



# 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.

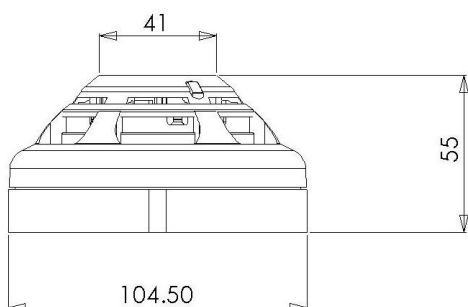
The detector will fit to a range of Nittan bases including the dedicated Beacon Base EV-PYSBCN

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

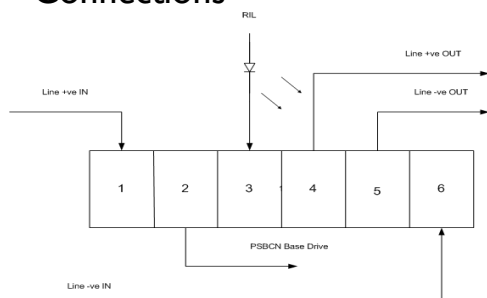
### Approvals

Test Standards	EN 54-3: 2001 + A2: 2006
	EN 54-7: 2001 + A2: 2006
CPR Certificate	0359-CPR-00640
DoP Number	00640

### Dimensions (mm)



### Connections



**Base:** UB Series or EV-PYSBCN

### 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	750/1000Hz – 0.5/0.5 Sec
Operating voltage	24 VDC to 38 VDC
Quiescent current	200 $\mu$ A
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 <sup>2</sup>
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.**