43RCS100

CONV. HEAT+RATE-OF-RISE DET. W/FIXED THRESH. 58°

The 43RCS100 detector can detect the fixed threshold of 58°C in addition to rapid changes in temperature (“rate of rise”) as set out by standard EN 54-5 for class A1R. The control algorithms implemented also mean it can be used in environments which are subject to ambient temperature changes; it is particularly useful for dusty or dirty environments or where the humidity level is high, factors which may negatively impact the performance of the optical sensors. 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.

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FUNCTIONS

Self-diagnosis	Yes
LED indicators	2, visibility 360°

HARDWARE SPECIFICATIONS

IP protection rating	IP30

GENERAL DATA

Operating temperature (°C)	-10 ÷ 60
Detector class (in accordance with EN54-5)	A1/R
Colour	White
Dimensions (øxH - mm - base included)	102x42
Weight (g)	160
Cable cross-section (mm2) (mm)	0.4 ÷ 2.5
Certification standard	EN54-5
Type of detection point	Rate-of rise heat detector with fixed threshold of 58°C

TECHNICAL CHARACTERISTICS

Settling time on power-up (s) (secs)	30
Operating humidity (% RH max)	(93 ± 3)% @ 40°C

ELECTRICAL SPECIFICATIONS

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
Operating voltage	9÷30 (12÷24 VDC Nominal)
Output in alarm status for remote indication	20mA@3.3VDC

The technical specifications are subject to change without prior notice.