

Discovery Marine Optical Smoke Detectors

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Key Features

- Rejection of transient signals
- Flashing LED option
- Five response modes for ease of optimisation to changing environments
- Drift compensation to ensure constant sensitivity
- Four bytes of user programmable non-volatile memory
- Alarm flag for fast alarm reporting
- 360° visibility in alarm
- Compatible with XP95 systems

SPECIFICATION

Electrical

Voltage	14 -28 Vdc
Supply Wiring	2 wire polarity insensitive
Communication Protocol	Apollo Discovery 5-9 V
Power up time	10 seconds max
Switch on surge current @ 24 Vdc	1 mA
Average quiescent current	400µA 650µA peak
Alarm Current with LED indicator on	3.4mA
Alarm Indicator	2 x LED indicator
Sampling Frequency	Every 1 second

Mechanical

Detector body material	Polycarbonate
Base material	Polycarbonate
Detector & base colour	White
Max RH	98% no condensation
Storage temp deg C	-30 to +80 deg C
Operating temp deg C	-20 to +60 deg C
Wind Speed	Unaffected by wind
IP rating	43
Detector & base dims	Diameter 100mm Height 50mm
Detector + base weight	0.16 Kg net 0.25 Kg gross packed

See page 2 for approvals, part numbers and accessories

Note: For Intrinsically Safe (I.S.) analogue addressable detectors use the XP95 series of detectors

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Discovery Marine

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Discovery Marine optical type smoke detectors carry the following marine approvals:

- LR Lloyd's Register of Shipping
- MCA Maritime and Coastguard Agency
- ABS American Bureau of Shipping
- BV Bureau Veritas
- DNV Det Norske Veritas
- GL Germanischer Lloyd
- CCS China Classification Society

Accessories and part numbers

Optical Detector	58000-600MAR
Std base + address card	45681-210MAR
Isolating base	45681-321MAR
Universal conduit box	45681-204-APO
Backplate	45681-233APO
Deckhead mounting box aluminium PG19 entries*	29600-131
Deckhead mounting box aluminium M20 entries*	29600-139
Deckhead mounting box plastic PG19 entries	29600-196
Deckhead mounting box plastic M20entries*	MBB-1
Base cover	45681-380APO

* Data sheet available

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