

	EVOLUTION EVC-IR Conventional Dual Infra-Red Flame Detector	TD-EVC-IR-05
		November 2013
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TECHNICAL DATASHEET		

Part Numbers and Product Order Codes:-

Part Number	-	-	-	-	-	EVC-IR
Description	-	-	-	-	-	Conventional Dual IR Flame Detector
Computer Reference Number	-	-	-	-	-	
Nittan Standard	-	-	-	-	-	F04J60044

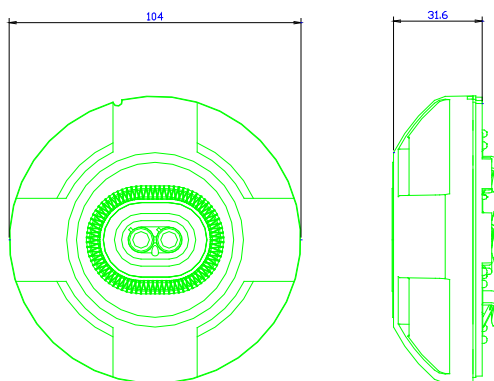
Technical Specifications:-

Sensor Method	-	-	-	-	-	CO2 Resonant Emission, Flickering, Dual Wavelength
Sensor Element	-	-	-	-	-	2 x Infrared Wavelength sensors
Sensor Class	-	-	-	-	-	Class 1(25m), Class 2(17m), Class 3(12m)
Operating Voltage	-	-	-	-	-	10V d.c. to 32V d.c.
System Voltage	-	-	-	-	-	24V d.c.
Quiescent Current	-	-	-	-	-	100µA
Alarm Current	-	-	-	-	-	50mA @ 24v
Sensor Viewing Angle	-	-	-	-	-	100° Max (±50°)
Current for external remote LED indicator	-	-	-	-	-	2mA
Operating Temperature	-	-	-	-	-	- 25°C to +70°C
Storage Temperature	-	-	-	-	-	- 25°C to + 70°C
Charging Time	-	-	-	-	-	30sec
Relative Humidity	-	-	-	-	-	≤ RH95% non-condensing.
I.P. Protection Rating	-	-	-	-	-	IP42
Material	-	-	-	-	-	ABS/PC alloy
Dimensions	-	-	-	-	-	Ø104mm x 29mm (Sensor head) Ø104mm x 45mm (Sensor head and UB Series Base)
Mass	-	-	-	-	-	127g (Sensor head) 186g (Sensor head and UB Series base)
Approval Conformance	-	-	-	-	-	EN54-10: 2002/A1:2005.
CE Certificate number	-	-	-	-	-	0832-CPD-1081
DoP Number	-	-	-	-	-	1081

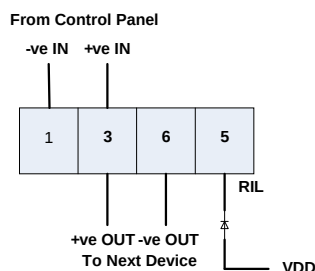
All wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1

All loop Cable Screens shall be connected together, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.

EVC-IR Dimensions



EVC-IR Terminal connections



Base : UB Series Base , STB-4SE Series Base