

**45RFU100****ADDRESSED WIRELESS OPTICAL SMOKE DETECTOR**

Tyndall effect wireless addressable optical smoke detector with isolator designed for operation with Comelit wireless expansion modules. The detector has 360° visibility LED indication and a built-in buzzer for additional signalling in the event of a fire alarm (can be excluded) and for searching within the system. To prevent unauthorised disassembly or removal, the detector can be locked on at the base. Equipped with an anti-tamper feature to indicate opening. The digital signal processing algorithms of 45RFU100 make it particularly sensitive to detecting smoke, even in the early stages of a fire breaking out. Device enrolling is easy and instant. Communication distance between detector and expander (in open space) over 1000 m. Two-way radio communication with proprietary communication protocol. Batteries (3 x CR123A) with maximum life up to 10 years (depending on usage and settings). Operating temperature -10°C / +55°C. Dimensions (including base) Ø108x76 mm. Material: ABS. IP30 protection rating. Approved to EN 54-7 and EN 54-25.



45RFU100

ADDRESSED WIRELESS OPTICAL SMOKE DETECTOR

MAIN FEATURES

Type of detection point	Optical smoke detector
Sensitivity level settings	High/Normal/Medium/Low
Self-diagnosis	Yes
LED indicators	2, visibility 360°
Two-way radio communication	Yes
Modulation	GFSK
Radio frequency (MHz)	868
Number of frequency channels	6 pair channels
RF range (meters open field) (m)	1000
EN regulations	EN54-7, EN54-25

HARDWARE SPECIFICATIONS

IP protection rating	IP30
Type of finishing materials	ABS
Product color	White
Operating temperature (°C)	-10 ÷ 55
Height base included (mm)	76
Diameter (mm)	108
Product weight (g)	227

BATTERIES

Number of batteries (n°)	3
Battery type	CR123A
Battery included	Yes
Battery life (buzzer disabled)	~10 years
Battery level control	Yes

GENERAL DATA

Protezione antiapertura	Tamper
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GENERAL DATA

Wireless technology	Bidirectional - BeaconPlus
Internal buzzer	Yes
Built-in buzzer volume	80dB/1m