



# 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.

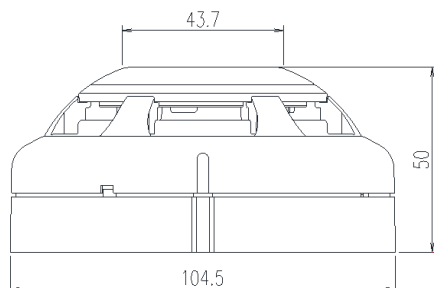
## Approvals

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

