Analogue Addressable Dual Optical Smoke Detector
EV-DP

Part no. F14-82105

General Description

EV-DP is an Analogue Addressable Dual Optical Smoke Detector 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.
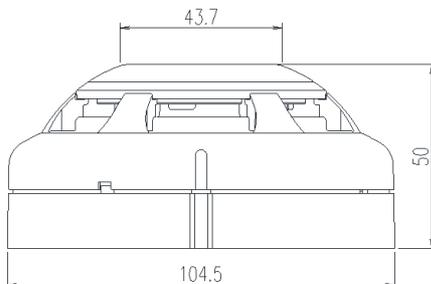
Approvals

EN Test Standards	EN 54-7: 2018
CPR Certificate	2531-CPR-232.1712
UKCA Certificate	8504-UKCA-CPR-UKCSP10004
DoP Number	1712

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	Dual Optical Light Scatter
Smoke Sensor Element	2 x Light Emitting Diode
Operating voltage	20 Vdc to 38 Vdc
Quiescent current	200µA
Alarm current	5mA LED On
Remote LED current	2.0mA
Charging Time	4 minute.
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +80°C
Relative humidity	RH 95%
Cable terminals	Max 2.5 mm^2
Ingress protection	IP42
Material	FR-ABS
Material Specification (UL94)	V-2
Dimensions	104.5x50 mm (Inc Base)
Mass	145 g (Sensor Only)

All wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1, or 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