

ID100

Conventional smoke detector



VERSA⁺⁺

IRIS series detectors maintain the ease-of-use of conventional detectors, yet are capable of providing a series of technical solutions that until today were provided by only the most sophisticated addressable analogue systems.

IRIS series detectors, as a result of advanced technologies based on new-generation microprocessors, represent the most advanced technology that fire detection equipment can offer today. They provide a vast spectrum of options and flexible functions, all configurable via the Driver EDRV1000 (VERSA++ Technology). These detectors are capable of implementing a sophisticated set of algorithms, custom created by Inim's R&D professionals, which ensure unequalled reliability and the highest immunity to false alarms.

Each device is identified by a unique factory-assigned serial number. Therefore, these devices do not require the use of an address programmer. The serial number is located on the device label and on two stickers which can be positioned on the system layout and on the mounting base.

VERSA ++ technology allows these detectors to be configured in accordance with the required detection method. This allows the detectors to adapt perfectly to external conditions and provide prompt, effective detection of events.



The EDRV1000 driver will allow you to work on the following parameters made available by **VERSA++** technology:

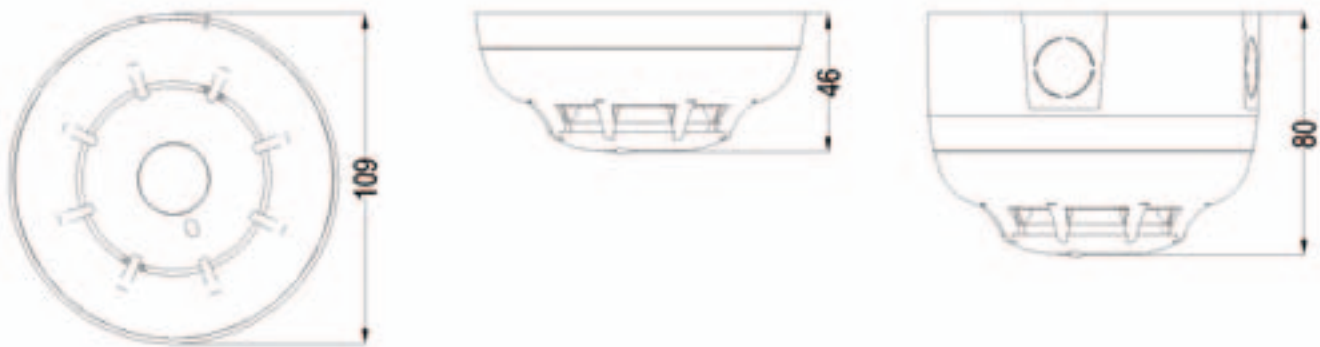
- Operating mode selection (flashing on LED, flashing on remote indicator).
- Smoke chamber sensitivity adjustment.
- Manual activation of the LED.
- Fault report enquiry.
- Complete diagnostics.

Main features

- Newly designed optical chamber with sealed upper-part and 500 µm hole-diameter mesh insect screen
- for high immunity to false alarms.
- Tricolour LED: red for alarm; green flash (optional) for identification after manual activation from the control panel; yellow for trouble (short-circuit fault or high level of contamination in the optical smoke chamber).
- Versa++ technology
- Drift compensation for sensor drift caused by dust in the chamber
- 4 different sensitivity smoke-detection thresholds (configurable by means of EDRV1000)
- Complete Diagnostics: contamination level reading and real-time values (by means of EDRV1000)
- Non-resettable alarm counter
- Memory of the smoke and temperature levels measured in the five-minute period prior to the last alarm
- Vast range of options (selected by means of EDRV1000 driver)

Technical specifications

- Certification: LPCB CPD EN54/pt7.
- Detection principle: Light scattering mass (Tyndall effect).
- Identification of contaminated/faulty detector.
- Sampling: every 4 seconds.
- Power voltage: 19-30Vdc.
- Current draw during standby: 90µA.
- Current draw during alarm: Max40mA.
- Sensitivity: 0.08 – 0.10 – 0.12 – 0.15 dB/m.
- Operating temperature -5°C - +40°C.
- Protection rating: IP43.
- Base fitting: bayonet coupling.
- Height with EB00X0 base: 46 mm.
- Diameter: 109 mm.
- Weight (including base): 160 g.



ORDER CODES

ID100: Conventional smoke detector.

EB0010: Mounting base for ENEA and IRIS detectors.

EB0020: Relay base for ENEA and IRIS detectors.

BDTB: EB00X0 adaptor base for PG16 surface-mounted raceways.

FI100: Remote indicator.

EITK100: Toolkit for device maintenance and configuration.

REFER TO

ITD002: Iris Detectors Wiring Diagram.

ITI004: Enea and Iris Detectors Installation.