



PHS202DH
Conventional Heat Detector
for 2-wire systems

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PHS202DH conventional (non-addressable) photoelectric smoke/heat detectors are state-of-the-art detectors suitable for connection to conventional fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept conventional type detectors.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber and an electronic thermistor provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides fixed temperature operation when the response threshold value is exceeded.

The PHS202DH range of conventional detectors provide fire detection and alarm system designers with a Standards-compliant, economical fire detector for life safety and property protection applications.



General Specifications

- Dual photoelectric smoke and heat sensors to detect either smoke, heat or a combination of the phenomena.
- Advanced algorithms provide excellent detection discrimination
- Ideal for both fast-flaming and slow smouldering fires.
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- Easy installation. No programming required
- Low maintenance
- Sleek low-profile housing design
- Surface-mount device (SMD) circuit board design
- Dual LEDs for 360° visibility
- Magnet-initiated alarm test function
- Base options include
 - Low profile 100 mm diameter base
 - High profile 100 mm base for mounting on hard surfaces with conduit cable entry
 - Low profile 150 mm diameter base
 - Sounder base
 - Recessed mounting for base mounting
- Connects to zone monitor for use with addressable control and indicating equipment

Technical Specifications

Operating voltage:	DC (12 ~ 28) V
Start-up current:	≤ 130 μA
Start-up time:	≤ 60 s
Standby current:	≤ 100 μA
Alarm current (max):	70 mA
Maximum permitted current:	80 mA
Sampling time:	3 s ~ 5 s
Reset voltage:	≤ 1 V
Reset time:	≤ 1 s
Alarm response threshold (smoke):	0.10 dB/m ~ 0.14 dB/m
Alarm response threshold (heat):	57 °C static
Environmental:	Operating Temperature: -10 °C ~ +50 °C Operating Humidity: 0 % ~ 95 % RH, non-condensing
Alarm indicator:	Two continuous emitting red LEDs
Dimensions (excluding contacts):	Ø 100 mm x 48 mm
Ingress protection rating:	IP-42
Ceiling spacing for heat sensor:	≤ 15 m