

# ED100

## Optical smoke detector



The ED100 optical smoke detector is based on the Tyndall effect (diffusion of light) and provides first-rate early warning in the event of fire.

It offers wide-spectrum detection of smoke particles generated by the majority of fires. The newly designed optical chamber with sealed upper-part and 500 µm holes diameter mesh insect screen ensure high immunity to false alarms.

The sensitivity can be configured to suit a wide range of applications (sensitivity configurable as: 0.08dB/m; 0.10dB/m; 0.12dB/m; 0.15dB/m).

ENE 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 from the control panel (Versa++ technology). ENE series 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.

Thanks to INIM's leading-edge LoopMap technology, you can now connect to the control panel by means of a computer or EDRV1000 driver and reconstruct the exact installation topology and obtain an easy-to-use, interactive loop layout map which greatly simplifies and speeds up searches relating to faults and maintenance work.

These detectors have passed - with flying colours - all the tests taken at the LPCB test facility, the prestigious English certification service. And, thus hold the right to use this mark in addition to the obligatory CPD certification for the commercialization of fire detectors.

Parameter	ED100	ED200	ED300
Operating voltage			19-30 Vdc
Consumption during standby			200 uA
Consumption during alarm			Max 10 mA
Sensitivity	0.08 - 0.10 - 0.12 - 0.15 dB/m	A1R (58°C + RoR) - B (72°C) - BR(72°C + RoR) - A2S (58°C)	0.08 - 0.10 - 0.12 - 0.15 dB/m ----- A1R (58°C + RoR) - B (72°C) - BR(72°C + RoR) - A2S (58°C) ----- AND -OR - PLUS Mode
Operating temperature		-5°C + 40°C	
Height including base	46mm		54mm
Diameter			110mm
Weight (with base)			160g
Weight (without base)			90g