Smoke Sensor FGSD-002 ZW5

Product Overview:

The Fibaro Smoke Sensor is a universal, optical Z-Wave smoke detector. Fire alarm is signaled by sound, visual indicator blinking and by sending Z-Wave control commands.

The optical sensor detects smoke at an early stage of fire, often before flames appear and temperature starts to rise significantly. Moreover the device has a built-in temperature sensor, which is programmable indicator of exceeding set temperature level.

The Fibaro Smoke Sensor is designed to be placed 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 (lacking smoke, dust, condensed water vapor).

Product Highlights:

- Compatible with any Z-Wave Controller
- Battery powered
- 3 levels of sensors sensitivity compliant with EN 14604:2005
- Built-in enclosure opening detector
- Dedicated safety mechanism which prevents closing the enclosure without the battery installed
- Alarm signaled by a loud sound, visual indicator and Z-Wave control command
- Additional function of informing about rapid temperature rise by exceeding programmed temperature threshold
- Efficiency test performed automatically every 10 seconds to detect possible malfunction
- Self-test functionality which may be performed manually to test Fibaro Smoke Sensor's operation
- Built-in "black box" to report and record smoke and temperature readouts in its internal memory
- Built-in Z-Wave range tester
- Wireless software update feature
- Z-Wave Plus compatible

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Technical Data:

- Battery Type: CR123A 3.0V DC (battery included)
- Compliance with: EN 14604:2005
- Radio protocol: Z - Wave Plus
- Radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- Range: up to 50m outdoors; up to 30m indoors (depending on terrain and building structure)
- Operational Temperature: 0°C - 55°C
- Operational Humidity: 0% - 93%
- Measured Temperature Range: -20°C to 100°C
- Smoke sensitivity: 1st level – 1.20 +/- 0.5% obs/ft; 2nd level – 1.80 +/- 0.5% obs/ft; 3rd level – 2.80 +/- 0.5% obs/ft
- Sound pressure level: 85dB / 3m
- Temperature Measuring Accuracy: 0.5°C (within 0°C - 55°C range)
- Dimensions (Diameter x Height): 65mm x 28mm