



FIREwave

RANGEOVERVIEW
Hybrid Wireless Fire Detection System



Fundamentals

FIREwave is a wireless based family of products which can be fully integrated into Hochiki's renowned ESP intelligent hardwired system. This seamless integration provides the user with maximum flexibility in configuring the system to meet the specific needs of the building into which it is to be deployed.

FIREwave employs the latest hybrid technology, providing a simple and economic wireless fire detection system installation with minimal disruption to the fabric of the building and its operation. The flexible and versatile **FIREwave** system is suited to a wide range of applications, from busy hotels to sensitive heritage buildings.

FIREwave is the most flexible fire detection solution available that is simple to install and maintain, overcoming installation and maintenance challenges on the most demanding sites; advanced patented technology is used to achieve optimum performance.



Operation

Through patented and proven wireless technology, **FIREwave** is built around intelligent Translator and Expander Modules and the advanced wireless communication protocol facilitates the delivery of fully intelligent field device integration, allowing analogue values, device addresses and type codes to be transmitted to the system control panel.

Powered directly from the detection loop, Translator Modules ensure a reliable and secure connection between the field devices and control equipment. Each Translator Module can support up to 32 field devices via the proven wireless protocol.

Communication between the Translator Module and devices is bi-directional and uses the 868MHz frequency range (in UK and Europe*). Automatic system adjustments, including channel hopping and signal amplification, are implemented to support the security and stability of communications.

Each field device has a range of 150m in open air, but greater distances and complex architecture can be catered for with Expander and Router Modules to boost the signals transmitted, allowing **FIREwave** systems to be configured to any size and complexity.

All **FIREwave** devices are powered by standard lithium batteries which are both economical and environmentally friendly. Dependant on design and device type a battery life of up to five years can be anticipated from the primary cell, with a further two months of operation from the support cell. All **FIREwave** batteries are monitored continually, and any low battery condition is automatically displayed at the control equipment.

*other frequencies available for India

Company Overview

Established in Japan in 1918, Hochiki is an independent, multi-national, publicly listed company with over 1700 employees across the globe. One of the world's leading manufacturers of commercial and industrial fire detection and emergency lighting solutions, Hochiki has acquired global acceptance as the benchmark for high-integrity and long-term reliability.

Hochiki's facilities in Japan, the United States of America and Europe design and manufacture products and provide technical support suited to local standards and customer requirements. Total commitment to meeting the needs of individual national markets has reinforced the company's global reputation, resulting in Hochiki products being installed in many prestigious sites and in over 80 countries worldwide.



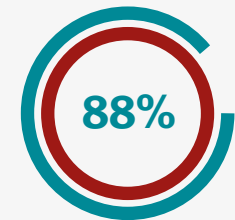
STATS TAKEN FROM THE HOCHIKI CUSTOMER SERVICE SURVEY



Respondents rated product quality as either 'very good' or 'excellent'



Customers stated our market reputation is 'very good' or 'excellent'



Customers are most likely to recommend our products

Key Features & Benefits



Advanced

Patented wireless technology ensures optimum system performance



Expandable

Configurable to any size and complexity of building



Simple to Install

Fast deployment, with minimal disturbance



Flexible & Versatile

Suits all building types



Meeting the Standards

Manufactured to the latest British and European standards



Quality & Reliability

The highest levels of reliability and performance are achieved with advanced and patented technologies, and **FIREwave** has been designed and manufactured to the latest British and European Standards. In addition, the system has been independently tested and approved by the LPCB and reaches the highest level of quality and reliability.



Cost Considerations

Project management can prove costly, and specialist wiring installations require skilled engineers and considerable disruption during installation, leading to increased labour costs and limiting access for extended periods. **FIREwave** is quick to install and requires minimal preparation in advance of system installation.



Flexibility & Adaptability

FIREwave sensors are supplied in three variants: Optical, Thermal and Multi Criteria, which cover a wide range of applications. The Optical and Multi Criteria detectors feature double dust traps and adaptive signal processing to prevent false alarms. Thermal detectors can respond to a fixed temperature threshold, or detect a rate of rise in temperature.

The range of **FIREwave** devices provides a visually attractive wireless fire detection solution, encompassing a wide variety of installation types and sizes. Wall and base mounted audio and audio-visual devices have adjustable volume levels and multiple tone settings, and are available as stand-alone Sounders and Beacons, or as combined units. Wall mounted units can be supplied in red or white, and weatherproof options are also available.

Once installed, the design of our products ensures simple on-site maintenance. In addition, Hochiki's dedicated team of technicians provides support to customers, and ensures that installation and maintenance processes remain transparent, effortless and focused on customers' requirements.



ROP-E
Dual Optical Smoke Detector



RHT-E
Class P Heat Detector



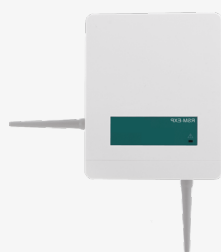
RMD-E
Multi-Criteria Detector

Training & Support

To increase client confidence and reduce the need for return site visits, full training and support is available from the team of experts at Hochiki Europe throughout all stages of the project, ensuring optimal results and the successful delivery of the **FIREwave** system.



RSM-WTM
Wireless Translator Module



RSM-EXP
Wireless Expander Module



RSM-IP
Single Channel Input Module



RSM-POM
Powered Output Module



HFW-DHR-01
Magnetic Door Holder



HFW-BS-05
Base Sounder



HFW-BSB-05
Base Sounder Beacon (VID)



HFC-SBR-23-03
Weatherproof Wall Sounder VAD



HFC-WSR-03
Weatherproof Wall Sounder



RSM-CP
Wireless Resetable Call Point

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Quality Certificate No.164QMS
Assessed to ISO 9001



Environmental Certificate No.164EMS
Assessed to ISO 14001



Your Safety, Our Technology