

### Description

conventional (non-addressable) photoelectric smoke detectors are state-of-the-art detectors suitable for connection to conventional (non-addressable) fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept conventional (non-addressable) type detectors.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms.

The conventional (non-addressable) detectors provide fire detection and alarm system designers with an economical smoke detector for life safety and property protection applications.

### Approvals

Detectors have CE approval

### Features

- Advanced algorithms provide advanced detection discrimination
- Easy installation. No programming required
- Low maintenance
- Sleek low-profile housing design
- Stable photoelectric smoke sensing chamber. No adjustment or replacement required
- High immunity against unwanted alarms
- Surface-mount device (SMD) circuit board design
- Dual LEDs for 360° visibility
- 4-wire models for DC 12 V operation
- 4-wire models include a N/C or N/O alarm relay output
- 4-wire models available with auto-reset function only for DS-PDSMK-4BAR
- 4-wire models available with an internal sounder only for DS-PDSMK-4BAR



DS-PDSMK-4BAR



DS-PDSMK-4

## Specifications

	DS-PDSMK-4	DS-PDSMK-4BAR
Operating voltage		DC (10.2 ~ 13.8) V
Start-up current		≤ 200 μA
Start-up time		≤ 60 s
Standby current		≤ 60 μA
Alarm current (max)		35 mA
Maximum permitted current		80 mA
Sampling time		8 s
Reset voltage		≤ 1 V
Reset time		≤ 1 s
Alarm response threshold (smoke)		(0.10 ~ 0.16) dB/m (1.51 ~ 2.73) % / ft obscuration
Alarm relay		SPST. N/O or N/C. 1.0 A @ DC 30 V / 0.5 A @ AC 125V
Auto reset time	—	28 s ~ 35 s
Sounder output	—	≥ 85 dB @ 3 m
Operating temperature		0 °C ~ +50 °C
Operating humidity		0 % ~ 95 % RH, non-condensing
Storage temperature		-25 °C ~ +80 °C
Storage humidity		0 % ~ 98 % RH, non-condensing
Alarm indicator		Two continuous emitting red LEDs
Dimensions (excluding contacts)		Φ 100 mm × 35 mm
Ingress protection rating		IP-42



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