



IOPW6-11, IOPW6-21

Wireless smoke detector

for intrusion panels with SiWay wireless protocol

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- Coverage area of 60 m²
 - Certified according to prEN 14604:2002
 - Optical smoke chamber with detection algorithm for residential applications
 - Integrated sounder and test button for easy testing
 - Low battery warning signal transmission
 - Unique ID code with signal transmission for secure identification
 - “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 wireless smoke detector is ideal for the design sensitive residential sector.

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 triggered both optically and acoustically.

Reliable detection: The reliability of the smoke detector makes it the right choice for any 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.

Dimensions



Dimensions: 120 Ø x 44 mm

Technical data

Coverage area	60 m ²
Max. mounting height	3 m
Wireless module – Range/	Up to 300 m at open space
Frequency band	868 MHz, 915 MHz
Operating indication	LED flash once every approx. 50 sec.
Identification	Unique ID serial number - 24 bit
Event transmission	Alarm, tamper (test), supervision, low battery (in advance)
Data protocol	SiWay
Test mode/activation	Alarm transmission test by tamper contact /self test by front test button
EMI rejection up to 2 GHz	> 10 V/m
Battery	3 x Alkaline 1.5 V type: LR6 Size: AA
Build in alarm sound level	> 85 dB at 3 m distance
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
Complies with: EN 61000-6-1, EN 61000-3, EN 61000-6, EN 50130-4, prEN 14604:2002 VDS approval see rating plate, CE norm: in accordance with the EMC guideline (residential building)	

Details for ordering

Type	Part no	Designation	Weight
IOPW6-11	S54538-F101-A100	IOPW6-11 wl smoke detector, 868 MHz	0.160 kg
IMSW6-10	included in IOPW6-11/21	IMSW6-10 SiWay radio module 868 MHz	0.010 kg
	included in IOPW6-11/21	3x Alkaline 1.5V type: LR6 Size: AA	0.072 kg
IOPW6-21	not yet available	IOPW6-21 wl smoke detector, 915 MHz	0.160 kg

Scope of delivery

The relevant SiWay radio module is automatically included in the delivery of IOPW6-11/21 and therefore does not have a part number of its own. SiWay radio module 868 MHz or 915 MHz is delivered in a separate package when ordering IOPW6-11/21. The two units must be clicked together during the installation.