



Conventional Dual IR Flame Detector **EVC-IR**

Part no. F04-60044

General Description

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

EVC-IR is a flame detector monitoring infrared energy emitted during a fire. It is designed to monitor flame in large and high-ceiling areas such as an atrium, or a gymnasium where Heat or Smoke detectors are unable to detect fires quickly.

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

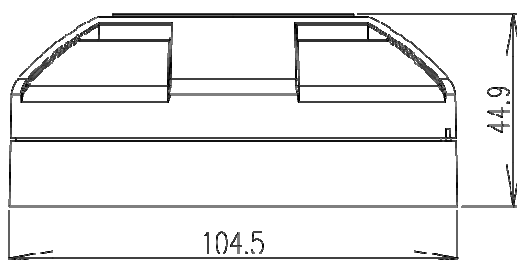
Approvals

EN Test Standards	EN54-10: 2002/A1:2005
CPR Certificate	2831-CPR-F2439
UKCA Certificate	0832-UKCA-CPR-F0042
DoP Number	F2439

Compatible Bases

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

Dimensions (mm)



Data

Sensor Method	CO2 Resonant Emission, Flickering, Dual Wavelength
Sensor Element	2 × Infrared Wavelength sensors
Sensor Class	Class I (25m)
Sensor Viewing Angle	100° Max (±50°)
Operating Voltage	10 Vdc to 32 Vdc
Quiescent current	130 µA @ 24 Vdc
Alarm current	50 mA @ 24 Vdc
Remote LED current	20 mA
Charging Time	30 seconds.
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +70°C
Relative humidity	RH 95% non-condensing
Ingress protection	IP42
Material	ABS/PC alloy
Dimensions	104.5x44.9 mm (Inc Base)
Mass	132 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 cable screens shall be connected continuous, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY

Connections

