

**45RML100****ADDRESSABLE WIRELESS MULTISENSOR DETECTOR**

Wireless addressable multi-sensor detector 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. 45RML100 combines the detection modes of a heat detector and an optical smoke detector, and is therefore particularly suited to applications where early fire detection must be ultra-reliable (hotels, museums, etc.). The detector signals the alarm if the smoke or temperature threshold is exceeded. 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) Ø108x82 mm. Material: ABS. IP30 protection rating. Available temperature classes A1/R and 4 different sensitivities programmable via the fire panel menu. Approved to EN 54-5, EN54-7 and EN 54-25.



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MAIN FEATURES

Type of detection point	Rate-of rise multi-criteria smoke/heat detector
Sensitivity level settings	High/Normal*/Medium/Low (optics) - A1R (thermal - 58°, RoR)
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)	1500
EN regulations	EN54-5, 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)	82
Diameter (mm)	108
Product weight (g)	242

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