

Optical Smoke Fire Detector FD8030



The optical smoke 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.

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Technical data

The optical smoke 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.

Supply voltage:

– (10-30) VDC

Duty mode current:

– 120 μ A / 22,5 Vdc

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 (0.5-2.5) mm²
– Degree of protection: IP 43

Operation temperature: -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): \varnothing 100, h 47 mm

Casing material: ABS plastics, white

Weight (base included): 0.100 kg

Protected area: Circle with diameter 15m, h 11m