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

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Fire and Gas Control Systems

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

	ED801/DA801	DA802	DA803/DA813
SYSTEM WIRING	1,5 mm² 2 core loop	1,5 mm² 2 core loop	1,5 mm² 2 core loop
AREA COVERAGE	50 m²	50 m²	50 m²
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

	ED801/DA801	DA802	DA803/DA813
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

	ED801/DA801	DA802	DA803/DA813
HUMIDITY	10% - 93% Relative Humidity Non-condensing	10% - 93% Relative Humidity Non-condensing	10% - 93% Relative Humidity Non-condensing
OPERATING TEMPERATURE	-10°C - 50°C	-10°C - 50°C	-10°C - 50°C
ENVIRONMENTAL CATEGORY	IP21	IP21	IP21

PHYSICAL SPECIFICATIONS

	ED801/DA801	DA802	DA803/DA813
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

	ED801/DA801	DA802	DA803/DA813
AP104 ADDRESSABLE FIRE PANEL	No	No	No
AP204 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes
AP304 ADDRESSABLE FIRE PANEL	No	No	No

103,00   45,00   103,00   45,00

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