



# 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.

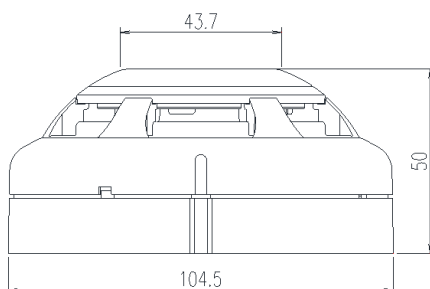
## Approvals

EN Test Standards	EN 54-7: 2018
CPR Certificate	2831-CPR-F1874/F4882
UKCA Certificate	0832-UKCA-CPR-F0044/F1806
LPCB Certificate	755a/1461a
DoP Number	F1874/F4882

## Compatible Bases

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

## Dimensions (mm)



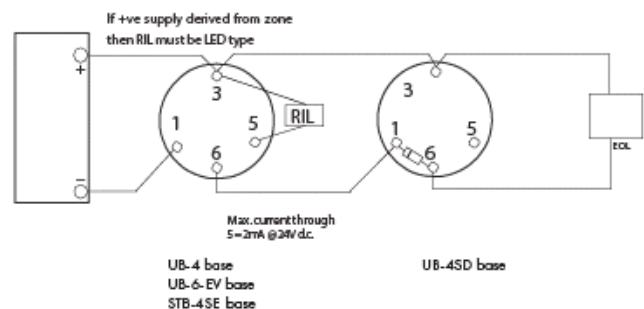
## Data

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	130 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



RIL must be 6V, 2mA max.