

Orbis

Heat Detector

L G M
PRODUCTS



Orbis is a range of modern, stylish detectors packed with practical features that make installation, commissioning and maintenance easy and efficient with new sensing and operating technologies that improve reliability and detection.

Static heat detectors (suffix S) respond only when a fixed temperature has been reached.

Rate of rise detectors (suffix R) respond to a sudden increases in temperature as well as having a fixed upper limit..

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

Sensitivity (EN54-5)

Heat Detector type	Typical Static Response $^{\circ}$ C
A1R, A1S, A2S	50
BR, BS	65
CR, CS	80

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

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

Part Numbers and Approval listings are on page 2

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Part Numbers and Approvals

LPCB Approved Heat Detectors

Class A1R Heat Detector with Flashing LED/SensAlert/Fastest
Class A2S Heat Detector with Flashing LED/SensAlert/Fastest
Class BR Heat Detector with Flashing LED/SensAlert/Fastest
Class BS Heat Detector with Flashing LED/SensAlert/Fastest
Class CR Heat Detector with Flashing LED/SensAlert/Fastest
Class CS Heat Detector with Flashing LED/SensAlert/Fastest

Part Nos

ORB-HT-11013-APO
ORB-HT-11014-APO
ORB-HT-11015-APO
ORB-HT-11016-APO
ORB-HT-11017-APO
ORB-HT-11018-APO

Orbis Vds approved Heat detectors

Class A1R Heat Detector with SensAlert
Class A2S Heat Detector with SensAlert
Class BR Heat Detector with SensAlert
Class BS Heat Detector with SensAlert
Class CR Heat Detector with SensAlert
Class CS Heat Detector with SensAlert
Class A1R Heat Detector with SensAlert/FasTest
Class A2S Heat Detector with SensAlert/FasTest
Class BR Heat Detector with SensAlert/FasTest
Class BS Heat Detector with SensAlert/FasTest
Class CR Heat Detector with SensAlert/FasTest
Class CS Heat Detector with SensAlert/FasTest

OPX-HT-11025-APO
OPX-HT-11026-APO
OPX-HT-11027-APO
OPX-HT-11028-APO
OPX-HT-11029-APO
OPX-HT-11030-APO
ORB-HT-11001-APO
ORB-HT-11002-APO
ORB-HT-11003-APO
ORB-HT-11004-APO
ORB-HT-11005-APO
ORB-HT-11006-APO

Orbis Chinese approved Heat Detectors

Class A1R Heat Detector with Flashing LED/SensAlert/FasTest
Class A2S Heat Detector Flashing LED/SensAlert/FasTest
Class BR Heat Detector with Flashing LED/SensAlert/FasTest
Class BS Heat Detector with Flashing LED/SensAlert/FasTest
Class CR Heat Detector with Flashing LED/SensAlert/FasTest
Class CS Heat Detector with Flashing LED/SensAlert/FasTest

ORB-HT-11013-PRC
ORB-HT-11014-PRC
ORB-HT-11015-PRC
ORB-HT-11016-PRC
ORB-HT-11017-PRC
ORB-HT-11018-PRC

Orbis Russian Approved Heat Detectors

Class A1R Heat Detector with Flashing LED/SensAlert
Class A2S Heat Detector with Flashing LED/SensAlert
Class BR Heat Detector with Flashing LED/SensAlert
Class BS Heat Detector with Flashing LED/SensAlert
Class CR Heat Detector with Flashing LED/SensAlert
Class CS Heat Detector with Flashing LED/SensAlert
Class A1R Heat Detector with SensAlert
Class A2S Heat Detector with SensAlert
Class BR Heat Detector with SensAlert
Class BS Heat Detector with SensAlert
Class CR Heat Detector with SensAlert
Class CS Heat Detector with SensAlert

ORX-HT-81055-APO
ORX-HT-81056-APO
ORX-HT-81057-APO
ORX-HT-81058-APO
ORX-HT-81059-APO
ORX-HT-81060-APO
ORX-HT-81131-APO
ORX-HT-81132-APO
ORX-HT-81133-APO
ORX-HT-81134-APO
ORX-HT-81135-APO
ORX-HT-81136-APO

Orbis Bases

Timesaver Base
TimeSaver Relay base
Orbis Deep Timesaver Base
Orbis Heater Base
Orbis Adaptor (from Series 60/65)

ORB-MB-00001-APO
ORB-RB-10004-APO
ORB-MB-00019-APO
ORB-HB-00020-APO
ORB-BA-10008-APO

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