ED801, DA801, DA802, DA803, DA813 ADDRESSABLE DETECTORS



Solution 2 Addressable detector series is specially designed to detect smoke, heat or both caused by fire in the environment and transmit the detection information S2 panels on CDS2 protocole

All detectors are certified by EN54 standard, which is the European standard (EN54-5 for heat detector, EN54-7 for smoke detector and EN54-17 for short-circuit isolator).

The ED801 and DA801 smoke detectors are highly effective for reporting fires early by detecting smoke in slow-starting fires, thus preventing the fire from spreading. These smoke detector models share similar technical specifications. However, they differ in appearance.

The DA802 heat detector is class A1 heat detector. It detects temperature increases in the environment, indirectly preventing fires. Additionally, it can detect temperature increases in fires caused by explosions and react earlier than smoke detectors.

The DA803 combined detector combines both smoke and heat detection capabilities. This versatile detector is effective in detecting both slow-starting fires and fires that occur with explosions. Due to its dual functionality and effectiveness in high-risk areas, it is preferred over other detectors.

The DA813 combined detector shares the same specifications as the DA803, with the additional feature of a built-in isolator. This allows the DA813 to isolate the next part of the loop line in the event of a short circuit.

Features

- Robust and aesthetic PC/ABS case
- Microprocessor based design
- Double sided light path indicator
- Self calibration
- Eliminate false alarms
- Led indicator output
- Class A1 heat perception
- Programmable by RB1201 address programmer
- Programmable address information in nonvole tile memory
- EN54-5, EN54-7 & EN54-17 Certified







EN54-5:2017 + EN54-7:2018 + EN54-17:2005

ED801 CPR No: 0370-CPR-3297 DA801 CPR No: 0370-CPR-3292 DA802 CPR No: 0370-CPR-3291 DA803 CPR No: 0370-CPR-3299 DA813 CPR No: 0370-CPR-3300



S2 ADDRESSABLE FIRE DETECTION AND CONTROL SYSTEM SOLUTION 2

TECHNICAL SPECIFICATIONS

| | ED801/DA801 | DA802 | DA803/DA813 |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| DESCRIPTION | Optical Smoke Detector | Heat Detector | Combined Detector |
| STANDARDS | EN54-7/17 | EN54-5/17 | EN54-5/7/17 |
| LOOP OPERATING VOLTAGE | 16 - 30 Vdc | 16 - 30 Vdc | 16 - 30 Vdc |
| LOOP OPERATING CURRENT | <200μA @ 24 Vdc | <200µA @ 24 Vdc | <200µA @ 24 Vdc |
| MAXIMUM ALARM CURRENT | <4 mA @ 24 VDC (LED on) | <4 mA @ 24 VDC (LED on) | <4 mA @ 24 VDC (LED on) |
| ADDRESSING MODE | Manual Addressing | Manual Addressing | Manual Addressing |
| SPECIFICATIONS | | | |
| SYSTEM WIRING | 1,5 mm ² 2 core loop | 1,5 mm ² 2 core loop | 1,5 mm ² 2 core loop |
| AREA COVERAGE | 50 m ² | 50 m ² | 50 m ² |
| MOUNTING POSITION | Ceiling Mount | Ceiling Mount | Ceiling Mount |
| MOUNTING BASES | DT102, DT202, ST805 | DT102, DT202, ST805 | DT102, DT202, ST805 |
| HEAT CLASS | N/A | A1 | N/A |
| INDICATION | 360° visibily led indicator | 360° visibily led indicator | 360° visibily led indicator |
| SENSITIVITY | 0,24 dB/m | N/A | 0,24 dB/m |
| ISOLATOR SPECIFICATIONS | | | |
| ISOLATOR TYPE/SWITCH CURRENT | N/A | N/A | SSCS (A.3) / 230-400mA |
| ISOLATOR RECONNECT/LEAKAGE CURRENT | N/A | N/A | 3-13mA / max. 18mA |
| STANDBY CURRENT/SERIAL RESISTANCE | N/A | N/A | max. 150uA / max. 1 ohm |
| ENVIRONMENTAL SPECIFICATIONS | | | |
| HUMIDITY | 10% - 93% Relative Humidit | y 10% - 93% Relative Humidit | y 10% - 93% Relative Humidity |
| | Non-condensing | Non-condensing | Non-condensing |
| OPERATING TEMPERATURE | -10°C - 50°C | -10°C - 50°C | -10°C - 50°C |
| ENVIRONMENTAL CATEGORY | IP21 | IP21 | IP21 |
| PHYSICAL SPECIFICATIONS | | | |
| CASE MATERIAL | PC/ABS Case | PC/ABS Case | PC/ABS Case |
| DIMENSIONS (H x D) | 45 x 103 mm | 45 x 103 mm | 45 x 103 mm |
| WEIGHT | 140 grams | 140 grams | 140 grams |
| COMPATIBILTY | | | |
| AP104 ADDRESSABLE FIRE PANEL | No | No | No |
| AP204 ADDRESSABLE FIRE PANEL | Yes | Yes | Yes |
| AP304 ADDRESSABLE FIRE PANEL | No | No | No |
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