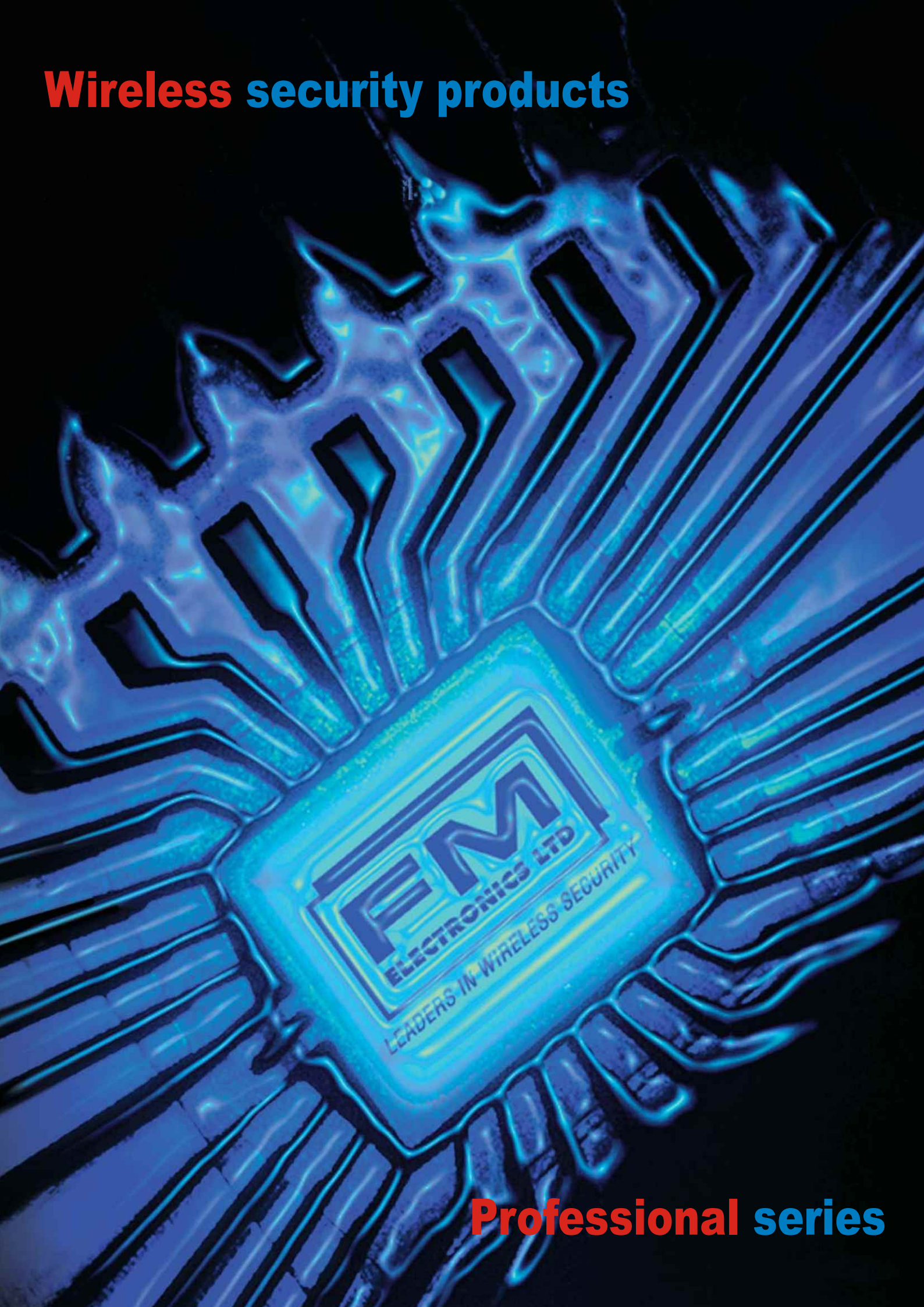


Wireless security products



Professional series

ABOUT FM

Established in 1989 we design and manufacture wireless alarm products for a diverse range of specialist security applications. Our products include – Wireless alarm systems, Portable alarms, and Interfaces to enable wireless sensors to be added to existing alarm systems.

FM radio systems operate on VHF frequencies which provides outstanding signal penetration through building structures resulting in very reliable system operation.

Our quality system is independently accredited to ISO 9001: 2008 in all areas of our business. FM is an active member of the British Security industry Association (BSIA) and ADS.

Security Grades. Where product grades are specified in this brochure, the product is suitable for use in systems designed to comply with PD6662:2004 at the specified Grade.

CONTROL PANELS

64 Zone Panel

The FM4000Xtra is suitable for systems requiring Police response.

64 devices on 8 alarm zones

8 devices on separate Panic & Fire zones

LCD display with device descriptions

512 event time & date stamped log

Part & Full set modes

Includes connections for SAB, FM wireless Siren, autodialler and 8 input digi (or other communication module).



FM4000Xtra
Grade 2 and BSDD243:2004

8 Zone Panel

Control panel with 8 alarm zones, one Fire and one Panic zone.

Simple easy to install and operate control panel.

Part & Full set modes

Connections for SAB, FM wireless siren, autodialler, internal sounder and back up battery.

For applications where security grading is not required.



FM4000E
Cost effective 8 zone panel
Designed to meet BS6799 Class3

CONTROL PANELS

8 Zone Expandable Panel

The FM4000EN has 8 intruder alarm zones.

Plus 8 devices on Panic & Fire zones.

Expandable to 64 devices + Time & date stamped log by adding the FM4001.

Part & Full set modes

Includes connections for SAB, FM wireless siren, autodialler and digi (or other communication module).



FM4000EN

Grade 1 (Grade 2X when used with FM4001)

64 Zone Expansion unit

The FM4001 expands the FM4000EN to a maximum of 64 detection devices plus 8 fire, 8 PA and 8 set / unset devices at Grade 2X.

Adds a 500 event log with time and date stamp.

Individual 16 character text description for each device.

LCD display

Serial printer connector



FM4001

64 zone expansion unit for the FM4000EN to meet Grade 2X

FM2200 Portable Panel

The FM2200 is a rugged alarm panel with integral GSM alarm signalling.

Supports 64 devices on 8 Zones

Individual device descriptions

Manual or timed arming and disarming

500 event time & date stamped log.

FM can provide remote technical support and remote alarm management.



FM2200

Portable alarm with GSM alarm signalling.

RECEIVERS / INTERFACES

Supervised Interface

The FM4040 is a supervised interface with 8 wireless alarm zones + Panic & Fire zone.

Enables FM Grade 2 detection devices or panic buttons to be added to any wired control panel.

Clean relay contact outputs to interface to a wired panel.

Programmed the same as standard FM4000 control panels

Suitable for use in systems designed to comply with PD6662:2004 specifications.



FM4040

10 Zone wireless interface
Grade 2.

Single zone Receiver

The FM4051 is a single zone receiver with programmable relay output for remote control applications.

Add a Grade 1 detection device or up to 32 panic buttons to any wired control panel.

Clean relay contacts for Alarm, Low battery & tamper.

12v d.c. power required



4051-GB

Single zone receiver.
Grade 1

Plug in receiver

A plug in portable receiver with sounder for use as an audible alarm indicator.

Supports up to 32 wireless devices (does not identify which device has activated the alarm when multiple devices are used).

Low battery and Tamper LED indicators

Supplied with Mains adapter.



4052-GB

Plug in receiver
Grade 1

6 Zone Receiver

A six zone receiver with programmable relay outputs for wireless interface and remote control applications.

Suitable for use with any wired control panel and any FM detection device or panic button.

6 Alarm, 1 Low battery & 1 Tamper relay output.

12v d.c. power required.



4055-GB

6 zone receiver
Grade 1

Wireless Siren

This Solar Powered alarm siren is supplied with a wireless interface allowing it to be connected to any control panel.

The easy way to add an additional bell box to any control panel.



WSAB1

Wireless bell box
Grade 2

INTERNAL DETECTION

Wide angle PIR

Designed for general internal use providing:

12 metre 90° detection coverage.

Pulse count programmable.

Walk test, illuminated push button.

Radio range of up to 100 metres.

For use with any FM4000 series control panel or receiver interface.



4600-GB
Grade 2

Pet Tolerant PIR

A Pet tolerant PIR that is designed for internal use where a domestic animal of 25 kg or less is housed.

12 metre 90° detection.

Pulse count programmable.

Walk test, illuminated push button.

Radio range up to 100 metres.

For use with any FM4000 series control panel or interface



4605-GB
Grade 2

Contact transmitter

General purpose contact transmitter with exit terminate push to set connection.

Built in reed contact and screw terminals for open or closed alarm contact input.

Industrial alarm applications include Temperature, Pressure, Water level and emergency alarms requiring immediate response.



4650-GB
Grade 2

Inertia transmitter

Shock sensor detects tilt vibration or impact.

Single sensor supplied.

Impact sensitivity control with LED indicator for ease of installation.

Combines Inertia and closed contact alarm inputs in a single unit.

Integral reed contact plus screw terminals for open or closed alarm contacts.



4655-GB
Grade 2

Smoke Detector

Wirefree optical smoke detector.

Upon activation the unit will signal to any FM control panel or receiver interface providing an audible indication both on the activated detector and at the alarm control unit.

Optical sensor gives greater stability compared to ionization types.



4660-GB
Grade 2

Heat Detector

Wirefree heat detector.

Upon activation the unit will signal to any FM control panel or receiver interface providing an audible indication both on the activated detector and at the alarm control unit.

Heat detectors are less prone to false activation in dusty environments.



4665-GB
Grade 2

EXTERNAL DETECTION

External Wide angle PIR's

An external PIR with radio range 500 metres.

12 metre 90° detection.

Pulse count feature.

Operates into any FM4000 series control panel or interface.

4190 is standard wide angle detection pattern.

4191 is Horizontal curtain "pet alley" detection pattern.



4190-GB
4191-GB
Grade 1

Twin-Eye

Weatherproof twin beam PIR designed to provide reliable external intruder detection, with minimal nuisance alarms.

Both beams need to be activated to cause an alarm.

Alignment LED indication.

Use with any FM control panel or interface.

Max. Radio Range 500 Metres.



4195-GB
Grade 1

External Corridor PIR

A 30 metre narrow angle Corridor beam PIR.

To provide perimeter intruder detection

Ideal for detection of people or vehicles entering a driveway.

Operates into any FM4000 series control panel or interface.

Radio range 500 metres.



4193-GB
Grade 1

Weatherproof transmitter

A 12V d.c. or battery powered transmitter with normally open or closed inputs.

May also be triggered by +ve / -ve voltage applied.

Signals Alarm, Restore, Tamper and Low Battery.

Use with any 4000 series control panel or Receiver interface.

Radio Range 500 metres



4156-GB
Grade 1

RADIO RANGE

Antennas

Radio range can be increased significantly by fitting a remote receiver antenna high on a building.

HG1 omnidirectional high gain antenna shown is suitable for most applications.

HG2 is a directional antenna with even higher gain. Please contact us for more details.



HG1 Omnidirectional
HG2 Directional

Repeater

The radio repeater extends the distance over which all FM detection equipment operates by a further 500 metres. Enables distances of up to 1km between transmitter and receiver to be achieved.

Mains powered with provision for a 2.1Ah back up battery.



4158-GB
Grade 2

REMOTE CONTROLS & PANIC BUTTON

Remote Control

A remote control for all FM4000 control panels. Enables alarm control units to be partly and fully armed and disarmed from a distance of up to 100 metres and incorporates a dual action panic alarm for additional protection.



4173-GB
Grade 2

Wireless Keypad

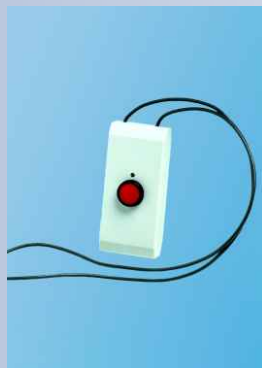
This wirefree keypad controls all FM4000 series alarm control panels, up to 100 metres from the alarm control unit. The keypad includes a programmable panic and duress facility for added user safety.



4180-GB
Grade 2

Pendant Panic Button

Often used by individuals who live or work where their safety may be at risk; for example at a till point. This pendant panic button will signal up to 100 meters, to any FM4000 series control panel or receiver interface.



4171-GB
Grade 1

BSDD243 setting/unsetting

For this standard to meet UK Police/insurance company requirements, FM Electronics recommend:

A remote control to provide single action unset

A door contact to provide means of completion of set.

Connections are also available for keyswitches or prox readers if required.

RADIO TEST KIT

Test Transmitter

The FM signal test transmitter and receiver enables alarm installers to rapidly check signal strength between alarm control panels and individual detectors.

The -HP version is for use with External detectors.



4135-GB
4035-HP

Test Receiver

The test receiver is designed for ease of use with green and red scale indicators showing whether signal paths meet PD6662:2004 Grade 1 or Grade 2 design compliance.

Operates in conjunction with either test transmitter.



4030-GB
All Grades

Frequently Asked Questions.

Customer support

All products are supplied with a manufacturer's two year warranty. We also have a technical support desk during office hours, which is available to all our customers, which will endeavour to provide any information required to ensure all products perform to specification and meet our customer's requirements.

Sale or Hire

FM offers both options on most products, whilst many systems are purchased and permanently installed; we also offer a hire option with remote support and monitoring for portable alarm systems.

This has been popular for many short term applications. Please contact our sales office for more details.

Security grades and Police response.

Grade 1 systems are generally used for low risk applications, where bells only systems are specified.

Grade 2 systems are generally used for low to medium risk applications where Police response is required via an Alarm Receiving Centre.

Police response is only available if the alarm installation company satisfies local/national police force criteria.



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FM32224



Our policy of continued product development means that specifications and appearances may change without notice. FM have endeavoured to ensure that the information in this document is correct and fairly stated but does not accept any liability for any error or omission.