

Orbis Multi Sensor Combined Fire Detector

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PRODUCTS



.Multi Sensor Technology

The Multi Sensor detector combines inputs from optical and heat sensors and processes them using a sophisticated algorithm. When polled by the control panel it returns a signal which is determined by combined responses from both optical and heat sensors.

The Orbis Multi-Sensor detector is designed to be sensitive to a wide range of fires and may be used in place of an ionisation detector in many instances.

SPECIFICATION

Electrical

Voltage	8.5 - 33.0 Vdc
Supply Wiring	2 wire polarity sensitive
Max polarity reversal	0.2 secs
Power up time	<20 seconds
Switch on surge current @ 24 Vdc	120 μ A
Average quiescent current at 24 Vdc	65 μ A
Alarm Current at 24 Vdc	40mA
Alarm reset Voltage	<1 Vdc
Alarm reset time	1 second
Alarm load	600 Ω
Alarm Indicator	LED indicator with 360 deg visibility

Mechanical

Detector body material	Polycarbonate
Base material	Polycarbonate
Detector & base colour	White
Max RH	98% no condensation
Storage temp deg C	-40 to +70 deg C
Operating temp deg C	-40 to +70 deg C
Wind Speed	Unaffected by wind
IP rating	23
Detector & base dims	Diameter 100mm Height 57mm
Detector + base weight	0.14 Kg net 0.25 Kg gross packed

Orbis Detectors are fully compatible with Apollo Series 60 and series 65 detectors

See separate data sheet for Heat detectors, Intrinsically Safe and Marine approved detectors

Part Numbers and Approval listings are on page 2

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Part Numbers and Approvals

Product	Part No	Approvals			
		LPCB	VdS	VNIIP	CCC
Multisensor Detector with SensAlert/Fastest/DirtAlert	ORB-OP-13001-APO	X	X		
Multisensor Detector with Flashing LED/SensAlert/Fastest/DirtAlert	ORB-OH-13003-APO	X			
Multisensor Detector with SensAlert/Dirt Alert	OPX-OH-13005-APO	X	X		
Multisensor Detector with Flashing LED& SensAlert	ORX-OH-83010-APO			X	
MultisensorDetector with SensAlert	ORX-OH-83024-PRC			X	
Multisensor Detector with Flashing LED/SensAlert/Fastest/DirtAlert	ORB-OH-13003-PRC				X
Timesaver base	ORB-MB-00001-APO				
Timesaver deep base	ORB-MB-00019-APO				
Timesaver relay base	ORB-RB-10004-APO				

Note: Orbis detectors are not UL or FM approved

Other members of the Orbis family of heat and smoke detectors:

Orbis Marine Detectors - Smoke and heat detectors approved by leading marine classification societies

Orbis Intrinsically Safe Detectors - ATEX Certified for use in zone 0 areas when used with approved intrinsically safe galvanic barriers. Please contact our sales office for full technical support or visit our web site www.lgmproducts.com/hazardous_area.asp

Please contact our sales office for further information

Data sheets for all Orbis detectors are available on our web site

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