TECHNICAL DATASHEET

Part Numbers and Product Order Codes:-
Part Number - - - - - - EV-PS
Description - - - - - - Analogue Addressable Optical Sensor with Sounder.

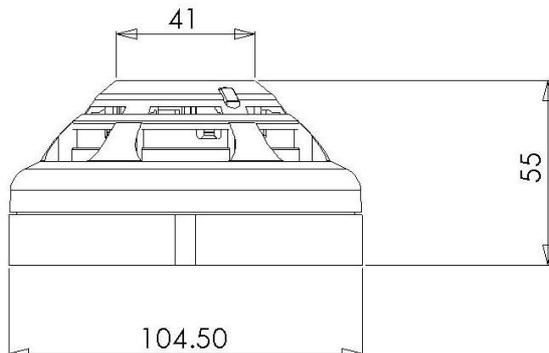**Computer Reference Number:** **EV-PS**
F20N82501

Technical Specifications:-
Sensor Method - - - - - - Light Scatter
Sensor Element - - - - - - 1 x Light Emitting Diode
Sounder Type - - - - - - Type A Indoor
Sounder Device - - - - - - Piezo
Sounder Output - - - - - - 83 to 88 db @ 1 metre (A-weighted)
Sounder Tones - - - - - - Standard two tone 750Hz/1000Hz 0.5/0.5sec Only.
Operating Voltage - - - - - 20V d.c. to 38V d.c.
System Voltage - - - - - - 35V d.c.
Quiescent Current - - - - - 200µA
Alarm Current - - - - - - 5mA (LED), 3.1mA (Sounder)
Current for external remote LED indicator - - 2mA
Power Consumption - - - - - 150mW Max (Sounder)
Operating Temperature - - - - – 10°C to + 55°C
Storage Temperature - - - - - – 25°C to + 70°C
Charging Time - - - - - - 1 minute
Relative Humidity - - - - - - ≤ RH95% non-condensing.
I.P. Protection Rating - - - - - IP42C
Addressing Method - - - - - Soft addressing, Non-Volatile EEPROM.
Material - - - - - - - FR-ABS – Flammability, UL94 V-2 (Min wall thickness)
Dimensions - - - - - - ∅104mm x 40mm (Sensor head)
∅104mm x 55mm (Sensor head and UB Series Base)
Mass - - - - - - - 145g (Sensor head)
200g (Sensor head and UB Series base)
EMC Conformance - - - - - EMC conformance to BSEN50130-4.
CE Conformity - - - - - - EN54-7, EN54-3
CPD Number - 2531-CPD-232.1710
DoP Number - - - - - - 1710

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.

EV-PS Dimensions

EV-PS Terminal connections