

# MSD-350

The device detects early signs of fire. **MSD-350** can operate in autonomous mode, in accordance with the guidelines of EN 14604, or as part of the 433 MHz wireless system. It is compatible with the **PERFECTA** control panels (equipped with **PERFECTA-RF** module or **WRL** models) control panels, **MICRA** alarm module, as well as **VERSA-MCU** and **MTX-300** controllers.

The detector is equipped with a photoelectric visible smoke sensor placed in a special measuring chamber, whose unique design ensures high sensitivity. The precision Hexamesh stainless steel filter prevents particles of dirt and small insects from entering the chamber. The alarm is signaled acoustically and optically. In addition, the detector controls the state of the optical chamber: if it becomes clogged with dust, the LED indicates that maintenance is required.

**MSD-350** is powered by a CR123A 3 V battery, whose status is monitored: voltage drop below a preset level is indicated visually and audibly.

The device has tamper protection against opening of the enclosure (when working in the hardwired system).

- autonomous work in accordance with EN 14604
- ability to work in the wireless system in the 433 MHz frequency band
- range of radio communication in the open area: up to 200 m
- radio signals from a detector can be retransmitted by **MRU-300**
- photoelectric sensor of visible smoke
- acoustic and optical alarm signaling
- unique Swirl chamber for quicker smoke detection
- Hexamesh precision stainless steel filter
- testing function
- chamber soiling indication
- low energy consumption and battery status check
- power supply: CR123A 3 V battery
- tamper protection against opening of the enclosure



Battery working time (in years)	do 3
Enclosure dimensions	ø108 x 54 mm
Operating temperature range	0 °C...55 °C
Max. current consumption	120 mA
Weight	170 g
Operating frequency band	433,05 ÷ 434,79 MHz
Radio communication range (in open area)	do 200 m
Battery	CR123A 3 V
Standby current consumption	85 µA