

**43RML100****CONVENTIONAL MULTI-CRITERIA DETECTOR**

Detector 43RML100 is a multi-criteria detector combining the detection modes of the rate-of-rise detector 43RCS000 and the optical smoke detector 43RFU000, and is therefore particularly suited to applications where early fire detection must be ultra-reliable (hotels, museums, etc.). The detector triggers the alarm if the smoke or temperature threshold is exceeded; plus, if a sharp rise in temperature occurs, the smoke detection sensitivity is set to its maximum level. Microprocessor-controlled digital signal analysis. Low-profile design. Light indications via 2 LEDs which guarantee 360° visibility. Status indication every 8 seconds. Approved to EN 54-5 and EN 54-7.


43RML100
CONVENTIONAL MULTI-CRITERIA DETECTOR
MAIN FEATURES

Type of detection point	Rate-of rise multi-criteria smoke/heat detector
Self-diagnosis	Yes
LED indicators	2, visibility 360°
Conformity class EN54-5	A1/R
Settling time on power-up (s) (secs)	30
EN regulations	EN54-5, EN54-7

HARDWARE SPECIFICATIONS

IP protection rating	IP30
Product color	White
Operating temperature (°C)	-10 ÷ 60
Operating humidity (RH max @40°C) (%)	0 ÷ 96
Cross-section for terminals (mm)	0.4 ÷ 2.5
Width (mm)	102
Height base included (mm)	48
Product weight (g)	170

ELECTRICAL SPECIFICATIONS

Power supply	9÷30 (12÷24 V CC Nominal)
Current absorbed in alarm status with bases 43RBX000 & 43RBX001	20mA, 12÷30VDC
Current absorbed in alarm status with base type 43RBX003	18mA @ 9VDC, 29mA @ 12VDC, 32mA @ 15VDC
Average consumption in inactive status	<50µA
Output in alarm status for remote indication	20mA@3.3VDC

GENERAL DATA

Operating voltage	9÷30 (12÷24 VDC Nominal)
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