



ID100

Conventional smoke detector



ID100 detectors come from the **IRIS** series of the Inim Electronics.

Each device from the IRIS series 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 following parameters are available:

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



MAIN FEATURES

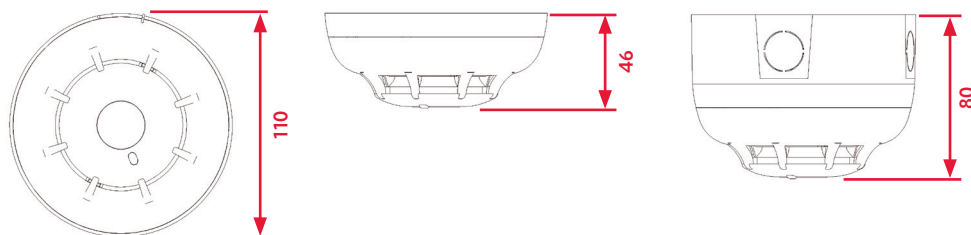
- 500 µm hole-diameter mesh insect screen
- Bicolour LED: red for alarm; green flash (optional) for identification after manual activation from the programmer
- Versa++ Technology
- Drift compensation for sensor drift caused by dust in the chamber
- 4 different smoke detection thresholds
- Complete diagnostics, contamination level reading and values measured in real-time
- Non-resettable alarm counter
- Memory of the smoke and temperature levels measured in the five-minute period prior to the last alarm
- Setting options via manual programmer

TECHNICAL SPECIFICATIONS

- Certification: LPCB CPR EN54/pt7
- Detection principle: light diffusion (Tyndall effect)
- Identification of contamination or fault on detector
- Sampling: every 4 seconds
- Sensitivity: 0.08 – 0.10 – 0.12 – 0.15 dB/m
- Degree of protection: IP43
- Base fitting: bayonet coupling

Input voltage	from 10 to 30 V $\overline{\text{ac}}$
Stand-by current draw	90 μ A
Current draw during alarm status	Max. 40 mA
"R" output current draw (internally limited)	Max. 14 mA
Dimensions	
Height with EB0010 base	46 mm
Height with EB0030 deep base	80 mm
Diameter	110 mm
Weight	160g, standard base included 91g, without base
Operating environmental conditions	
Temperature	from -10°C to +55°C
Relative humidity	≤ 95 % without condensation

DIMENSIONS



WIRING DIAGRAMS TABLES

ITD002	Iris Detectors Wiring Diagram
ITI004	Enea and Iris Detectors Installation
ITD009	EB020 Relay Base Wiring diagram

ORDER CODES

ID100	Conventional smoke detector	EB0010	Mounting base for ENEA and IRIS detectors
ID200	Conventional heat detector	EB0020	Relay base for ENEA and IRIS detectors
ID300	Conventional smoke and heat detector	EB0030	Deep base
IL100	Remote indicator	EB0040	Base protected against dripping water
		EB0050	Spacer for EB0010 mounting base
		EB0060	Base with integrate buzzer