1(3) DATA SHEET



# IS optical smoke/heat detector

## Salwico NS-AOHS-IS

Part no. N11250

G008710

System: CS3000\*, CS4000, NSAC-1, TERRA FIRE

### General Description

NS-AOHS-IS is an intrinsically safe analogue addressable multi sensor detector for Salwico fire alarm systems.

It uses a combination of two separate analogue sensor elements. One optical-smoke-sensor and one thermistor-heat-sensor. A SMOKEHEAT alarm is activated, regardless of which sensor being triggered. However, it's possible for the user to temporarily disable the smoke or heat sensor individually.

Alarm condition is indicated on the detector via a red LED. The LED is lit until the alarm has been reset on the control panel.

The address is set with a DIP switch, which is mounted on the backside of the detector.

NS-AOHS-IS is connected to the detector loop via an intrinsically safe isolator.

It is not possible to connect any remote LED indicator to NS-AOHS-IS.



# CAUTION! Certified product

No modifications permitted without reference to notified body.

#### Safety data

 $\begin{array}{lll} \text{Max input voltage } (U_i) & 28 \text{ VDC} \\ \\ \text{Max input current } (I_i) & 93.3 \text{ mA} \\ \\ \text{Max input power } (P_i) & 0.66 \text{ W} \\ \\ \text{Max internal capacitance } (C_i) & 1 \text{ nF} \\ \end{array}$ 

 ${\sf Max\ internal\ inductance\ }({\sf L_i}) \qquad {\sf Negligible}$ 

Responsible manufacturer Consilium Marine &

Safety AB, www.consilium.se

Only clean outside of detector by using a damp cloth.

#### Data

Smoke sensing method Light scattering type IR

(infra-red)

Working voltage 15 - 28 VDC

Working current 0.2 mA

Alarm current 2.5 mA

Temperature class CS (84 °C)

Temperature range -25 °C to +70 °C

Ambient humidity 0-95% RH,

non-condensing

Colour White

Weight  $100 \text{ g} \pm 5\%$  (head only)

 $365 \text{ g} \pm 5\%$  complete with adapter IP-ADAPT and

base IP-BASE

It is important only to use base adapter IP-ADAPT part. no. 5100775-00A together with IP-BASE part. no. 5100774-00A. For information about suitable bases, see separate document "Base matrix Salwico units".

\* SPK-2 for NOSE based detectors.

The specifications described herein are subject to change without notice.

Data sheet no. N11250 Salwico NS-AOHS-IS IO EN 2021 G



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#### Certifications

Salwico
NS-AOHS-IS
OPTICAL SURPRISHED TOTETOR
Port no. N11250

| Salwico | S

ATEX Ex ia

Certificate No: 05ATEX1136X Certified according to: EN 60079-0:2018 EN 60079-11:2012 EN 60079-26:2007

**€x** II 1G

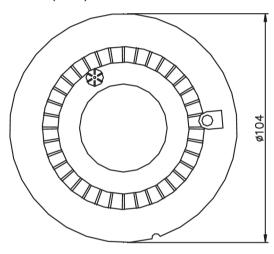
IECEx ia

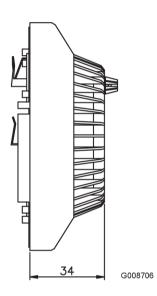
Certificate No: IECEx NEM 13.0009X Certified according to: IEC 60079-0:2017 IEC 60079-11:2011 IEC 60079-26:2006 Ex ia IIC T5 Ga -20°C ≤ Ta ≤ 70°C

Certificate No:

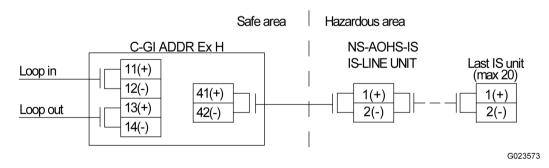
2531-CPR-232.1494 Certified according to: EN54-7:2000 + A2:2006 EN54-5:2000 + A1:2002 DOP No: 1494

## Dimensions (mm)





#### Connection



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