



Modern protection for home and business

## FASD1 Photoelectric Smoke Detector

### Why choose the FASD1 photoelectric smoke detector?

In an era of increasing fire safety requirements, a modern photoelectric smoke detector is becoming an essential element of a security system in homes, public buildings, and industrial facilities alike. Thanks to groundbreaking smoke detection technology, our detector provides a rapid response to the appearance of a threat, minimizing the risk of property damage, injury, or even death. By investing in this innovative product, you can be sure that your family, employees, and customers are adequately protected in any fire-related situation.

#### 1. Modern Detection Technology

The FASD1 photoelectric smoke detector utilizes advanced optical detection technology, which allows for the detection of smoldering fires at a very early stage—before they develop into a full-blown blaze. It operates by analyzing changes in light intensity within the detection chamber, making it particularly effective against smoke-based fires (e.g., furniture, electrical installations, or paper wall fires). This gives the device valuable time to initiate an evacuation and call emergency services.

#### 2. Intelligent features for comfort and safety

The sensor is equipped with a number of convenient features:

- **Functional Testing** – Using a dedicated button, users can regularly check the sensor's operation. Testing not only ensures the device is working properly but also alerts household members to the importance of maintaining the alarm system.

- **Low Battery Notifications** – The built-in system provides a visual warning (red LED) of low battery levels, allowing you to replace the batteries before the device stops working.
- **Alarm Pause (Hush Mode)** – In situations where the alarm triggers without a real threat (e.g., during cooking or dust), you can temporarily silence the alarm. This feature is extremely useful for minimizing false alarms, but in critical situations, the sensor will automatically resume operation within 10 minutes.
- **Visible and audible alarm signals** – The device generates a strong audible signal and a flashing green or red LED, ensuring that everyone, regardless of their location in the building, will hear and see the alarm when a threat is detected.

#### 3. Ease of installation and minimal service requirements

Installing the FASD1 smoke detector is simple and intuitive. Thanks to the universal mounting system (wall or ceiling) and the mounting kit (includes a mounting bracket and wall plugs), the device can be installed without the need for specialist services – although to ensure correct installation, we recommend contacting a qualified electrician. The step-by-step instruction manual details installation locations (e.g., avoiding "dead space" at ceiling peaks) and provides advice on optimal device placement within the building. Regular cleaning and testing (e.g., once a month) ensure long-term and reliable operation of the detector.

## Technical Specifications

- **Detection technology:** Photoelectric (based on optical detection of contaminants in the chamber)
- **Operating voltage:** 3V (powered by a single CR123A or CR17335 battery – non-replaceable)
- **Operating time/battery:** Up to 10 years of continuous operation – no need to replace the battery throughout its lifespan
- **Alarm signal:** Acoustic signal at approximately 85 dBA (measured at a distance of 3 meters from the sensor) providing immediate warning
- **Visual signal:** LED – illuminates approximately every 53 seconds in normal operation; in the event of an alarm, the signal changes (rapid flashing of red LEDs)
- **Operating conditions:** Temperature: 0°C to +55°C; Humidity: 35–60% (non-condensing)
- **Dimensions:** Ø60 mm x H34.5 mm
- **Mounting:** Can be mounted on a ceiling or wall – professional mounting kit included (bracket, wall plugs, and installation instructions)
- **Standards and certifications:**
  - CE mark – confirmation of compliance with European Union CE standards (Directive 2014/53/EU, 1999/5/EC)
  - CPR certificate – meeting the stringent safety requirements for fire protection devices CPR 2531-CPR-CSP11309 (EN 14604:2005/AC:2008)
  - DOP
  - Other industry standards for alarm systems
  - Compliance with ROHS/REACH standards (regarding materials used in production)
- **Additional functions**
  - Push-button test – allows for periodic inspection of the device
  - Automatic switching from alarm mode to normal mode after 10 minutes when the alarm pause function is activated.
  - Low battery indicator – LED signal and audible notification when the batteries need to be replaced.
- **Service life and maintenance:** Regular cleaning (e.g., once a month using a soft brush) and periodic testing (recommended weekly) ensure long-lasting and reliable operation of the device. The device should be replaced after 10 years of use or if any irregularities are observed.

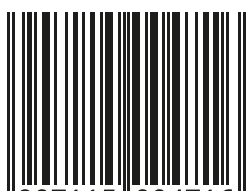
## Additional notes on installation and use

- **Mounting location:** To ensure maximum effectiveness, the FASD1 smoke detector should be mounted in central areas of rooms, away from drafts, windows, ventilation doors, and directly above sources of steam (kitchen, bathroom). Installation in hallways connecting main areas of the building, such as bedrooms and the living room, is also recommended.
- **False alarm prevention:** The device has a "pause alarm" function (Hush Mode), which allows you to temporarily silence the alarm in the event of a false alarm, for example, during heavy cooking. However, it's important to remember that this function is only for non-critical situations, and in the event of a real threat, the alarm will be automatically reactivated.
- **Education and training:** To effectively utilize the potential of your alarm system, it's recommended to regularly conduct evacuation drills at home, in the office, or at school. This will ensure that every household member or employee knows how to react in an emergency, significantly increasing the chances of safely exiting the building in the event of a fire.

## Summary

The FASD1 photoelectric smoke detector combines advanced technology, reliability, and intuitive operation. Its numerous features—from automatic testing, through an intelligent LED marking system, to a convenient alarm pause function—make it an excellent solution for both single-family homes and commercial and industrial buildings. Compliance with international standards (CE, CPR, DOP) and high-quality workmanship ensure the FASD1 smoke detector meets the highest fire safety standards. Regular maintenance, easy installation, and clear instructions guarantee that the device will effectively protect you, your loved ones, and your property for many years to come.

If you're looking for a reliable solution that offers rapid threat detection, minimizes false alarms, and ensures the constant safety of your surroundings, the FASD1 photoelectric smoke detector is the product for you. By investing in this alarm system, you're investing in safety, peace of mind, and a future that always puts people first.



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