



Analogue Addressable Dual Optical Smoke/Heat Multi-sensor Detector

EV-DPH

Part no. FI4-82106 A2R

Part no. FI4-82107 CS

General Description

EV-DPH is a Dual Optical Smoke/Heat Multisensor Detector, available with Heat Class A2R or CS, compatible with Evolution analogue addressable system devices.

EV-DP Dual Optical Detector uses both IR and blue LEDs to provide a more accurate measurement of particles within the chamber. This technology actively helps minimise false alarms in areas prone to steam and dust, including hotels, hospitals and other areas of multiple occupancy.

The detector will fit to the range of Nittan bases including the EV-B-SCI Short Circuit Isolator Base.

Device address may be set using the Nittan EV-AD2-EXT Hand held programmer.

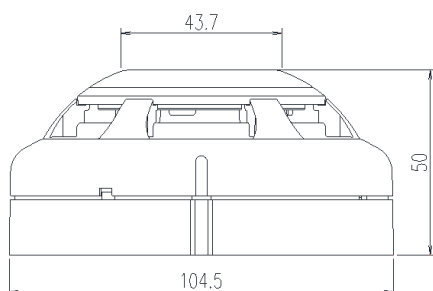
Approvals

Test Standards	EN 54-5: 2017 + A1: 2018 EN 54-7: 2018
CPR Certificate	2531-CPR-232.1685
UKCA Certificate	8504-UKCA-CPR-UKCSP10001
DoP Number	1685

Compatible Bases

UB-6-EV	– Standard Base
UB-6-SCI	– Short Circuit Isolator Base
STB-4SE-EV	– Deep Base.

Dimensions (mm)



Data

Smoke Sensor Type	Optical Light Scatter
Smoke Sensor Element	2 x Light Emitting Diode
Heat Sensor	2 x Thermal sensitive resistor
Operating voltage	20 Vdc to 38 Vdc
Quiescent current	200 µA
Alarm current	5mA (LED On)
Remote LED Indicator current	2.0mA
Charging Time	4 minute.
Operating temperature	-10°C to +80°C
Storage temperature	-25°C to +80°C
Relative humidity	≤ RH 95% non-condensing
Cable terminals	Max 2.5 mm ²
Ingress protection	IP42
Material	FR-ABS
Material Specification (UL94)	V-2 (Min wall thickness)
Dimensions	104.5x50 mm (Inc Base)
Mass	145 g

All wiring must conform to the current edition of the Local National Wiring regulations.

All loop Cable Screens shall be connected together, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.

Connections

