

# Discovery Marine Heat Detector

**L G M**  
**PRODUCTS**



## 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
Quiescent current	500µA average 750µA peak
Alarm Current with LED indicator on	3.4mA
Alarm Indicator	2 x LED indicator

### Sensitivity Table: Mode

Mode	Sensitivity (EN54-5)	Typical Static Response °C
1	A1R	57
2	A2	61
3	A2S	61
4	CR	90
5	CS	90

### 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	See sensitivity table
Wind Speed	Unaffected by wind
IP rating	53
Detector & base dims	Diameter 100mm Height 42mm
Detector + base weight	0.16 Kg net 0.25 Kg gross packed

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

See page 2 for approvals, part numbers and accessories

**LGM PRODUCTS LTD**  
**UNIT 18 RIVERSIDE INDUSTRIAL ESTATE**  
**FARNHAM**  
**SURREY GU9 7UG**  
**UNITED KINGDOM**

**TEL +44 (0) 1252 725257**  
**FAX +44 (0) 1252 727627**  
**E-mail Sales@Lgmproducts.com**  
**www.Lgmproducts.com**

# Discovery Marine

## Heat Detector

### Page 2

**L G M**  
**PRODUCTS**

#### Discovery Marine heat 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

Heat Detector	58000-400MAR
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

**LGM PRODUCTS LTD**  
**UNIT 18 RIVERSIDE INDUSTRIAL ESTATE**  
**FARNHAM**  
**SURREY GU9 7UG**  
**UNITED KINGDOM**

**TEL +44 (0) 1252 725257**  
**FAX +44 (0) 1252 727627**  
**E-mail Sales@Lgmproducts.com**  
**www.Lgmproducts.com**