# CN-PYH Combined Optical Smoke and Heat Detector

| Product reference | |
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| Part No. | 5100499-00A |
| Manufacturer | Consilium / Salwico |
| Model | CN-PYH |




## Product overview

Analogue addressable combined optical smoke and heat detector using light scatter and thermistor sensing.

## Key features

- In CS3000, CS4000 and NSAC-1 it operates as a CN-PH replacement without additional features.
- Keep the dust cover until dusty work is finished and the area cleaned.
- Preserve both original pages; historical conformity statements do not establish current certification.

## Installation & compatibility

- Configuration depends on the applicable system.
- Select the base using the manufacturer Base matrix and follow that base datasheet for connections.

## Technical specifications

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| Manufacturer Article Number | 5100499-00A | Addressing method | Soft addressing, Non-Volatile EEPROM. |
| Sensor method | Light Scatter and Thermistor | Material | PC/ABS or ABS |
| Sensor element | 1 x Light Emitting Diode and Thermistor | Weight (w/o base) | 110 g |
| Nominal voltage | 35 VDC | Colour | White |
| Working voltage | 20-38 VDC | Programming tool | Part no. 22100 |
| Working current | 200 µA | Source conformity statement | EN54-5,EN54-7,EN54-29 |
| Alarm current | 5 mA (LED) | Manufacturer-listed systems / restriction | CS3000*, CS4000*, NSAC-1*, TERRA FIRE, TERRA ONE. In starred systems CN-PYH acts as CN-PH replacement with no additional features |
| Remote indication | 2 mA | Configurable functions in applicable systems | Dual, Multi-criteria, Smoke, Heat or Default mode; five smoke-sensitivity steps; heat class A1R/A2S/BS/CS; system detector address. Do not assume these features in starred legacy systems |
| Operating temperature | -10°C to +55°C | Address / alarm indication | Valid technical addresses1-254 via programming tool22100; OMNIVIEW360-degree red alarm LED and remote-indication output |
| Storage temperature | -25°C to +70°C | Base / connection selection | Select suitable baseplate using separate manufacturer Base matrix. Follow the selected baseplate datasheet for wiring; base is a separately selected component |
| Relative humidity | ≤RH95% non-condensing | Dust cover / installation | Keep dust cover fitted until all polluting/dusty work is finished and the area cleaned |
| Ingress protection | IP40 | Dimensions / base condition | Detector head:diameter104mm x42mm; detector head with UB-series base:diameter104mm x57mm |