



CONVENTIONAL
FIRE DETECTORS
SERIES 8000



The conventional fire detectors of series 8000 are remarkable for their modern low profile design that makes them suitable for the most demanding and prestigious interior. Indication for a Fire condition with two diametrically situated LEDs provides 360° angle visibility.

The bases designed and manufactured with care for the installers allow easy installation and provides interchangeability of the fire detectors from the series. Higher reliability of the electrical connection of the base and the head of the fire detector and the installation wires is achieved by a double contact spring system. It is produced of non-ferrous metal, nickel plated. The additional clear varnish of the electronic components contributes to the normal operation of the fire detectors in aggressive environment. On the base is provided a terminal of connecting a remote indicator. A lock-up mechanism provides protection against theft to the fire detectors installed in the premises.

The implemented system for quality control ISO 9001:2000 requiring 100% check on the serviceability of the ready products guarantees reliable and long-term use of the products bearing the trade mark of *UniPOS*.



FD 8010

FIXED TEMPERATURE HEAT DETECTOR

The fire detector provides reliable early warning of a Fire condition upon ambient temperature reaching a fixed temperature threshold.

It is available in two versions (A2S or BS) depending on the temperature threshold in accordance with the European Standard EN 54-5.

The fire detector is suitable for premises with normal or high ambient temperature, with possible sudden changes.



FD 8020

RATE OF RISE HEAT DETECTOR

The fire detector provides reliable early warning of a Fire condition upon reaching a rate of rise of the temperature or fixed temperature threshold in the protected premises.

It is available in two versions (A2R or BR) depending on the temperature threshold in accordance with the European Standard EN 54-5.

The fire detector is suitable for premises with normal ambient temperature, without possible sudden changes.



FD 8060

COMBINED FIRE DETECTOR

The fire detector provides reliable early warning of a Fire condition responding to fixed threshold smoke concentration or rate of rise of the temperature or fixed temperature threshold detected in the protected premises.

It combines the advantages of a type FD 8020 and a type FD 8030 and it is an attractive option due to decreased expenses for supply and installation.

The fire detector complies with the requirements of the European Standard EN 54-5 (temperature class A1R) and EN 54-7.



FD 8030

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 the European Standard EN 54-7.

The fire detector is controlled by a microprocessor. The fire detector 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 insects and working under strong air flow.

TECHNICAL DATA

CHARACTERISTICS / MODEL	FD 8010	FD 8020	FD 8030	FD 8060
Supply voltage	(10-30)V DC	(10-30)V DC	(10-30)V DC	(10-30)V DC
Duty mode current	55 µA	55 µA	120 µA	120 µA
Fire condition current				
- with a base type 8000 or 8000D	(8-25) mA	(8-25) mA	(8-25) mA	(8-25) mA
- with a base type 8000R, 8000DR or 8000L	(18-55) mA	(18-55) mA	(18-55) mA	(18-55) mA
Terminals	for wires with cross section (0,8-2,5) mm ²			
Degree of protection	IP 43	IP 43	IP 43	IP 43
Operating temperatures	minus 10°C to 55°C	minus 10°C to 55°C	minus 10°C to 55°C	minus 10°C to 55°C
Sensitivity	in accordance with EN 54-5, class A2S or BS	in accordance with EN 54-5, class A2R or BR	in accordance with EN 54-7	in accordance with EN 54-7 and EN 54-5, class A1R
Mounting	using bases of series 8000	using bases of series 8000	using bases of series 8000	using bases of series 8000
Dimensions (base incl.)	ø100, h 47 mm	ø100, h 47 mm	ø100, h 47 mm	ø100, h 52 mm
Casing material	ABS plastics, white	ABS plastics, white	ABS plastics, white	ABS plastics, white
Weight (base incl.)	0,100 kg	0,100 kg	0,100 kg	0,100 kg
Protected area	circle with diameter 10 m, h 8m	circle with diameter 10m, h 8m	circle with diameter 15m, h 11m	circle with diameter 10m, h 8m

8000R



It is used in systems, where it is necessary that the activated fire detector activates additional device through the relay contact.

BASE WITH RELAY OUTPUT

8000D



It allows the Fire Control Panel to recognize Fault condition Removed detector from Fault condition Interruption.

BASE WITH SCHOTTKY DIOD

8000



It is used upon operation with Fire Control Panels, where Fault Condition Removed detector shall be signalled as a Fault Condition interruption.

STANDARD BASE

8000DR



It is used in systems, where the activated fire detector must increase additionally the current in a line. It allows the Fire Control Panel to recognize Fault condition Removed detector from Fault condition Interruption.

BASE WITH SCHOTTKY DIOD & RESISTOR

8000L



It is used in systems, where the activated fire detector must increase additionally the current in a line. Fault condition Removed detector shall be signalled as a Fault condition Interruption.

BASE WITH RESISTOR

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