



Conventional Dual Optical Smoke Detector **EVC-DP** Part no. F02-82205

General Description

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

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

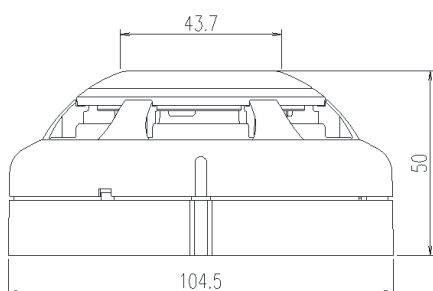
Approvals

| | |
|-------------------|---------------------|
| EN Test Standards | EN 54-7: 2018 |
| CPR Certificate | 2831-CPR-F1874 |
| UKCA Certificate | 0832-UKCA-CPR-F0044 |
| LPCB Certificate | 755a |
| DoP Number | F1874 |

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 | Dual Optical Light Scatter |
| Smoke Sensor Element | 2 x Light Emitting Diode |
| Operating voltage | 16 Vdc to 32 Vdc |
| Quiescent current | 40µA @ 24 Vdc |
| Alarm current | 50mA @ 24 Vdc |
| Remote LED current | 2.0mA |
| Charging Time | 1 minute (In clean air). |
| Operating temperature | -10°C to +55°C |
| Storage temperature | -25°C to +60°C |
| Relative humidity | RH 95% |
| Ingress protection | IP42 |
| Material | FR-ABS/PC Alloy |
| 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

