



FIREtec The Professional Fire Installers' Choice

1, 2 & 4 ZONE FIRE DETECTION AND ALARM SYSTEMS



EMERGI-LITE

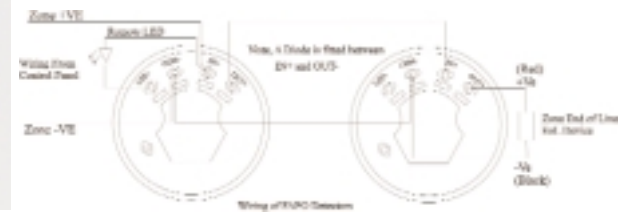
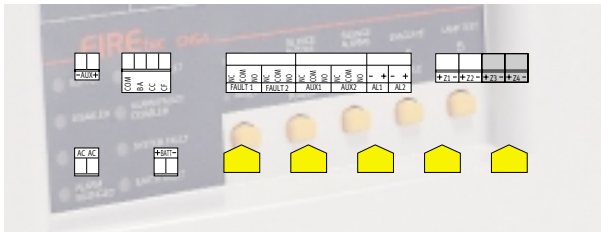
EMERGENCY LIGHTING & FIRE DETECTION SPECIALISTS



Fire detection and alarm panel: 1 to 4 Zone

Features

- Approved to EN54 parts 2 & 4, and suitable for BS5839-1:2002 installations
- Push button operation with coded access
- 24 volt sounder output
- 1 man walk-test operation
- 72 hour standby
- Easy installation
- Models for 1,2 and 4 zones
- Complete package: End of line devices, batteries and logbook are all included with the panel.



Order Code	FTEN1	FTEN2	FTEN4
Zones of Fire Protection	1	2	4
Detection Circuits	<ul style="list-style-type: none"> • Compatible with Emergi-Lite: Orbis smoke and heat detectors with diode base. Maximum number of 32 detectors per zone. • Compatible with 220-680 Ohm call points. 		
Sounder Outputs	2 circuits per panel Rated @ 24V d.c. 300mA maximum per panel.		2 circuits per panel Rated @24V d.c. 1A maximum per panel
Auxiliary Relay Contacts	Two sets of volt-free contacts rated 30V d.c. @ 2A.		
Class Change	A pair of normally open terminals		
Fault Monitoring	• Zone: open and short circuit monitoring using end of line resistor/diode unit.		
Power Supply & Standby	230V a.c. I/P; +10%, -6% 24V 250mA auxiliary fused and monitored. 72 hour standby, with 2mA detector load and 30 minutes of 300mA alarm load.		230V a.c. I/P; +10%, -6% 24V 250mA auxiliary fused and monitored. 72 hour standby, with 4mA detector load and 30 minutes of 1A alarm load.
Controls	5 push buttons with coded entry access		
Dimensions hwd (mm)	261 x 306 x 78		
Construction	Moulded polycarbonate plastic facia to mild steel back box in grey		
Fault Output	Volt free contact rated 30V d.c.@2A		
Pulse Alert	1 pair of normally open terminals		
Common Fire Output (transistorised)	Open collector output		
Device Compatibility	Compatible with Emergi-Lite Orbis and Series 60 devices		



Smoke Detectors & Heat Sensors

Emergi-Lite: Orbis brings the latest in fire detector microprocessor technology to the Firetec and Eurofire systems. Non-addressable (conventional) smoke and heat sensors respond to fire situations within a given zone, sending a signal to the fire panel, which will indicate a fire condition and sound the alarm.

Orbis provides valuable core features, with high reliability, a marked reduction in unwanted false alarms, complemented by operational and maintenance enhancements.

StartUp	Correct installation – a flashing red LED.
Continuity link	Zone wiring can be voltage tested before commissioning.
Wide angle optics	Responsive to fires with black or white smoke.
DustDefy	Dust ingress prevented while airflow is unimpeded.
Transient Rejection	Abnormal readings are filtered out to reduce false alarms.
DirtAlert	A flashing yellow LED will indicate when the drift compensation limit has been reached.
SensAlert	A flashing yellow LED indicates incorrect sensor operation.
Fast Test	A 4 second test confirms correct detector operation.
TimeSaver base	An open and accessible design.
E-Z Fit slots	Remove and refit the base without dismantling the fixing screws

Optical Smoke Detector

FAPO-OPT

The optical detector is designed to respond to a broad spectrum of fires reliably. The sensor takes atmospheric samples every 4 seconds, which are processed by microprocessor to eliminate false alarms, and give a true alarm state when needed.

Optical smoke and thermally enhanced detector

FAPO-MUS

The detector uses optical and heat sensing technology in deciding when to trigger an alarm condition. The unit is designed as a smoke detector and cannot be switched from smoke to heat detection.

Heat detector - Rate of rise

FAPO-RR1
FAPO-RR2
FAPO-RR3

The heat detector will monitor the rate of temperature increase in the vicinity and will also be triggered when a fixed upper threshold temperature level is exceeded. Readings are taken every 2 seconds, the stored values are compared against a preset value to decide if an alarm level has been reached.

Temperature thresholds: RR1= 50 °C, RR2 = 65 °C, RR3 = 80 °C

Heat detector – Fixed temperature

FAPO-HR1
FAPO-HR2
FAPO-HR3

The fixed (static) heat detector will trigger when a preset upper temperature threshold is exceeded at the sensor.

Temperature thresholds: HF1= 50 °C, HF2 = 65 °C, HF3 = 80 °C

Detector base

FAPO-TDB

The standard detector base has a diode fitted beneath the connectors. A link in the base allows for voltage testing of zone wiring before commissioning.

Detector indicator – remote use

FAP6-P10

A semi-flush pattress with LED indicator to show when a hidden detector (say a duct device) has operated.



FAPO-OPT



FAPO-MUS



FAPO-RR1



FAPO-RR3



FAPO-TDB



FAP6-P10

Optical beam smoke detectors

The beam detectors listed are designed to provide detection over large open areas with a ceiling height above 8m, where point detectors are inappropriate (typically a warehouse space, hotel atrium or large auditorium).

Optical beam smoke detector: 'Transmitter to receiver' – range 100m **FBEAM-2000**

The set comprises a control unit mounted at low level with a transmitter and a receiver unit mounted facing each other at high level. The signal passing between them is analysed for smoke presence to activate an alarm condition.

Optical beam smoke detector: 'Reflective type' – range 50m **FBEAMR50**

Optical beam smoke detector: 'Reflective type' – range 100m **FBEAMR100**

An infra-red transmitter and receiver are housed in a single body. The signal is aimed at a reflector on the opposite wall and the return is analysed for smoke presence. A fire condition is activated if a predetermined level is reached.



FBEAMR50

Manual break glass call points

Manual call point – semi-recessed, with LED

Manual call point – surface mount, with LED

Manual call point with 2 way key switch

Manual call point – semi-recessed.

Manual call point – surface mount

The FMC range of call points are fitted with a frangible element for safe operation. Surface and semi-recessed options are available. A key test facility is situated on the underside, which is fully reset when the key is removed. The LED in the 100, 200 models confirms that the MCP has been activated.

Manual call point accessories

Call point elements, glass (pack of 10)

Call point elements, non-frangible plastic (pack of 10)

Back box in red for surface mounting

Spare test key (pack of 10)

Hinged plastic cover

Hinged plastic cover with security tie

A set of accessories for the FMC call point.

Weatherproof manual break glass call points

Manual call point – surface mount, with LED

Manual call point – surface mount

Units with WP prefix are ingress rated to IP65, with a fully gasketed back box.

Alarm Devices

Bedhead room sounder – red

Bedhead room sounder – red with twin LED visual indicators

Bedhead room sounder – white

Bedhead room sounder – white with twin LED visual indicators

A slim sounder in red suited for use in sleeping accommodation including rooms and corridors.

Optional units are available with visual indicators

General purpose sounder – red, with shallow base

General purpose sounder – red, with deep base

General purpose sounder – white, with shallow base

General purpose sounder – white, with deep base

A multi-purpose high output sounder with 3 sound levels to up to 105dBA.

Four selectable tones are available. The deep base unit is ingress rated to IP65.

FMC-100R

FMC-200R

FMC-2KSW

FMC-700R

FMC-800R

FMC-800R

FMC-10G

FMC-10GRS

FMC-BBR

FMC-KEY

FMC-PC

FMC-PCS

1 FMC-KEY

FMC-2KSW

FMC-200-RWP

FMC-800-RWP

FMC-800-RWP

FACS-1R

FACS-1RL

FACS-1W

FACS-1WL

FACS-1R & FACS-1WL

FACS-4R

FACS-4RDB

FACS-4W

FACS-4WDB

FACS-4R

Field Devices

Alarm Devices (continued)

Low profile – base sounder in white

Cap plate in red

Cap plate in white

The sounder can be installed in combination with a fire detector and detector-mounting base, or as a stand alone spatial sounder with cap plate fitted. Four tones are available, selectable as 'warble', 'sweep', 'pips' or 'continuous note'.

FACS-5W

FACS-5TPR

FACS-5TPW

Beacon – red body

Beacon – red body, deep base

A compact high illumination, low current device. Deep base versions are rated to IP65. A bayonet fit arrangement with locking tool is provided for security.

Options: white body

FACS-BEA-R

FACS-BEA-RDB

FACS-BEA-W

FACS-BEA-WDB

Sounder beacon: Red body, red lens

Sounder beacon: Red body, red lens, deep base

A low current device ideal for hospitals, sheltered accommodation and application requiring extra light output. Tones and volumes are DIL switch selectable, and for security a grub screw-locking device is included. Provides 103dBA at upper sound level. Deep based versions are rated to IP65

Option: Base colour in white.

Option: Amber lens

FACS-8R

FACS-8RDB

FACS-8W, 8WDB

Add A to code

Fire bell: 102mm diameter, red

Fire bell: 150mm diameter, red

Fire bell: weather proof, 150mm diameter, red.

A 150mm diameter bell, with motorized action and rated to provide up to 95dBA at 1m.

FAAB-424

FAAB-624

FAAB-624-WP

Accessories and additional equipment

Electromagnetic door retainer – 24 volt.

Electromagnetic door retainer –230v50Hz

Electromagnetic door retainer – Floor mount

Electromagnetic door retainer –230v50Hz : Floor mount

The FDMW is a wall-mounted device with a rated holding force of 112 Newtons (11.4kg).

On 'power off' a centrally mounted spring loaded release pin pushes the fire door away from the magnet position. Floor mounted versions are available.

FDMW-024

FDMW-240

FDMF-024

FDMF-240

24 volt power supply –door magnet units

The unit is capable of supporting up to 30, 24-volt door magnet units rated at 65mA each.

24 volt 1.5A power supply

Blanking plate kit – security use

A useful regulated power supply rated at 24V dc 1.5A complete with batteries. The unit is supplied in a metal enclosure finished in cool grey.

An optional blanking kit is available to allow the user to cover knockouts on the panel (the plate can be used as template to drill out a knockout).

FDMPSU

FPSU15

FPSU-BP

4 pole changeover relay unit

The unit provides 4 changeover contacts rated at 230Vac 5A. The gear is mounted in a small IP56 enclosure (195 x 150 x 80mm). A 24V dc supply is needed from the fire panel.

F4PCO

Vibrating alarm – for use with hearing impairment

This alarm device has been designed to alert a person with hearing impairment in sleeping accommodation. The slim plastic housed slipper unit, controlled from 24V dc fire alarm circuit, can be placed beneath a pillow or under a mattress. When an alarm condition is registered the slipper will vibrate. Dimensions lwd (mm): 200 x 78 x 43.

FVBM-024

Remote alarm unit

A compact unit for remote use with buzzer and red LED indicator

FRA-200-W



FACS-5W & FACS-5TPW (Inset)



FACS-BEA-R & FACS-8WDB



FAAB-424 & FAAB-624-WP



FDMW-024



FPSU15



FVBM-024

Order code summary

Product order codes	Description	Product order codes	Description
Fire panels			
FTEN1	Firetec EN54 1 zone panel	FAPO-RR2	Heat detector, rate of rise
FTEN2	Firetec EN54 2 zone panel	FAPO-RR3	Heat detector, rate of rise
FTEN4	Firetec EN54 4 zone panel	FAPO-MUS	Thermally enhanced smoke detector
FTEN-BP	Knockout blanking plate for added enclosure security	FAPO-OPT	Smoke detector, optical
FTEN-SPARES	Spares pack including end of line device and fuses	FAPO-TDB	Detector base with diode
F4PCO	4 pole changeover relay unit	FBEAM-2000	Optical beam smoke detector, 'transmitter-receiver' 100m
Alarm Devices			
FAAB-424	Fire bell: 102mm diameter, red	FBEAMR100	Optical beam smoke detector, 'reflective type' 100m
FAAB-624	Fire bell: 150mm diameter, red	FBEAMR50	Optical beam smoke detector, 'reflective type' 50m
FAAB-624-WP	Fire bell: weather proof, 150mm diameter, red	Call points	
FACS-1R	Bedhead room sounder – red	FMC-100R	Manual call point – semi-recessed, with LED
FACS-1RL	Bedhead room sounder – red with twin LED visual indicators	FMC-10G	Call point elements, glass (10 pack)
FACS-1W	Bedhead room sounder – white	FMC-10GRS	Call point elements, non-frangible plastic (10 pack)
FACS-1WL	Bedhead room sounder – white with twin LED visual indicators	FMC-200R	Manual call point – surface mount, with LED
FACS-4R	General purpose sounder – red, with shallow base	FMC-200-RWP	Manual call point – surface mount, with LED
FACS-4RDB	General purpose sounder – red, with deep base	FMC-2KSW	Manual call point with 2 way key switch
FACS-4W	General purpose sounder – white, with shallow base	FMC-700R	Manual call point – semi-recessed
FACS-4WDB	General purpose sounder – white, with deep base	FMC-800R	Manual call point – surface mount
FACS-5TPR	Cap plate in red	FMC-800-RWP	Manual call point – surface mount
FACS-5TPW	Cap plate in white	FMC-BBR	Back box in red for surface mounting
FACS-5W	Low profile – base sounder in white	FMC-KEY	Spare test key
FACS-8R	Sounder beacon: Red body, red lens	FMC-PC	Hinged plastic cover
FACS-8RDB	Sounder beacon: Red body, red lens, deep base	FMC-PCS	Hinged plastic cover with security tie
FACS-BEA-R	Beacon – red body	Ancillary Devices	
FACS-BEA-RDB	Beacon – red body, deep base	FDMF-024	Electromagnetic door retainer – Floor mount
Detectors			
FAP6-P10	Remote detector indicator	FDMF-240	Electromagnetic door retainer – 230v 50Hz: Floor mount
FAPO-HR1	Heat detector, fixed temperature	FDMP5U	24 volt power supply –door magnet units
FAPO-HR2	Heat detector, fixed temperature	FDMW-024	Electromagnetic door retainer – 24 volt
FAPO-HR3	Heat detector, fixed temperature	FDMW-240	Electromagnetic door retainer –230v 50Hz
FAPO-RR1	Heat detector, rate of rise	FPSU15	24 volt 1.5A power supply
		FPSU-BP	Blanking plate kit – security use
		FRA-200-W	Remote alarm unit
		FVBM-024	Vibrating alarm – for use with hearing impairment

Other fire detection product ranges

A full suite of panels, for specific uses, is available to complement the Firetec range:

Eurofire – High specification Conventional, 4-wire and 2-wire versions
 Anatec Pro – Analogue addressable
 Radio Fire Systems

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