



## FD8030

Optical-smoke fire detector

The fire detector 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.

The fire detector is controlled by a microprocessor. FD8030 operates with an improved algorithm for self-compensation of the optic chamber contamination, signaling the necessity for dusting the chamber. It is done quickly due to the easy dismantling and assembling of the body cover.

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

### Technical data

Supply voltage	(10-30)VDC
Duty mode current	120 $\mu$ A
Fire condition current	- with base type 8000 or 8000D: (8-25) mA - with base type 8000R, 8000DR: (18-55) mA
Terminals	For wires with cross section (0.8-2.5)mm <sup>2</sup>
Degree of protection	IP 43
Operation temperature	Minus 10°C to 55°C
Relative humidity	(93 $\pm$ 3) % at 40°C
Sensitivity	In accordance with EN54-7
Mounting	Using bases of series 8000
Dimensions (base included)	Ø100, h 47 mm
Casing material	ABS plastics, white
Weight (base included)	0.100 kg
Protected area	Circle with diameter 15m, h 11m