

sygnc-fi[®]

ENHANCED

By Eurotech

Built on What Works.
Improved Where It Matters.



**SECURITY & FIRE
EXCELLENCE AWARDS**
2022 WINNER

Hardware Product Innovation of the Year

eurotech[®]
FIRE SYSTEMS LIMITED

Following the success of Sygno-fi, its scalability enabled customers to confidently deliver larger, more complex projects using a flexible wireless solution.

Building on this, Sygno-fi Enhanced introduces an advanced infrastructure while remaining fully compatible with existing devices. With improved data visibility and streamlined Bluetooth commissioning via laptop, it delivers a more efficient, intuitive, and powerful user experience.

Michelle Agius
Eurotech's Managing Director



High-performance wireless detection

This new range of high-performance open protocol EN54-25 wireless detection, control and alarm devices offer exceptional capabilities, quality and reliability. Combined with user-friendly survey, install, commissioning and maintenance software, the Sygno-fi range revolutionises the wireless fire systems market.

The Sygno-fi wireless platform is suitable for both small-medium or large sites, with the capability to handle up to 128 devices per wireless translator and 240 per hybrid loop, along with a 10-year battery life on sensors, call points and inputs and five years on output devices, sounders and VADs.

Compatible Panels

Toccare Touch Screen Panel	700-100
Toccare Lite Half Loop Panel	700-100L
Toccare Mini Panel	700-101
Toccare Mini 2-Loop Panel	700-102
Omnis 1-2 Loop Control Panel	OMN-V1001
Omnis 1-4 Loop Control Panel	OMN-V1002
Advanced Go Single Loop Control Panel	GO1V
Advanced Go+ Single Loop Control Panel	GO1VPLUS
Eurotech 1 Loop Intelligent Control Panel	EUR-5101N
Eurotech 2 Loop Intelligent Control Panel	EUR-5201N
Eurotech 4 Loop Intelligent Control Panel	EUR-5401N

Powerful. Reliable. Easy to use.

This incredibly powerful and easy to configure EN54-25 wireless fire alarm system is packed full of features making it one of the safest solutions on the market.

Open Protocol

The Sygno-fi range is open protocol, so it is easily integrated with most addressable fire alarm panels giving you complete flexibility and choice.

SafePath

Redundant communication paths between expanders are automatically identified. If any Expander module in the chain fails, the path finds a new route, ensuring communication continuity.

Network Optimiser

Sygno-fi devices use 60 channels to ensure interference and channel collisions are avoided. It also checks and confirms that every packet of data is sent and received as expected.

SafeSwitch

The system is built with dual channel communication between devices. If one channel is blocked, the other automatically takes over so that every message is delivered.

Pathfinder Technology

With a point to point transmission range over 1km and an antenna tuned for performance across frequencies and environments, Sygno-fi protects large buildings with ease.

10 Year Battery Life

Sygno-fi systems come with a 10-year battery life on sensors, call points and inputs and up to five years on output devices, sounders and VADs.

Power Management

A synchronised clock among the field and infrastructure devices with a communication slot to transmit and receive messages helps optimise battery life.

Hybrid Technology

The Sygno-fi range is compatible with hybrid systems, allowing both hardwired and wireless devices to work seamlessly. Each hybrid loop can take up to 240 devices.

EN54-25 Certified

All the devices in the Sygno-fi range are EN54-25 Certified in line with the European product standard for wireless fire alarms.

sygno-fi
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+ Bluetooth Connectivity

Enhanced Bluetooth connectivity enables faster, more intuitive commissioning and maintenance directly from a laptop, streamlining on-site workflows.

+ Signal Strength at CIE

Improved signal strength visibility at the CIE provides clearer insight into system performance, supporting more informed decision-making and ongoing reliability.





+ Battery Life at CIE

Real-time battery status visibility at the CIE allows for proactive maintenance, helping to optimise system performance and reduce unexpected downtime.



SygNEX advanced system programming

Our bespoke software is designed to be user-friendly, allowing each Sygno-fi system to be specified with ease for the differing needs of each individual site.

-  **Product QR code** scan with PC camera for easy product import into the system.
-  **Drag&Drop** devices on floor plans for simple setup
-  **ConfigWizard** button to auto-learn all your devices onto the system
-  **LiveDisplay** provides access to a real time visual display of the system status for fast control.



Site Survey App

Surveying just got a lot easier thanks to our free app. Available on all Android devices.

Download from the Google Play Store.



Sygno-fi by Eurotech product range



Sygno-fi Heat Detector

The latest in wireless heat detector technology and is configurable for rate of rise or high temperature operation. The fully intelligent device is designed to give the best warning of a fire where smoke detection technology is not suitable.



Sygno-fi Multi-Sensor Detector

This fully intelligent device combines both dual optical smoke and heat detection technologies for improved performance, whilst maintaining high levels of unwanted alarm rejection.



Sygno-fi Optical Detector

The detector utilises dual optical smoke detection technologies and algorithms for improved performance, maintaining the highest levels of false alarm rejection.



Sygno-fi Manual Call Point

This fully intelligent device is compatible with all Sygno-fi translator and expander modules. The unit has a resettable plastic element which displays a drop down warning indicator. Weatherproof enclosure also available.



Sygno-fi Sounder Base

This wireless sounder base can be used as stand-alone notification device (with a blanking cap) or as a combined detection and alarm device. The unit has as standard 32+32 recognised sounder tones and 4 levels of volume adjustment.



Sygno-fi Sounder VAD Base

This sounder with VAD base (red or white flash) is a high performance device, incorporating an EN54-23 compliant VAD used to alert people in the event of a fire. Each unit has an integral moulded base for mounting an wireless detector or a sounder cover if a detector is not required.



Sygno-fi Wall Sounder

The Sygno-fi Wall Sounder is a EN 54-3 (Type B) compliant acoustic device, equipped with 3 levels of volume adjustment and 32 recognised tones which can be set via the control equipment or locally at the sounder. Red and white housing options are available.



Sygno-fi Wall Sounder VAD

This Sounder VAD is a EN 54-3 (Type B) and EN 54-23 compliant visual/alarm device is equipped with 3 levels of volume adjustment, high output LED beacon, and 32 recognised tones which can be set via the control equipment or locally at the sounder. Red and white housing options are available.



Sygno-fi Input Module

The SYG-IM Sygno-fi Input Module has a single fully monitored input circuit which allows simple integration of third-party equipment with the fire system by monitoring of both fire and fault contacts.



Sygno-fi Output Module

This Output Module has been designed to allow easy control of a variety of third party equipment including access control doors, ventilation plant and fire extinguishing systems. The unit is powered entirely from its internal battery supply. Mains rated version available.



Sygno-fi Translator Module

The SYG-W2W-EHD Sygno-fi Translator Module is the core component of the Sygno-fi intelligent hybrid fire detection and alarm system and comes with or without an integrated PSU. When connected on to a compatible loop, the unit is capable of linking up to 128* fully intelligent wireless field devices with the fire alarm system. (*when associated with at least 3 x Sygno-fi Expander Modules).



Sygno-fi Expander Module

The unit provides a convenient method to increase radio communication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices, allowing to build large fully wireless systems or add wireless devices onto areas where cabling for translators is difficult or impossible. Comes with or without an integrated PSU.



Sygno-fi Remote Indicator

The SYG-RI Sygno-fi Wireless Remote Indicator is a programmable output device which can be operated by the control panel in the event of fire, alarm or fault conditions from selected devices.



Sygno-fi Wireless Dongle

The SYG-DD dongle device allows the user to wirelessly connect the PC to the translator for system management purposes (commissioning, debugging and diagnostic). Compact and easily portable, the device is powered by USB cable once connected to the pc or by the two onboard batteries.

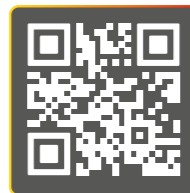


Sygno-fi Door Holder

The wireless magnetic door holder is a versatile device allowing for easy integration into existing systems or use as a conventional unit. Its fully wireless, battery-powered design facilitates quick and cost-effective installation without the need for wiring and external equipment. The device employs advanced radio signal processing algorithms and magnet technology to ensure high reliability and safety.

We're here to help

Here at Eurotech, we take pride in our post-sales support, technical service provision and reliability when it comes to helping you with your client's fire system needs. We only provide the best, most robust fire safety systems and the Sygno-fi range encompasses those values.



[Download Sygno-fi Consultant Specification](#)

Speak to our experts
+44 (0) 203 141 0999

Hardware Product Innovation of the Year



In November 2022 our Sygno-fi by Eurotech range won the Security & Fire Award for Excellence for Hardware Product Innovation of the Year. These prestigious industry awards recognise and celebrate the very best in the fire and security industry.



Cirque du Soleil

Global Locations

Objective

To provide a flexible and reliable fire detection solution for Cirque du Soleil's temporary big top venues, ensuring the safety of performers, staff, and spectators while supporting rapid installation and dismantling across global touring locations.



System Installed

Sygnof-i by Eurotech wireless fire detection and alarm system installed across temporary big top structures worldwide. Utilising the Sygnof-i dongle, the system enables fast commissioning, reduces work at height, and delivers reliable fire protection within complex, rapidly deployed entertainment environments. Installation and commissioning time was reduced by half.



NRS Berkerley

Award-Winning Case Study



Active Fire Project of the Year

Objective

To replace a fragmented, outdated, and unreliable fire alarm system with a fully integrated, wireless solution that enhances safety, improves operational efficiency, and restores user confidence.



System Installed

We deployed a state-of-the-art Sygnof-i by Eurotech wireless fire detection system across the entire 27-hectare Special Scientific Interest (SSSI) site. The system allows for intelligent 'cause and effect' diagnostics that aligns with nuclear site safety protocols, ensuring minimal electromagnetic interference and absolute reliability.



Chester Rows

Award-Winning Case Study



Active Fire Project of the Year

Objective

The Chester Rows project aimed to protect 303 interconnected shops and units spread over four historic streets, a site visited by 16.5 million people annually and contributing £2 billion to the local economy. These timber-framed structures date back to the 13th century, making them highly susceptible to fire.



Challenges Overcome

The historic nature of Chester Rows brought significant hurdles: obtaining Listed Building Consent for the installation of detection systems, preserving the visual and structural integrity of untouched walls, and accommodating the day-to-day operations of businesses and public accessibility.



System Installed

Through their collaborative efforts, Charles Thomas and Eurotech delivered a revolutionary solution: a wireless ASD system installed externally for the first time, supported by the award-winning Sygno-fi by Eurotech wireless fire system, combined with TITANUS® ASD systems and MxPro5 panels.

This comprehensive approach not only safeguarded the physical structures but also preserved Chester Rows' cultural and economic significance, ensuring Chester Rows remains protected from fire for many years to come.



On occasions in the fire detection industry, a company breaks the mould from just being a box shifter into a fantastic customer supporting business. A company that stands out from this crowd is Eurotech Fire Systems. Their attitude and commitment to great customer service goes a long way above and beyond any other company we deal with currently.”

Bradley Parker, Charles Thomas Heritage Fire Protection

MORE than a Manufacturer

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Fire Industry Association
Leading Excellence in Fire Since 1916



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