signals fire, operating mode and is used to see if device is within the Z-Wave network. The smoke sensor is designed to operate in confined spaces, under normal conditions (including smoke, dust, condensed water vapor).
XII. ALARMS AND NOTIFICATIONS

The Fibaro Smoke Sensor indicates particular states as follows:

- **VIOLET** - Z-Wave range test
- **WHITE** - Z-Wave range test
- **GREEN** - sending data to associated devices
- **VOLTAGE** - 24V line test
- **YELLOW** - sensor reset

XIV. Z-WAVE RANGE TEST

The Fibaro Smoke Sensor has a built-in Z-Wave network main controller’s range tester. Follow the below instructions to test the main controller’s range:

1. Make sure the sensor is powered.
2. Press and hold the Button for 3 seconds. Visual indicator will glow white.
3. Wait until the visual indicator lights.
4. Release the button.
5. After the software update, self-test should be performed manually (see p. VI) to ensure the device is working properly.

XVI. SOFTWARE UPDATE

The Fibaro Smoke Sensor features remote software update. Complete the following steps to update:

1. Deactivate the sensor from Z-Wave device panel.
2. Download the new firmware.
3. Install the new firmware into the device.
4. After successful installation, power down and power up the device.

XVIII. BATTERY USE WARNING

Fibaro Smoke Sensor is a battery-powered device. Using batteries other than specified may result in explosion. Dispose of properly, observing environmental protection rules.

XIX. GUARANTEE

1. The Guarantee is provided by FIBARO Group Sp. z o.o. (hereinafter referred to as ‘‘Vendor’’) and is valid on the date of its purchasing.
2. The guarantee service is available only if the guarantee claim form (using our website - www.fibargroup.com) in order to obtain claim without charge, by repairing or replacing (at the sole discretion of the Manufacturer) any damages resulting from the use of spurious spare parts or accessories improper for the device. The guarantee does not cover any defects caused by operating faulty Device or accessories. The guarantee does not cover any defects caused by operating faulty Device or accessories.
3. The scope of the guarantee shall cover only periodic maintenance inspections, in particular cleaning, adjustments, calibrated checks, correction of errors or parameter programing and other activities that should be performed by the user or the person who is responsible for the proper use of the device.
4. The Manufacturer reserves the right to remove or deactivate parts or providing components necessary for repair or replacement.
5. The Manufacturer reserves the right to charge the Customer for parts and labor that the Manufacturer may reasonably determine are to be charged to the Customer.
6. If a defect is not covered by the guarantee, the Manufacturer reserves the right to charge the Customer for parts and labor that the Manufacturer may reasonably determine are to be charged to the Customer.
7. The manufacturer of the guarantee service is not responsible for any defects or damage that the Device was provided by the Manufacturer, the guarantee service is provided by the Manufacturer in the original packaging and in technical documentation stated in the guarantee service.
8. If the product provided is inconsistent with the guarantee service, the Manufacturer reserves the right to charge the Customer for parts and labor that the Manufacturer may reasonably determine are to be charged to the Customer.
9. In case of any technical questions contact customer service centre in your country.

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