

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	$\leq 200 \mu\text{A}$	
Start-up time	$\leq 60 \text{ s}$	
Standby current	$\leq 60 \mu\text{A}$	
Alarm current (max)	35 mA	
Maximum permitted current	80 mA	
Sampling time	8 s	
Reset voltage	$\leq 1 \text{ V}$	
Reset time	$\leq 1 \text{ s}$	
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	—	$\geq 85 \text{ dB @ 3 m}$
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)	$\Phi 100 \text{ mm} \times 35 \text{ mm}$	
Ingress protection rating	IP-42	

