

Fire detection and evacuation solutions that save lives.

Orbis Intrinsically Safe – MultiSensor Detector

Features

- Responds well to fast-burning, flaming fires
- Transient rejection algorithms reduce false alarms
- Auto Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors
- Red flashing LED at StartUp confirms the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly
- DustDefy system prevents dust ingress while maintaining airflow

Description

The Orbis Intrinsically Safe Multisensor Detector benefits from the same false alarm reduction technology as the optical detector, enhanced by the addition of a thermal sensing element.

Multisensor smoke detectors are recognised as good detectors for general use but are additionally more sensitive to fast burning, flaming fires (including liquid fires) than optical detectors.

They can be readily used instead of optical smoke detectors but should be used as the detector of choice for areas where the fire risk is likely to include heat at an early stage in the development of the fire. This increased reliability of detection is combined with high immunity to false alarms.

The MultiSensor smoke detector is a thermally enhanced smoke detector and as such will not give an alarm from heat alone. The optical sensor is identical to the one in the Orbis optical detector. Its sensitivity is, however, influenced by a heat sensing element which makes the detector more responsive to fast-burning, flaming fires.

Classification

II 1G Ex ia IIC $-40^{\circ}\text{C} < \text{Ta} < +40^{\circ}\text{C} (\text{T5})$
 $-40^{\circ}\text{C} < \text{Ta} < +60^{\circ}\text{C} (\text{T4})$

BASEEFA Certificate Number

ATEX - Baseefa 06 ATEX 0007X
 IECEx - IECEx BAS 06.0002X



I.S. MultiSensor Detector

Specifications

Operating Voltage	14 to 28 VDC
Quiescent current	85µA at 24 VDC
Dimensions	100mm Dia x 60mm H inc base
Operating temperature	-40°C to +70°C (no icing) Class T5: - 40°C to +40°C Class T4: - 40°C to +60°C
Relative humidity	0 to 98% (non condensing)
IP rating	IP23D (indoor use)
Weight	80 grams (140g inc base)
Approvals	EN54-7

For further information refer respective Product Guide MAN3041.

Item Numbers

Australia	
201-0605	Orbis I.S. Multisensor Detector
International	
ORB-OH-53027-APO	Orbis I.S. Multisensor Detector