



DA803, DA813 ADDRESSABLE COMBINED DETECTORS



Solution 2 Addressable combined 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 protocols

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 DA803, DA813 combined 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 DA803, DA813 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 nonvolatile memory
- EN54-5, EN54-7 & EN54-17 Certified

Certificates:



Applus⁺



Top Techno Fire & Safety Co. LLC





TECHNICAL SPECIFICATIONS

	DA803/DA813
DESCRIPTION	Combined Detector
STANDARDS	EN54-5/7/17
LOOP OPERATING VOLTAGE	16 - 30 Vdc
LOOP OPERATING CURRENT	<200µA @ 24 Vdc
MAXIMUM ALARM CURRENT	<4 mA @ 24 VDC (LED on)
ADDRESSING MODE	Manual Addressing

SPECIFICATIONS

SYSTEM WIRING	1,5 mm ² 2 core loop
AREA COVERAGE	50 m ²
MOUNTING POSITION	Ceiling Mount
MOUNTING BASES	DT102, DT202, ST805
HEAT CLASS	N/A
INDICATION	360° visibility led indicator
SENSITIVITY	0,24 dB/m

ISOLATOR SPECIFICATIONS

ISOLATOR TYPE/SWITCH CURRENT	SSCS (A.3) / 230-400mA
ISOLATOR RECONNECT/LEAKAGE CURRENT	3-13mA / max. 18mA
STANDBY CURRENT/SERIAL RESISTANCE	max. 150uA / max. 1 ohm

ENVIRONMENTAL SPECIFICATIONS

HUMIDITY	10% - 93% Relative Humidity
	Non-condensing
OPERATING TEMPERATURE	-10°C - 50°C
ENVIRONMENTAL CATEGORY	IP21

PHYSICAL SPECIFICATIONS

CASE MATERIAL	PC/ABS Case
DIMENSIONS (H x D)	45 x 103 mm
WEIGHT	140 grams

COMPATIBILITY

AP104 ADDRESSABLE FIRE PANEL	No
AP204 ADDRESSABLE FIRE PANEL	Yes
AP304 ADDRESSABLE FIRE PANEL	No

