




Part of Consilium Safety

Optical Smoke Detector FD8030



The **Optical Smoke Detector [FD8030]** provides reliable early warning of a fire condition responding to fixed threshold smoke concentration detected in the protected premises.

The smoke sensitivity is factory preset in accordance with European Standard EN54-7.

Certification: 

Technical Features

Supply Voltage	(10–30)V DC
Current Consumption in Duty Mode	130 μ A / 22.5V DC
Fire Condition Current	with base type DB8000: (8–25) mA
Terminals	for wires with cross-section (0.5–1.5) mm ² degree of protection: IP43 (not verified by UL)
Operational Temperature Range	minus 10°C – plus 50°C
Relative Humidity Resistance	(93 \pm 3)% at 40°C
Sensitivity and Temperature Class	in accordance with EN54-7
Mounting	bases of series 50
Dimensions, Base Included	\varnothing 100 mm, h 47mm
Casing Material	ABS plastics, white
Weight, Base Included	0.100 kg
Protected Area	circle with diameter 10m, h 8m

Operation

The optical smoke detector is controlled by a microprocessor. FD8030 operates with an improved algorithm for self-compensation of the optical chamber contamination, signaling the necessity for cleaning the chamber. The chamber can be cleaned quickly due to the easy dismantling and assembly of the body cover.

The construction of the optical chamber and the new technology used in the manufacturing of the screen provides a high level of protection against entering dust particles, insect ingress and working under strong air flow.