



CQR

FIRE & SECURITY

PRODUCT GUIDE - FIRE SYSTEMS

FIRE

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Who we are

CQR Fire and Security is a member of the OSL Group of companies. The OSL Group is a manufacturing group with locations throughout the UK. OSL are committed to excellence delivering top quality products and solutions, at the best price, on time. We invest extensively in our systems and people to achieve this. Our development and growth strategy is aimed at becoming the leader in all our markets, which will further enable us to meet our customer's most stringent demands. Established in 1978, CQR Fire & Security has been at the forefront of the Fire and Security Industry for over 30 years. We are a 100% owned U.K. business operating from the Wirral, North West England.

What we offer

We design and manufacture a comprehensive range of devices for the detection of unlawful entry to buildings. These include first line detection products to protect against forced entry through doors and windows, audible and visual devices to signal a forced entry and devices to indicate duress or hold up emergency situation. We also offer a large range of cable solutions designed specifically for the low voltage security market. In addition, we offer a comprehensive range of Fire detection systems as part of our **FireBrand** range. These systems are designed to provide the earliest possible detection of a fire within a building and to provide audible and visual warnings locally and remotely.

Route to Market

Our systems and products are designed for the protection of Domestic, Residential and Commercial property. We reach the end user via a network of professional Security Distributors both in the U.K. and overseas. Export is a large part of our business; we have a broad reach Distribution channel covering the Europe, Africa, North America and Asia Pacific and export to over 60 countries.

Quality and standards

It is CQR'S aim to provide its customers with products and services that exceed their expectations in all respect of cost, performance, safety, reliability and service. These goals are facilitated by our quality system that satisfies the requirements of ISO 9001: 2008. We commit to constant monitoring of the effectiveness of this Quality System. Agreed Quality Objectives ensure our continual improvement culture. CQR's products are designed and manufactured to meet all of the latest European and International Standards.



CQR - First Choice for Quality

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FireBrand

The CQR **FireBrand** range offers a comprehensive portfolio of Conventional, Addressable and Wireless Fire Detection equipment.

We have over 30 years experience

in the Fire and Security Industry and have built a strong reputation for supplying our customers with quality solutions and excellent service. When you deal with CQR you can be assured that we have the expertise to assist you with all aspects of system design, product choice and technical support.

We have a solution for all applications ranging from a simple single loop system to a large Networked Addressable System protecting multi level buildings. We also offer a Wireless Fire detection System for a cable free installation.

Our range of detectors includes smoke, heat, smoke and heat, and carbon monoxide for both Conventional and CQR Firebrand Addressable Systems. Our smoke detectors use the latest photoelectric scatter technology to detect smoke particles within the protected area. For heat detection we offer both fixed temperature and rate of rise technologies.

As you would expect we can supply a wide range of ancillaries to complete the installation, including Beacons, Sounders, Call Points, Zone Monitoring Units, Isolators, PSU's etc.

FireBrand offer you quality products at a competitive price backed by our unrivalled support and the personal service you expect from CQR.

- 1 Point of contact

- On site support

- Telephone support

- Reduced shipping cost

- Price competitive

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Go to www.cqr.co.uk for a full range of CQR and FIREBRAND products

ADDRESSABLE AND NETWORK FIRE



Addressable Panels

FireBrand ADDRESSABLE is a single loop analogue addressable control panel which can be expanded to two loops. It is a cost effective solution for small to medium sized installations. Each panel can support up to 125 addressable devices on each loop. Our advanced communications protocol allows up to 32 individually addressed loop sounders to be connected to each of the detection loops. The panel also supports shadow sounders and a range of other interface devices and isolators.

CPR and EN54-2/4 Approved

- 125 Addressable devices per loop
- 16 Zone LED display (32 on NET panel)
- 384 Programmable zones
- 512 Programmable I/O & sounder groups
- Multiple protocols available
- Multiple language support



Network Panels

FireBrand NETWORK is a powerful Addressable Fire Alarm Control System with networking capabilities that allow the creation of complex wide area systems.

Modular construction and distributed intelligence allows systems of up to 96 loops to be created. With a high level of built-in redundancy and emergency back-up features, the **FireBrand Network** is powerful enough to control the most complex installations.

CPR and EN54-2/4 Approved

- Fully expandable system - from 1 to 96 loops
- 125 device addresses per loop
- 96 Sounders (addressable) ultra low current base sounders per loop
- 32 individually programmable sounder addresses per loop
- 2 Fire output relays (change-over) and 1 Fault relay (Normally Closed)
- Open collector outputs for fire, fault and pre-alarm remote indicators
- 384 fully programmable zones
- 512 fully programmable sounder groups
- 512 Input and output groups
- Event log (rolling, 2000 entries)
- Programming by front panel, infra-red remote keypad, PC keyboard and Windows "Loader" software
- P.C graphics software for alarm management and reporting
- Multiple language support (menu selectable)
- Multiple protocols available



Addressable and Network Detectors

The **FireBrand** series of analogue addressable detectors have been designed and tested to CPR / EN54 standards. Available in optical, multi-heat and combined smoke/heat, the **FireBrand** addressable range of detectors are both reliable and will compliment any environment.

CPR and EN54-5/7 Approved

- Dual LED's for 360° visibility
- Analogue addressable detectors
- Easy installation and maintenance
- Sleek low profile housing
- **All CQR Detectors are supplied with a base**

Call Point

The FP3 is a unique manual call point with a high visibility LED, which includes both frangible and resettable windows. A CPR approved lift up cover is also available.

CPR and EN54-11 Approved.



Addressable Sounders

The **FireBrand** range of electronic base sounders are designed to be used as an unobtrusive low profile sounder or as a base sounder to be installed in conjunction with a detector. An added benefit is the low current consumption per device. Available in red or white.

The Valkyrie wall sounder has four different tones available using DIL switches. The range consists of an internal sounder or an IP65 rated version for external use. It is a low consumption device, available in red or white.

CPR and EN54-3 Approved.



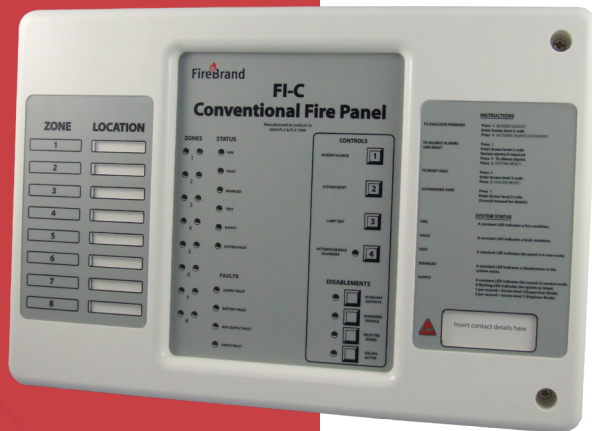
Addressable Accessories

- Addressable loop interface card
- 3 channel I/O Units
- Input module units
- Isolators



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CONVENTIONAL FIRE



Conventional Panels

The **FireBrand** range of conventional fire control panels is available with 2, 4 and 8 zones. Housed in a stylish modern housing the panel is ideal for small to medium size installations.

CPR and EN54 parts 2 & 4 Approved

- One man test facility
- Active end of line monitoring
- 3 outputs class change, day/night operation, remote reset
- Programmable non-latching zones
- Delay timer programmable on/off per zone
- Fault Diagnostics
- Coincidence double knock facility
- Front panel code entry
- Accommodates 2 x 7 amp hour batteries
- Removable hinged lid



Conventional Detectors

The **FireBrand** series of conventional detectors are designed to complement the conventional panel. Available in optical, multi-heat and multi-sensor versions, this range of conventional detectors are reliable and will compliment any property. Also available are a Rate of Rise Heat Detector, a Fixed Temperature Heat Detector and a Gas Detector.

CPR and EN54-5/7 Approved



- Dual LED's for 360° visibility
- Advanced discrimination algorithms
- Easy installation and maintenance
- Sleek low profile housing
- **All CQR Detectors are supplied with a base**

12 Volt Detectors

The 12v series of Conventional Detectors are ideal devices to be integrated onto intelligent panels and used with security Alarm Systems. The devices also have dual LED'S for 360° visibility allowing easier identification of device in fault or fire condition, and are supplied complete with base.

They are designed, built and approved to meet the strict testing of EN-54-5/7 standards



Call Point

The FP3 is a unique manual call point, with high visibility LED, and which includes both frangible and resettable windows. It also offers user friendly selection of the monitoring resistors, 470 and 680ohm and normally open contact. A CPR approved lift up cover is also available.

CPR and EN54-11 Approved.



Conventional Sounders

The **FireBrand** range of electronic base sounders are low consumption devices and are designed to be used as an unobtrusive low profile sounder or as a base sounder to be installed in conjunction with a detector.

The Valkyrie wall sounder is a low consumption wall sounder/ beacon. Four different tones are available, the range includes an internal sounder and an IP65 external rated.

CPR and EN54-3 Approved.

Product Guide

WIRELESS FIRE

Operating on 868MHz radio frequency, which is an approved and reliable radio frequency designed for security and fire applications. Wireless systems are perfect for applications where the integrity of the building must be maintained or for projects that require a faster installation than hardwired systems. The system can accommodate up to 240 devices across a maximum of 100 zones. The system offers the perfect solution for a wide range of applications from small domestic buildings up to large commercial premises. The system, although simple to use, offers many sophisticated features more commonly seen in hardwired solutions.



Installation and commissioning could not be easier, each device is added onto the system by wireless communication. There is no need to connect the device to the panel with a programming lead.

Features Include:

- 240 Devices per system
- Up to 15 signal boosters
- Option to wire boosters
- 72 Hour standby battery capacity
- Sophisticated cause and effects
- EN54 part 25 compliant

Location descriptions can be added by using a standard USB keyboard plugged into the panel or for a single device, the in-built keypad.

With analogue detector functionality and complex multi-path fault tolerant signalling, the system minimizes false alarms whilst providing maximum protection for the occupants of a building. In order to increase the radio range of the system, either wired or radio booster panels

can be installed at appropriate positions. During the automatic set-up, the system will configure this equipment to ensure the most effective operation is achieved.

Radio Devices

Optical Smoke Detector - • Fully addressable • Selectable sensitivity • Up to 7 year battery life
• Pre alarm warning • Head dirty warning • Automatic drift compensation
• Also available as a combined sounder

Heat Detector - • Rate of rise or fixed point • Selectable sensitivity • Fully addressable
• Up to 7 year battery life • Small attractive compact design
• Also available as a combined sounder

Call Point - • Fully addressable • Up to 7 year battery life • IP65 option

Sounder - • Fully addressable • Up to 5 year battery life • 105dB(A) at 1 mtr
• Selectable tones from panel • Available with LED beacon



- Fully Addressable
- Intuitive Menu Structure
- 4 Access Levels
- Pre-Alarm Warning
- Head Contaminated Warning
- HMO operation
- Sophisticated Test Modes
- Simple Set-up
- Long Sensor Battery Life



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