



Analogue Addressable Optical Smoke Detector with integral Sounder

EV-PYS

Part no. F20-82510

General Description

EV-PYS is an Optical Smoke Detector with integral Sounder compatible with Evolution analogue addressable system devices.

The device is an extremely efficient solution, in both cost and power consumption, for providing loop powered sounders combined with some detection.

The detector will fit to a range of Nittan bases including the dedicated Beacon Base EV-PYSVAD

Device address may be set using the Nittan EV-AD2-EXT Hand held programmer.

Approvals

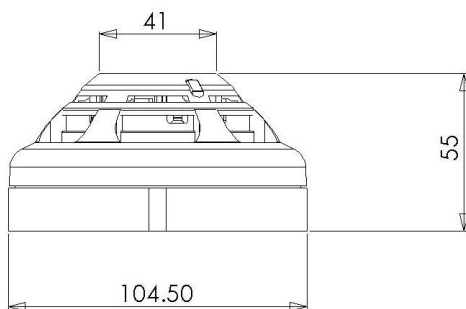
Test Standards EN 54-3: 2001 + A2: 2006
 EN 54-7: 2018

CPR Certificate 0905-CPR-00640

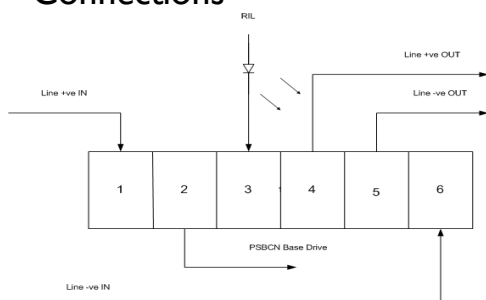
UKCA Certificate 0359-UKCA-CPR-00009

DoP Number 00640

Dimensions (mm)



Connections



Base: UB Series or EV-PYSVAD

Data

Sensor Type	Optical Light Scatter
Sounder Type	Type A Indoor
Sounder Device	Piezo
Sounder Output (Minimum)	77 to 88 dBa @ 1 metre (Directional dependent)
Sounder Tone Pattern	660/938Hz – 0.5/0.5 Sec
Operating voltage	24 VDC to 38 VDC
Quiescent current	200 µA
Alarm current	3.5mA (+ 5mA LED On)
Sounder Power Consumption	150 mW
Remote LED Indicator current	2.0mA
Ingress protection	IP42C
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +70°C
Relative humidity	RH 95%
Cable terminals	Max 2.5 mm ²
Material	FR-ABS
Material Specification (UL94)	V-2 (Min wall thickness)
Mass	145 g

All wiring must conform to the current edition of the Local National Wiring regulations.

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.