

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

Approvals: LPCB, VdS **Detector Part No** 58000-400APO

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 |

Base Type

Base Part No

| | |
|-------------------------------------|--------------|
| Std base + address card | 45681-210APO |
| Isolating base | 45681-321APO |
| Low power relay base + address card | 45681-242APO |

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

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