ALPHA 4/8/12

Conventional fire detection control panel

- ***From 4 to 12 detection zones / from 1 to 2 extinguishing zones***
- ***Standard en54-2 / en54-4 (extinguishing: en 12094-1)***

ALPHA 4/8/12, modular, compact and economic, is the adapted solution for small installations.
It is microprocessor controlled with SMD technology and with panel programming it is easy to use and install.
With its **4 zones** in the basic version and its design, it is adapted for small installations.
Thanks to its optional modules, ALPHA 4/8/12 can be extended to **12 detection zones** maximum (**384 conventional points**) or **2 extinguishing channels** maximum (1 extinguishing channel per extinguishing module). Thanks to its 2 slots ALPHA 4/8/12 can provide the following optimal solutions:

- ***4 detection zones + 2 extinguishing channels***
- ***8 detection zones + 1 extinguishing channel***
- ***12 detection zones***

Main features

- From 4 (128 points) to 12 (384 points) conventional detection lines
- 2 Extinguishing zones manageable
- 32 detectors and/or MCP each line
- Monitored sounders line
- Day/night mode
- Keyboard programmable ad access level 3
- Easy management

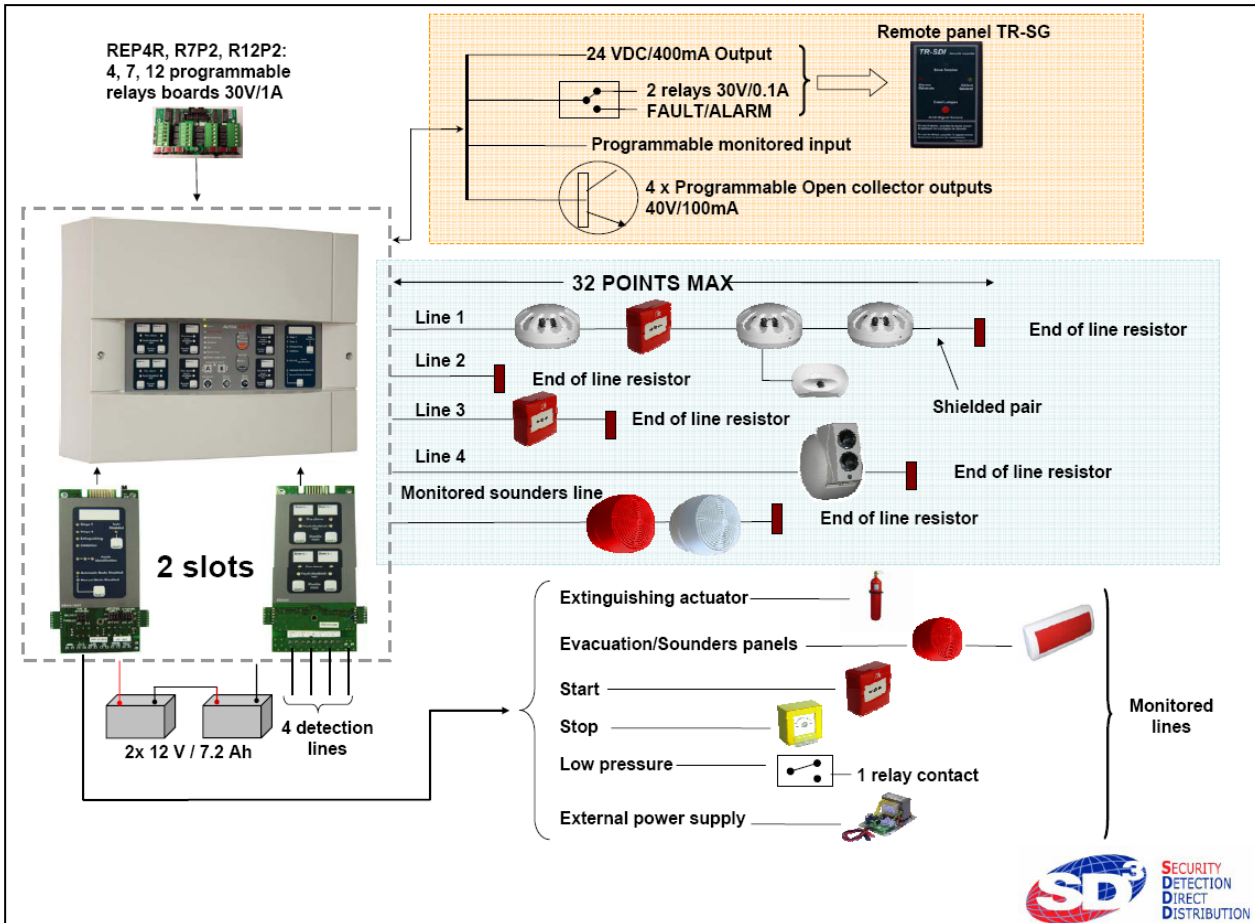| Electrical specification	
Mains supply voltage	230V ~ 50 / 60 Hz
Operating voltage	27Vdc
Wiring	From 0,5 mm^2 (500m max) to 2,5 mm ^{2} (2500m max)
Batteries	2 x 12V/7,2AH
Maximum current supplied	1A
Mechanical characteristics	
Dimensions (mm) / weight (without batteries)	300x370x118 (h x w x d) / 2Kg
IP rating	31
Climatic characteristics	
Operating temperature	0°C to 50°C
Inputs/outputs	
AR4D base detection module: 4 detection lines (128 points)	
1 monitored programmable input: external power supply state monitoring (standard configuration), external sounders line activation, external reset panel	
1 monitored sounders line	24V/450mA
1 monitored external power supply output	24V/450mA
4 programmable open collector outputs: alarm, pre alarm, disabled, test, system fault, power supply fault, fault warning, evacuate, active, buzzer on, reset	40V/0,1A
1 Alarm NC/NO & 1 Fault NC/NO relay contact	30V/1A
Options	
REP4R, R4P2, R7P2, & R12P2	4, 7, & 12 potential free contact relays boards 30V/1A
EX4A4 detection module	4 detection lines (32 det./line)
DEAG extinguishing module	- Extinguishing actuators line (solenoid or pyroelectric), 24Vdc/1,2A - Indicators/sounders line, 24Vdc/1A - Manual extinguishing line - Inhibition line - Pressure contact line - External power supply

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REP4R, R7P2, R12P2:
4, 7, 12 programmable
relays boards 30V/1A

Remote panel TR-SG

24 VDC/400mA Output

2 relays 30V/0.1A
FAULT/ALARM

Programmable monitored input

4 x Programmable Open collector outputs
40V/100mA

32 POINTS MAX

Line 1

End of line resistor

Line 2 — End of line resistor

Shielded pair

Line 3 — End of line resistor

Line 4

End of line resistor

Monitored sounders line — End of line resistor

2 slots

2x 12 V / 7.2 Ah

4 detection
lines

Extinguishing actuator

Evacuation/Sounders panels

Start

Stop

Low pressure — 1 relay contact

External power supply

Monitored
lines

REFERENCE	DESCRIPTION
ALPHA 4/8/12	12 zones fire detection conventional panel equipped with 4 zones
OPTIONS & ACCESSORIES	
EX4A4	4 zones expansion board
EX4A4 (EX)	4 zones expansion board for intrinsically safe products management
DEAG	1 zone extinguishing board
REP4R	4 programmable relays board (free voltage contact) 30V/0,3A
R4P2	4 relays board (free voltage contact) 30V/0,3A
R7P2	7 relays board (free voltage contact) 30V/0,3A
R12P2	12 relays board (free voltage contact) 30V/0,3A
TR-SDI	Remote indicator panel with leds and function keys
COA4812	Empty box covered to contain extra batteries