

## TECHNICAL DATASHEET

### Part Numbers and Product Order Codes:-

Part Number	-	-	-	-	-	EVC-PY-IS
Description	-	-	-	-	-	Evolution Conventional Intrinsically Safe Optical Detector
Computer Reference Number	-	-	-	-	-	F02N83300

### Technical Specifications:-

Sensor Method	-	-	-	-	-	Light Scatter
Sensor Element	-	-	-	-	-	1 x Light Emitting Diode
Operating Voltage	-	-	-	-	-	10V d.c. to 32V d.c.
System Voltage	-	-	-	-	-	24V d.c.
Quiescent Current	-	-	-	-	-	50µA at 24v
Alarm Current	-	-	-	-	-	50mA at 24v – limited by barrier to 0.66W in I.S. zone
Current for external remote LED indicator	-	-	-	-	-	2mA
Operating Temperature	-	-	-	-	-	- 20°C to + 50°C (Limited by ATEX Certification)
Storage Temperature	-	-	-	-	-	- 25°C to + 70°C
Charging Time	-	-	-	-	-	1 Minute
Relative Humidity	-	-	-	-	-	≤ RH95% non-condensing.
I.P. Protection Rating	-	-	-	-	-	IP42
Material	-	-	-	-	-	ABS
Dimensions	-	-	-	-	-	Ø104mm x 33mm (Sensor head) Ø104mm x 48mm (Sensor head and UB-4-IS base)
Mass	-	-	-	-	-	110g (Sensor head) 170g (Sensor head and UB-4-IS base)
EMC Conformance	-	-	-	-	-	BSEN50130-4
CE Conformity	-	-	-	-	-	EN54-7
CPR Number	-	-	-	-	-	0786-CPR-20883
ATEX Certification	-	-	-	-	-	Class 1G (Gas), T4 (Temperature)
ATEX Cert Number	-	-	-	-	-	ITS09ATEX26418X
DoP Number	-	-	-	-	-	20883

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.

