



Part of Consilium Safety

Optical Smoke Detector

FD7130M

The Optical Smoke Detector FD7130M is designed for early warning of a fire condition. The principle of functioning of the detector is based on infrared rays distraction caused by smoke particles entering the optical chamber.

The smoke sensitivity is programmable from the Control Panel via specialized data exchange protocol UniTALK. A built-in isolator for short circuit protection is provided in the detector.



Certified to EN54-7/17

FD7130M is fitted on base 7100.

Certification:



Technical Features

Supply Voltage	(18-30)V DC
Current Consumption in Duty Mode	not more than 300 μ A
Current Consumption in Alarm Condition	(2 \pm 1) mA
Current in Alarm Condition from Output RI/KL	(2 \pm 1) mA
Time to Enter Duty Mode after Power Supply is ON	up to 30s
Reset Time	5s
Time to Enter Duty Mode after Reset	up to 10s
Status LED	<p>Duty Mode - both LEDs flash briefly every 12s</p> <p>Alarm Condition - both LEDs produce continuous light</p> <p>Fault Condition (activated isolator) - both LEDs flash briefly with 2Hz frequency</p> <p>Fault Condition (short circuit in the remote indicator output) - both LEDs flash briefly with 0.5Hz frequency</p>
Smoke Sensitivity	middle or 20% higher (complies with EN54-7:2018) or 20% lower
Protected Area	circle with diameter 15 m (acc. EN 54-14)
Height of Mounting	up to 11 m (acc. EN 54-14)
Operational Temperature Range	minus 10°C - plus 55°C
Relative Humidity Resistance	(93 \pm 3)% at 40°C
Dimensions, Base Included	\varnothing 100 mm, h 47mm
Weight, Base Included	>0.100 kg
Type of the Connecting Line to the Base	two-wire, a single-core or multi-core insulated, shielded wire
Cross Section of the Connecting Wire	(0.8-1.5) mm ²

Compatible with the DB7100 Standard Addressable Base or the 7205 Sounder Base (includes base DB7100)

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10-10-1013-0100