

Conventional Optical Smoke Detector

Technical Sheet

Description

The FL-C-S-300 optical smoke detectors represent the latest in fire detection technology. These detectors can be seamlessly integrated with 2-wire conventional fire detection control and indicating equipment.

Their cutting-edge electronics work hand in hand with an optical smoke sensing chamber to swiftly identify potential fires while offering robust protection against false alarms.

The conventional detector range includes an affordable smoke detector that meets standards for fire detection and alarm systems, providing reliable protection for both life safety and property.



Features

- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- 2-wire DC 12 V and DC 24 V operation with remote LED output
- Connects to zone monitor for use with addressable control and indicating equipment
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- Low maintenance

EN54 CE

FL-C-S-300

Technical Specifications

Operating voltage	DC (10.8 ~ 26.4) V
Start-up current	≤ 135 μA
Start-up time	≤ 30 s
Quiescent current	≤ 75 μA
Alarm current (max)	35 mA
Sampling time	(3 ~ 5) s
Alarm response threshold	(0.08 ~ 0.15) dB/m
Alarm indicator	Dual red LEDs
Remote LED output current (max)	—
Reset voltage	≤ 1 V
Reset time	≤ 5 s
Auto-reset time	—
Alarm output relay	SPST. N/O. 1.0 A @ DC 30 V / 0.5 A @ AC 125 V
Operating temperature	(-10 ~ +55) °C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing
Dimensions (excluding contacts)	102 mm × 34 mm
Ingress protection rating	IP-42

Ordering Information

FL-C-S-300

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