1(3) DATA SHEET



# Conventional Intrinsically Safe Optical Smoke Detector

# **EVC-PY-IS**

Part no. N1144

System: All Salwico fire alarm systems

## General description

EVC-PY-IS is an intrinsically safe Evolution conventional optical smoke detector.

The detector is equipped with an optical sensor with improved sensitivity to black smoke.

The detector is designed for use in areas with high explosion risk. It is connected to the fire alarm system via an intrinsically safe interface.

To avoid the possible risk of electrostatic charge, the unit must not be cleaned with solvents or charged by rubbing.

#### Data

Nominal voltage 24 VDC
Working voltage 10–32 VDC
Working current < 50 µA
Alarm current 50 mA

Ingress protection Depending on base

Relative humidity ≤ 95% RH

Non-condensing

Temperature range -20°C to +50°C Classification EN54-7:2000

Certification IECEx ITS 12.0074X ITS09ATEX26418X

Certified according to

**(€** 0786-CPD-21229

Cover material ABS
Colour White
Weight ~120 g

The expected life time of the product is affected by the environment it is mounted in.

The IP class stated is applicable for the connection base and cable glands. The smoke detector head must be open allowing smoke to enter.

For information about suitable base plates, see separate document "Base Matrix".



#### NOTE!

Do not remove the dust cover from the detector until all polluting (dusty) activities are finished and the area has been cleaned.

## Safety data

Max input voltage  $(U_i)$  28 V

Max input current  $(I_i)$  93.3 mA

Max input power  $(P_i)$  0.66 W

Max internal capacitance 1 nF

 $(C_i)$ 

Max internal inductance Negligible

 $(L_i)$ 

-20°C  $\leq$  T<sub>a</sub>  $\leq$  +50°C



#### WARNING!

#### Potential electrostatic charging hazard

- Do NOT clean with solvents.
- Do NOT charge by rubbing.
- Clean ONLY with a damp cloth.

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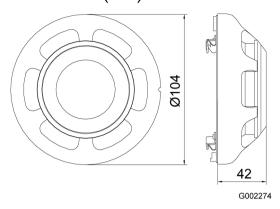
The specifications described herein are subject to change without notice.

Data sheet no. N1144\_EVC-PY-IS\_I0\_EN\_2018\_D



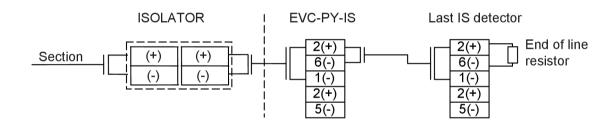
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# Dimensions (mm)



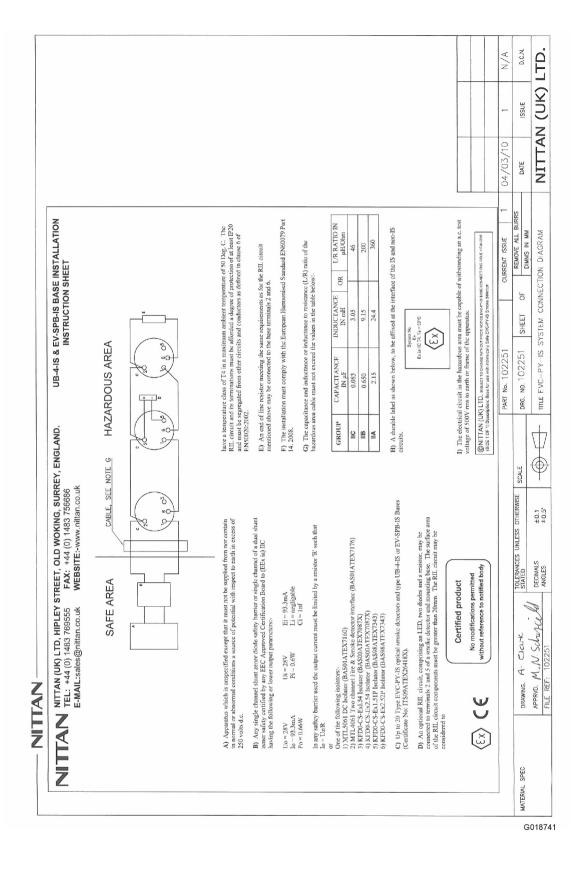
## Connection

## SAFE AREA HAZARDOUS AREA



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