

Fire Alarm System FR-8000



Monitor up to 8 Zones

The FR-8000 Fire Monitor provides an intelligent networked solution for the monitoring up to 8 zones. The system consists of the FR-8000 display (as seen above), one FR-100 8 zone sensor input unit, and up to two FEC-6 engine room relay units (optional). This system allows for the monitoring of up to two cylinder release doors and cylinder fill/empty switches.

The system communicates via a 2-wire network cable with a maximum cable length of 1000 metres.

FR-8000 DISPLAY UNIT

Features include:

- Full indication from one central location on your boat
- Visual indication of fire or fault
- Audible indication of fire or fault
- Isolate any zone
- All zone names programmable eg. saloon; engine room; upper deck; master cabin.
- Backlight

FR-100 The zone controller which manages the sensors.

Features include:

- 8 separate zone inputs
- Output relays x 2
- 10 A resistive @ 24VDC
- Relay 1 and Relay 2 close on fire detection
- Relay 2 opens when all zones OK

FEC-6 The engine room controller unit (optional).

Features include:

- 6 relays
- Output relay 1 to 4 = 10 A resistive @ 24VDC
- Output relay 5 & 6 = 1 A resistive @ 30VDC
- Relay 4 activated on a programmable timer
- Relay 5 opens when alarm is muted
- 4 inputs (for extinguisher cylinder empty/fill switches)

Supply Voltage: 12 ~ 32 Volts DC (Auto sensing) | Quiescent Current: 12 milliamps (with backlight off)
Backlight Reverse polarity protected | Network cable length = 1000m | Voltage & EMI protected
Data retention: 50 years (without power)