

FWOHX Multi-Criteria & Multi-Sensor Detector

The FWOHX is a **Digital Distributed Intelligence Multi-Criteria and Multi-Sensor** detector that also incorporates bi-directional short circuit isolators and a magnet test facility.

It is a point detection device that continuously monitors the environment for both smoke particles temperature in the protected area to provide the earliest warning of a fire condition.

Special algorithms utilise information from both the smoke and heat sensing elements to ensure high level of false alarm rejection without compromising genuine alarm sensing performance and enable it to adjust its sensitivity due to contamination. This is often referred to 'Drift Compensation'. When the device reaches 80% of its adjustment it will send a maintenance alarm to the CIE indicating that the device will need cleaning.

The device can also be used as a Multi-Sensor detector whereby each element can be utilised independently for customised cause and effect logic.

The enhanced design of the smoke inlet and optical chamber guarantees a very high resistance to the entry of dust, ensuring a higher level of false alarm rejection without compromising sensing performance.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Fusion AU-5000 control panels.

Key Features

- 9 modes of fully approved sensitivity settings
- Utilises the Fusion Digital Distributed Intelligence protocol with high noise rejection
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Dual bi-colour LEDs providing 360° cone of visibility
- Bi-directional short circuit isolators for ease of design and fault finding
- Magnet test facility
- Open style mounting base offers easy wiring and low-pressure locking



Key Features - continued

- Addressing using the Device Programming Tool or Auto addressing capability via the fire control panel
- AS7240.5 Heat Detectors
- AS7240.7 Smoke Detectors
- AS7240.15 Multi-Criteria Detectors
- AS7240.17 Short Circuit Isolators
- AS7240.13 Compatibility

Specifications

- Loop Voltage (*) 18-40 V dc
 - Average Standby Current 85 μ A @ 24V dc
 - Remote Output Max Current 20 mA
 - Max number of loop addresses 240
 - Operating Temperature Range -40°C / +70°C
 - Humidity (non condensing) Max 95% RH
 - Dimensions H x D 49 x 100 mm
 - IP Rating IP40 (IP42 with silicon base gasket)
 - Weight (Standard Base included) 130 g
- (*) Product operates down to 15 V, but without LED indication.

JAS-ANZ Certified Australian Approvals

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|-------------|-----------------------------|
| • AS7240.5 | Point Type Heat Detectors |
| • AS7240.7 | Point Type Smoke Detectors |
| • AS7240.17 | Short Circuit Isolators |
| • AS7240.13 | Compatibility of Components |
| • CertMark | Certificate Number PC10065 |

Part Numbers & Options

- FWOHX (Axis-OHX) Digital Multi-Criteria Detector c/w SCI
- FWOH (Axis-OH) Digital Multi-Criteria Detector (non SCI)
- FWMB (Axis-MB) Base
- FWS2AMB (Axis-S2AMB) Slave Sounder Base
- FWS2MB (Axis-S2MB) Addressable Sounder Base Synchronised
- FWSV2AMB (Axis-S2VAMB) Slave Sounder Beacon Base White Flash
- FWSV2MB-RF (Axis-S2VMB-RF) Slave Sounder Base Red Flash Synchronised
- FSV2MB (Axis-S2VMB-WF) Slave Sounder Base White Flash Synchronised
- FSMB (Axis-SMB) Addressable Sounder Base
- FWP (Axis-WP) Silicon Base Gasket

Note: The suffix 'X' denotes the device is fitted with a Short Circuit Isolator. The FWOH is the same as the FWOHX in terms of functionality, but it does not have an in-built short circuit isolator or a magnet test facility.