



Intrunet OP412

Optical smoke detector with relay

for intrusion panels

- Optical smoke chamber with detection algorithm
- Operating as stand alone smoke detector with optional alarm transmission to panel via relay module
- Networkable with up to 40 smoke detectors (OP412 only)
- Coverage area of 60 m²
- Certified according to EN 14604, VdS approved
- Integrated sounder and test button for easy testing
- Low battery warning signal transmission
- “Battery compartment check” feature prevents installation without batteries
- Perfect protection against insects

Versatile in application: With its ergonomic and discrete design, which fits to every environment, and progressive signal evaluation, this optical smoke detector is ideal for the design sensitive residential and professional sector alike.

Safe detection: The detector has an optical smoke chamber based on the “photoelectric scattered light” principle, through which it reliably tracks the development of smoke. The alarm is indicated both optically and acoustically.

Reliable detection: The reliability of the smoke detector makes it the right choice for any professional or residential premises, including timbered and half-timbered houses. The built-in acoustic siren provides a local warning and facilitates the safe evacuation of people; the alarm is simultaneously transmitted to the intrusion panel, and to an alarm monitoring station if applicable. Siemens also offers a full range of certified fire detection systems for higher risk applications, from jewelry shops or museums to banks and military establishments.



Technical data

Coverage area	60 m ²
Max. mounting height	3 m
Operating indication	LED flash once every approx. 50 sec.
Event transmission	Alarm, tamper (test), supervision, low battery (in advance)
Test mode/activation	Alarm transmission test by tamper contact self test by front test button
Power supply	Battery 3 x Alkaline 1.5 V; type: LR6; Size: AA Battery life time up to 5 years (without alarms) Battery low signal: three short flashing pulses every 48s and short acoustic signal tone
Build in alarm sound level	> 85 dB at 3 m distance
Networking	Up to 40 smoke detectors (only DELTA Reflex smoke detectors battery) with a twin-core, twisted cable e.g. type J-S(St)Y 2 x 2 x 0.6 mm Total cable length : max 400 m
Environmental conditions	
● Operation temperature	0 to +50 °C
● Storage temperature	-20 to +60 °C
● Humidity (EN 60721)	< 85 % r.h., non condensing
● Housing protection EN 60529	IP30
Housing dimensions (Ø x H)	120 x 44 mm
Complies with:	EN 14604, EN 60529, EN 61000-6-1, EN 61000-3, EN 61000-6, EN 50130-4 CE norm: in accordance with the EMC guideline

Details for ordering

Type	Part no	Designation	Weight
OP412	S54539-F101-A100	OP412 Optical smoke detector with relay	0.159 kg
Relais module	included in OP412	DELTA Reflex Smoke detector module relay	0.011 kg
Batteries	included in OP412	3x Alkaline 1.5V type: LR6 Size: AA	0.072 kg

Scope of delivery

The relevant relay module is included in the delivery of OP412 and therefore does not have a part number of its own. The two units must be clicked together during the installation (easy plug-in connection).