

FIRE DETECTION

FX4200 PG 88



MF200/MF400 PG 88



FX220 PG 89



FX2200/BW PG 89



MF9300 PG 90



CALLPOINTS PG 90



CONVENTIONAL DETECTORS PG 91



BELLS PG 92



CONVENTIONAL SOUNDERS PG 94



SYSTEM ANCILLARIES PG 102



FX4200

- Choice of 2 or 4 zone panels
- Complies with EN54
- Programmable fire/fault output relay
- Supplied complete with battery and end of line devices



Easy to install and use, the Firedex 4200 series of conventional fire panels delivers basic fire detection and alarm facilities at exceptional value for money. Designed with smaller installations in mind, a choice of 2 or 4 zone compact panels are available, each capable of having up to 20 detectors connected per zone. End of line devices for both detector and alarm circuits are conveniently supplied as standard. Firedex 4200 systems are also easy to use, with a simple "one-shot" test facility to ensure regular mandatory testing can be quickly and regularly accomplished. Other standard features, such as class change, zone or sounder circuit disabling and programmable relay output facilities complete a highly competitive solution.

Catalogue No.	Description
FX4202	JSB 2 Zone 4200 Series Fire Panel
FX4204	JSB 4 Zone 4200 Series Fire Panel

MF200/MF400

- One man walk test facility
- Large choice of cable entry facilities
- Supplied with batteries
- Supplied with all end of line devices



MF200 & MF400 are low cost panels, supplied complete with battery and end of line monitoring devices. The products are ideal for small installations where cost and simplicity of operation are the prime considerations.

24V outputs are provided for remote signalling of fire and fault conditions, these can be converted to relay outputs by use of the MAR424 relay board which fits inside the fire alarm enclosure.

Catalogue No.	Description
MF200	2 zone low cost conventional panel - 24 Hr Standby
MF400	4 zone low cost conventional panel - 24 Hr Standby
MF40072	4 zone low cost conventional panel - 72 Hr Standby
MAR424	Fire and fault relay PCB



FX2200

- EN54 approved
- Supplied with battery
- Supplied with end of line devices
- Charger temperature compensation



The FX2200 series is a range of fire panels designed for maximum flexibility and suitable for a wide range of projects. Installation time is kept to a minimum by providing a wide choice of cable entry facilities, conveniently located terminations and a single battery.

FX2208 panels are compatible with repeater panels as standard. If a repeater is required for 2 and 4 zone panels, FX2202CR or FX2204CR control panels should be ordered instead.

Catalogue No.	Description
FX2201	1 zone conventional control panel
FX2202	2 zone conventional control panel
FX2204	4 zone conventional control panel
FX2208	8 zone conventional control panel
FX2202CR	2 zone panel configured for use with a repeater
FX2204CR	4 zone panel configured for use with a repeater
FXRP2200	8 zone repeater panel for use with FX2208, FX2204CR and FX2202CR
FX22003300MB	Metal back box for semi recessing of FX2202, FX2204 and FX2208

FX2200BW

- Quick and simple to Install
- Saves on wiring
- Supplied with battery
- Supplied with end of line devices



The FX2200BW series of panels uses patented technology to enable the detector and sounder wiring for each zone to share a common pair of cables.

This considerably reduces the amount of time and cabling required to install a system. Installation time is also reduced by the provision of a wide choice of cable entry facilities on the panel enclosure, conveniently located terminations and a single battery.

Catalogue No.	Description
FX2201BW	1 zone Bi Wire control panel
FX2202BW	2 zone Bi Wire control panel
FX2204BW	4 zone Bi Wire control panel
FX2208BW	8 zone Bi Wire control panel

MF9300

- Up to 32 detectors per zone
- 72 hour standby on standard versions
- One man walk test
- Non latching zone facility for interlinking etc



MF9300 series panels have been specifically designed to meet the requirements of EN54 parts 2 & 4 1998 and BS5839 part 1 installation whilst retaining the Menvier traditions associated with ease of installation and operation.

The stylish control panel is suitable for either flush or surface mounting without the need for any separate bezels or back boxes.

Catalogue No. Description

MF9302	High specification 2 zone panel 72 hour standby
MF9304	High specification 4 zone panel 72 hour standby
MF9308	High specification 8 zone panel 72 hour standby
MF9308L	High specification 8 zone panel 24 hour standby
MF9316	High specification 16 zone panel 72 hour standby
MF9316L	High specification 16 zone panel 24 hour standby

CONVENTIONAL CALLPOINTS

- Hinged protective cover available
- Resettable element available
- Versions available with LED for ease of identifying status
- Fast fit clip on front cover



An attractively designed range of flush and surface callpoints, designed for good looks and ease of installation, including features such as a fast fit self locking clip on front cover. Each callpoint is supplied with a dual function test key which is used to test the callpoint and also to remove the front cover during installation and when replacing the glass.

LED versions include an LED indicator, which illuminates when the callpoint is activated, designed to assist with rapid identification.

Weatherproof versions are also available contact technical sales for further information.

Catalogue No. Description

Callpoints to suit Menvier MF200, MF400 and MF9300 panels	
MBG914	Surface callpoint
MBG913	Flush callpoint
MBG914L	Surface callpoint c/w LED
Callpoints to suit JSB FX2200, FX4200 and FX2200BW series panels	
FX201	Surface callpoint
FX201L	Surface callpoint c/w LED (not suitable for use with Bi wire systems)



CONVENTIONAL DETECTORS

- **LPCB approved**
- **Low profile**
- **Separate loop in and loop out connections**
- **Base incorporates features to support surface wiring**
- **360° viewing angle LED**



Menvier detectors and bases have been specifically designed to operate with Menvier fire panels and incorporate features such as heavy duty terminals to maximise versatility and minimise installation time. The base also incorporates a detector locking device, which can be activated as required to prevent unauthorised detector removal. Please note a maximum of 5 MPT950 detectors can be connected to any zone of an MF200 or MF400 control panel.

Catalogue No. Description

MPD820 *	Conventional optical smoke detector
MD810	Conventional ionisation smoke detector (being phased out)
MFR830	Conventional heat detector (fast response)
MWT860	Conventional heat detector (medium response)
MHT890	Conventional heat detector (high temperature)
MPT950 *	Conventional combined photo/thermal detector
MDB800	Common mounting base for 800 series detectors
MDB800*10	Common mounting base for 800 series detectors (pack of 10)
FX251D	Remote indicator for use with Menvier and JSB detectors

* These items will be replaced during 2007 with newer versions offering enhanced features. New and old versions are electronically and mechanically interchangeable.

91

CONVENTIONAL DETECTORS

- **LPCB approved**
- **Ultra low profile**
- **Separate loop in and loop out connections**
- **Base incorporates features to support surface wiring**
- **360° viewing angle LED**



JSB detectors and bases have been specifically designed to operate with JSB fire panels. They incorporate a number of features such as heavy duty terminals to maximise installation versatility and minimise installation time. The base also incorporates a detector locking device, which can be activated as required to prevent unauthorised detector removal.

Catalogue No. Description

FX523 *	Conventional optical smoke detector
FX521	Conventional ionisation smoke detector (being phased out)
FX524	Conventional fixed temperature heat detector (77°)
FX525	Conventional rate of rise heat detector
FXN526	Conventional fixed temperature heat (92°) detector
FXN622 *	Conventional combined photo/thermal detector
FXN520	Common mounting base for FXN 500/600 detectors
FX251D	Remote indicator for use with Menvier and JSB detectors

* These items will be replaced during 2007 with newer versions offering enhanced features. New and old versions are electronically and mechanically interchangeable.

CONVENTIONAL BASES

- Separate loop in and out terminals
- Stand off fixing features
- Accepts side entry surface cables
- Selectable detector locking feature

Detector mounting bases are available which have been specifically designed to be compatible with Menvier or JSB detectors and control panels. One base is available for Menvier systems and one suitable for JSB systems. The bases have been designed for flexibility, simplicity and speed of installation.



Catalogue No.	Description
FXN520	Common mounting base for JSB FXN500 & FXN600 series detectors
MDB800* 10	Base for Menvier 800/900 series conventional detectors (Pack of 10)
MDB800	Base for Menvier 800/900 series conventional detectors (Single base)

BELLS

- Low current
- Large cable terminals
- Multi fixing base plate

A wide range of bells comprising both internal and external versions.



Catalogue No.	Description
MBM244	Menvier 4" Internal 24V bell
MBM246	Menvier 6" Internal 24V bell
MBM248	Menvier 8" Internal 24V bell
MWB240	Menvier 6" Mains powered bell
MWB824	Menvier 8" Weatherproof 24V bell
FX006	JSB 6" Internal 24V bell



HIGH OUTPUT BI WIRE SOUNDER

- High output
- Low current consumption
- Volume control
- Separate input and output terminals

The JSB high output Bi wire sounder is a high output wall mounted sounder designed to operate with JSB Bi wire systems. It has a very low current consumption enabling numerous sounders to be connected to each Bi wire panel zone.



Catalogue No.	Description
---------------	-------------

FX009	High output Bi wire sounder
-------	-----------------------------

93

BI WIRE DETECTOR BASE SOUNDER

- Detector base sounder
- Integral detector mounting base
- Can be used as a base sounder or stand alone sounder
- Optional cover plate available

The JSB Bi wire base sounder has been developed specifically to operate with JSB Bi wire panels and to complement the latest generation of Bi wire detectors. The base sounder incorporates a detector mounting base, a detector can be fitted to the base or alternatively an optional cover plate can be used to enable the sounder to operate as a dedicated discreet stand alone sounder.



Catalogue No.	Description
---------------	-------------

FXN520BWS	Bi wire base sounder
FXN538COV	Cover plate for base sounder

SPEECH SOUNDERS

- Easy to install
- 100dB(A) output
- Clear intelligible human speech
- Low current consumption
- Automatic synchronisation

Research indicates that the public respond more readily to a spoken message than to an alarm tone. For this reason Menvier now offers a range of speech sounders incorporating a choice of messages, which in the event of a fire alarm activation are broadcast using clear intelligible human speech. Speech sounders are used in a variety of applications where it is important to provide clear instruction to building users in addition to an alarm tone. In line with BS5839, the sounder first emits an attention grabbing continuous alarm tone followed immediately by clear authoritative instructions as to the required action.



Catalogue No.	Description	Message
MSS7MR	24V Menvier speech sounder (red)	A
MSS20MR	24V Menvier speech sounder (red)	B
MSS28MR	24V Menvier speech sounder (red)	C
MSS7MW	24V Menvier speech sounder (white)	A
MSS20MW	24V Menvier speech sounder (white)	B
MSS28MW	24V Menvier speech sounder (white)	C

DISCREET SOUNDER

- Discreet audible and visual alarm
- Twin high intensity LED's
- Audible alarm volume control

The Menvier MAS175 discreet sounder is designed as a discreet audible and visual alarm. It is typically used in applications where it is required to alert key members of staff before raising a general alarm, or for applications where some form of pre alarm is required.



Catalogue No.	Description
MAS175	Discreet Sounder



FLUSH SOUNDER

- Low profile design
- Choice of colours
- Volume control
- Choice of tones

A discreet flush sounder available in either red or white. The flush sounder provides an excellent combination of high sound output and discreet appearance. Ideal for retail, hotel and residential applications such as sheltered housing.



Catalogue No.	Description
---------------	-------------

MFS324	Menvier red flush sounder
--------	---------------------------

MFS324W	Menvier white flush sounder
---------	-----------------------------

FX003	JSB red flush sounder
-------	-----------------------

95

CEILING MOUNTED SOUNDER

- Low profile design
- Reduces installation time
- Discreet appearance
- Blanking plate available when used without a detector

A slim and aesthetically pleasing sounder designed to be installed either as a discreet stand alone sounder or mounted above a detector and base. When mounted above a detector and base it simplifies the installation of systems by enabling a detector and sounder to be fixed at a single common point. The sounder is ideal for applications such as hotel bedrooms.



Catalogue No.	Description
---------------	-------------

MDS824	Menvier ceiling mounted sounder
--------	---------------------------------

MDS824B	Menvier ceiling mounted sounder beacon
---------	--

MDS824COV	Blanking plate
-----------	----------------



LOW PROFILE SURFACE SOUNDER

- Low profile design
- Pre drilled cable entries
- 32 selectable tones



The low profile surface sounder is a general purpose, red or white wall mounted sounder. Depending on the selected tone, sound levels of up to 105dB(A) can be achieved. It is available in a choice of colours. Volume is adjustable via the internal volume control and 32 different alarm tone selections are provided.

Catalogue No.	Description
MW424SB	Menvier low profile surface sounder (red)
FX002	JSB low profile surface sounder (red)
FX002V	JSB low profile sounder (white)



WEATHERPROOF SURFACE SOUNDER

- Weatherproof design
- Choice of cable entry positions
- 32 selectable tones



The weatherproof surface sounder is a general purpose weatherproof, red wall mounted sounder, which can accept rear or side entry cables, making it ideal for surface wiring applications. Depending on the selected tone, sound levels of up to 105dB(A) can be achieved. Volume is adjustable via the internal volume control and 32 different alarm tone selections are provided.

Catalogue No.	Description
MW424DB	Menvier weatherproof surface sounder (red)



HIGH OUTPUT SOUNDER

- High output sounder
- Ideal for areas with high ambient noise
- Simple to install
- Choice of tones
- Variable volume setting

The JSB FX007 has a maximum output of 120dB(a) making it ideal for use in areas with high ambient noise levels. It is simple to install and uses a first fix back plate onto which the main body attaches with a self locking press fix assembly.



Catalogue No.	Description
FX007	JSB high output conventional sounder

LOW CURRENT SOUNDER

- Low current consumption
- High efficiency design
- Simple to install

The MLC624 has been designed to provide a high sound output with a low current consumption. It is ideal for applications where high sound levels need to be achieved but where available sounder circuit capacity is limited.

The low current sounder is simple to install and uses a first fix back plate onto which the main body attaches with a self locking press fix assembly.



Catalogue No.	Description
MLC624	Menvier low current conventional sounder



LOW PROFILE XENON BEACON

- High output Xenon beacon
- Unobtrusive low profile design
- Pre drilled fixing and cable entry holes



The range of Xenon beacons is available to complement audible alarms for use in areas either where people may be present who have impaired hearing or areas with high ambient noise levels. Xenon beacons have a high light output to maximise the attention attracting potential of the device. Lower power LED variants are also available which offer a lower current consumption but have a consequently lower light output.

Catalogue No.	Description
MXB124SB	Menvier low profile Xenon beacon (red lens)
FX004R	JSB low profile Xenon beacon (red lens)
FX004A	JSB low profile Xenon beacon (amber lens)
FX004B	JSB low profile Xenon beacon (blue lens)

WEATHERPROOF XENON BEACON

- High output Xenon beacon
- Weatherproof deep base design
- Supports side entry surface cables
- IP65 rated



Xenon beacons are available to complement audible alarms for use in areas either where people may be present who have impaired hearing or areas with high ambient noise levels. Weatherproof Xenon beacons are IP65 rated and support rear and side entry cables making them ideal for industrial applications. Xenon beacons have a high light output to maximise the attention attracting potential of the device. Low power LED beacons are also available.

Catalogue No.	Description
MXB124DB	Menvier low profile Xenon beacon

LOW PROFILE SOUNDER BEACON

- High output Xenon beacon
- Sounder and beacon with a single installation point
- Unobtrusive low profile design
- Pre drilled fixing and cable entry holes



The range of sounder beacons is available to complement purely audible alarms for use in areas either where people may be present who have impaired hearing or areas with high ambient noise levels. The key benefit of the device is that an audible and a visual alarm are combined together and require only a single installation point. This greatly reduces installation time and cost and is much less obtrusive than two separate devices. Xenon beacons have a high light output to maximise the attention attracting potential of the device. Lower power LED variants are also available which offer a lower current consumption.

Catalogue No.	Description
MCD524SB	Menvier low profile sounder beacon (red lens)
FX002CR	JSB low profile sounder beacon (red lens)
FX002CA	JSB low profile sounder beacon (amber lens)
FX002CB	JSB low profile sounder beacon (blue lens)

WEATHERPROOF SOUNDER BEACON

- High output Xenon beacon
- Sounder and beacon with a single installation point
- IP65 rated
- Accepts rear or side entry cables



MCD524DB is a weatherproof combined sounder beacon, designed to complement purely audible alarms for use in areas either where people may be present who have impaired hearing or areas with high ambient noise levels. The key benefit of the sounder is that an audible and a visual alarm are combined together and require only a single installation point. This greatly reduces installation time and cost and is much less obtrusive than two separate devices. Xenon beacons have a high light output to maximise the attention attracting potential of the device. Lower power LED variants are also available which offer a lower current consumption.

Catalogue No.	Description
MCD524DB	Menvier weatherproof sounder beacon

LOW PROFILE LED BEACON

- Low power consumption LED technology
- Discreet low profile design
- Pre drilled fixing and cable entry holes
- Choice of flash frequency
- Choice of power settings

LED beacons are available to complement audible alarms for use in areas where people may be present who have impaired hearing or areas with high ambient noise levels. LED technology offers a greatly reduced current consumption compared to Xenon types making them ideal for use with fire panels with restricted sounder circuit current capacity.



Catalogue No.	Description
---------------	-------------

MLB124SB	Menvier low profile LED beacon
----------	--------------------------------

WEATHERPROOF LED BEACON

- Low power consumption LED technology
- IP65 rated
- Surface or rear cable entry
- Choice of flash frequency
- Choice of power settings

LED beacons are available to complement audible alarms for use in areas where people may be present who have impaired hearing or areas with high ambient noise levels. LED technology offers a greatly reduced current consumption compared to Xenon types making them ideal for use with fire panels with restricted sounder circuit current capacity. Deep base weatherproof versions are IP65 rated making them ideal for industrial applications.



Catalogue No.	Description
---------------	-------------

MLB124DB	Menvier weatherproof LED beacon
----------	---------------------------------

LOW PROFILE SOUNDER BEACON

- Low current LED beacon
- Sounder and beacon with a single installation point
- Unobtrusive low profile design
- Pre drilled fixing and cable entry holes

The use of beacons to supplement audible alarms is becoming increasingly common. The use of a combined sounder beacon allows both an audible and visual alarm to be provided but requires only a single installation point. LED powered beacons have a dramatically lower current consumption than that of traditional xenon beacons making them ideal for applications where sounder circuit capacity is limited.



Catalogue No.	Description
MSB124SB	Menvier low profile LED sounder beacon



WEATHERPROOF LED SOUNDER BEACON

- Low current LED beacon
- Sounder and beacon with a single installation point
- Weatherproof deep base
- Surface or rear cable entry

The use of beacons to supplement audible alarms is becoming increasingly common. The use of a combined sounder beacon allows both an audible and visual alarm to be provided but requires only a single installation point. LED powered beacons have a dramatically lower current consumption than that of traditional xenon beacons making them ideal for applications where sounder circuit capacity is limited. Weatherproof versions are IP65 rated making them ideal for exterior or industrial applications.



Catalogue No.	Description
MSB124DB	Menvier weatherproof LED sounder beacon



COMPACT DOOR RETAINER

- **Compact dimensions**
- **Fast fit clip on cover**
- **Mains and 24V versions available**
- **Manual release facility**
- **Optional floor mounting bracket available**

JSB compact magnetic door retainers are competitively priced, simple to install and discreetly styled. They are ideal for a wide range of applications, such as nursing homes, hospitals and busy corridors. They enable doors to be held open under normal conditions but automatically be released in the event of fire alarm activation.



Catalogue No.	Description
FX021240LC	Compact magnetic door retainer (mains powered)
FX02124VLC	Compact magnetic door retainer (24V DC powered)
FX021LCFB	Floor mounting bracket for compact door retainer

Catalogue No.	Description
FX021240LC	Compact magnetic door retainer (mains powered)
FX02124VLC	Compact magnetic door retainer (24V DC powered)
FX021LCFB	Floor mounting bracket for compact door retainer

BATTERY PACKED POWER SUPPLY

- **Compact enclosure**
- **Integral battery**
- **Fault indicator**
- **Remote fault contact**

The JSB FX1A is a 24V DC battery backed power supply complete with rechargeable batteries. The output is continuous and transition from mains to battery is without break in the output. It is monitored and has local fault indication as well as volt free contacts for remote fault signalling, making it ideal as a general purpose power supply for fire alarm applications.



Catalogue No.	Description
FX1A	24V DC power supply with battery backup

Catalogue No.	Description
FX1A	24V DC power supply with battery backup

BI WIRE RELAY MODULE

- Connects to zone wiring
- Relay activates if any zone is triggered
- Simple to install
- Allows simple interfacing with external equipment

The JSB Bi wire output relay is designed to provide a simple means of interfacing Bi wire systems with external equipment such as door holders. It is simple to install and can switch up to 1A at 230V AC or 24V DC. The major advantage of using an output module is that external switching can easily be achieved without having to wire back to the main control panel.



Catalogue No.	Description
FXN01124V	Bi wire output relay module (24V contacts)
FXN011230	Bi wire output relay module (230V contacts)

HEAVY DUTY RELAY

- Simple to install
- Visible status indication LED
- 2 sets of contacts

The Menvier heavy duty relay is designed for interfacing heavy loads such as door release units or plant shut down equipment with fire alarm systems. It is simple to fix and install and the neat unobtrusive design makes it suitable for use in a wide range of areas.



Catalogue No.	Description
MAR724	Heavy duty relay



REMOTE INDICATOR

- **Simple to install**
- **Fits onto standard single gang back box**
- **Wide viewing angle high brightness LED**

The JSB FX251D is an attractive easy to install remote indicator for use with Menvier and JSB analogue and conventional detectors in applications such as void spaces or outside locked or inaccessible rooms to provide indication of the activation of an automatic detector.



Catalogue No.	Description
FX251D	Remote indicator

ANALOGUE FIRE SYSTEMS

Cooper Lighting and Security offer a complete range of analogue addressable fire detection systems. The range includes single and multi loop control panels, smoke and heat detectors, sounders, call points and interfaces enabling a simple one stop shop solution suitable for any size of project.

For full details of analogue addressable fire detection equipment please visit: www.cooper-ls.com or request a copy of the Cooper Lighting and Security, Fire Solutions catalogue (email: marketing@cooper-ls.com or telephone 01302 303200)

