



Conventional Optical Smoke Detector

EVC-P

Part no. F02-82200

General Description

EVC-P is a Conventional Optical Smoke Detector incorporates an internal 375 Ohm Alarm Resistor and is compatible with a range of Conventional Fire Alarm Systems.

EVC-P Optical Detector uses an IR LED to provide the measurement of smoke density within the chamber. This technology is suitable for a broad range of applications, including hotels, offices, hospitals and other open clean spaces.

The detector can also be interfaced to Nittan Analogue Addressable systems, via an EV-ZMU2 Zone Monitor Module.

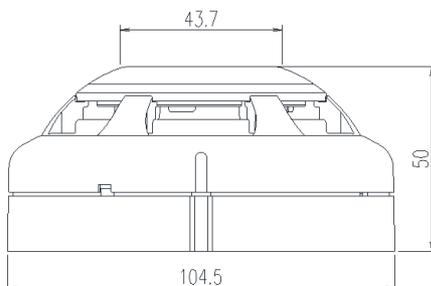
Approvals

EN Test Standards	EN 54-7: 2018
CPR Certificates	2831-CPR-F0411 & F2423
UKCA Certificates	0832-UKCA-CPR-F0027 & F0039
LPCB Certificates	041f & 1461a
DoP Number	F0411 & F2423

Compatible Bases

UB-4	– Standard Base
UB-6-EV	– Standard Base
UB-4-SD	– Schottky Diode Base
STB-4SE-EV	– Deep Base

Dimensions (mm)



Data

Smoke Sensor Type	Optical Light Scatter
Smoke Sensor Element	Light Emitting Diode
Operating voltage	12 Vdc to 32 Vdc
Quiescent current	50µA @ 24 Vdc
Alarm current	50mA @ 24 Vdc
Remote LED current	2.0mA
Charging Time	20 seconds.
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +60°C
Relative humidity	RH 95%
Ingress protection	IP42
Material	FR-ABS
Material Specification (UL94)	V-2
Dimensions	104.5x50 mm (Inc Base)
Mass	118 g (Sensor Only)

All wiring must conform to the current edition of IET Wiring regulations and BS5839 Part 1, or Local National Wiring regulations.

All Screens shall be connected continuous for incoming and outgoing cables, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.

Connections

