

Hybrid Wire to Wireless Fire Solutions

Hyfire

The Hyfire wire to wireless system offers a convenient, yet reliable method to economically extending existing or new hard wired intelligent fire detection systems. The system is particularly suitable for areas of high architectural sensitivity or where access is restricted. The wire free installation of components offers rapid installation and minimal disturbance to the surrounding.

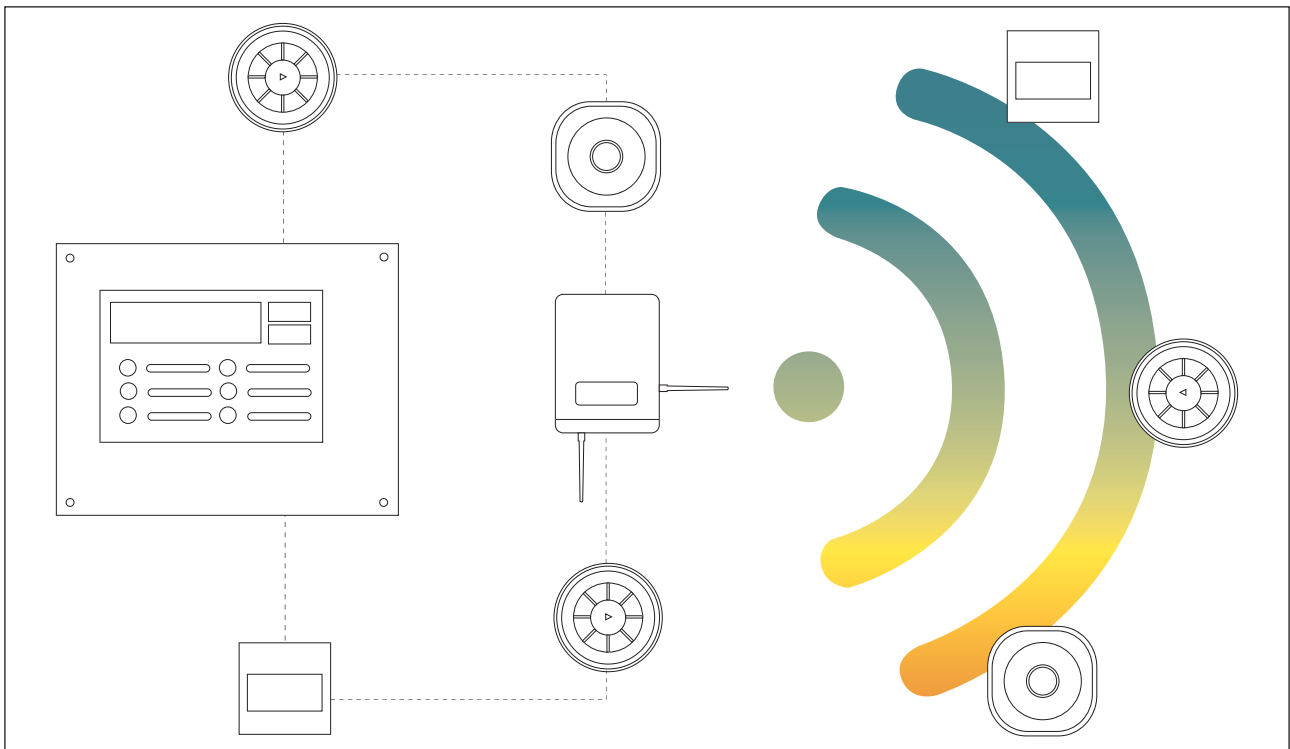
The Hyfire system is based on a proven protocol and wireless technology derived from the European security industry. Conforming to prEN54:25, the latest European draft standard and operating on the new European frequency of 868 MHz. Its two way (bi-directional) communication provides the highest level of transmission, security and reliability. The encrypted signal operates across 7 dependent channels and with

Engineering Peace of Mind

multidirectional antennae signal corruption and fade are virtually eliminated.

Hyfire components operate freely available low cost 3v lithium batteries, providing a 5 year life on the primary cell and a further 2 months on the secondary cell. All batteries are continually monitored for low battery conditions which are automatically communicated to the central fire control panel.

Hyfire offers a complete program of smoke detectors (compliant with EN54 Part 7) and ancillary devices including battery powered wall sounders compatible with leading intelligent fire control manufacturers protocols, these devices integrate seamlessly onto the intelligent fire system loop wiring via a wire to a wireless translator module. This device facilitates the addition of 32 wireless smoke sensors, sounds or our put devices. Multiple Translator modules may be put on each intelligent loop.



WFP Fire and Security

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All devices have a notional range of 200m in free air, but the system is supported by an Expander Module to enhance transmission strength in areas of difficult structural architecture.

The Translator delivers full intelligent sensor integration and allows analogue values, fire and fault information and device type codes to be transmitted to the system control panel.

Programming of the Hyfire system components is easily accomplished at the loop Translator Module through an onboard keypad or remote PC.

System design and detector placement is greatly simplified by an onboard bi-colour LED, which indicates device status and communication strength. A comprehensive survey and testing kit is also available or a radio survey can be undertaken by one of our network or trained distributors, alternatively technical support can be sought through our telephone helpline: 0845 481 0307.

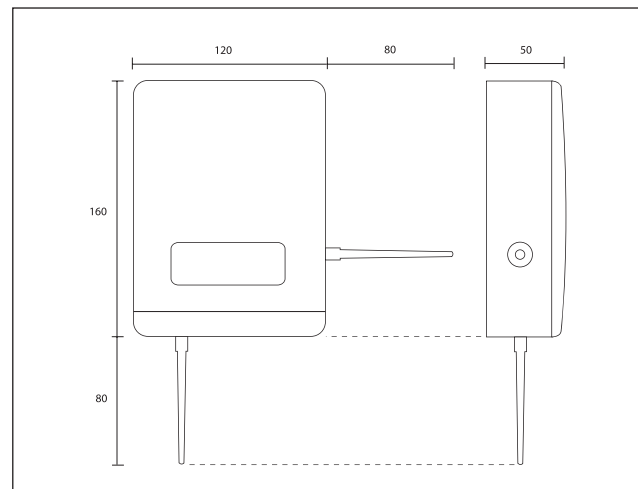
Products are warranted for 3 years (excluding batteries) and carry CE marking.

Hyfire W2W-SS-01 Translator

Powered by the control panel loop, the translator processes messages received from the wireless detectors, Modules, Call Points, etc. And transmits information about itself and the devices to the system control panel. The control panel recognises the Translator and the devices as individual addressed points on the loop.

Translator characteristics

- ✓ Patented double orthogonal antennae to guarantee reliable communication
- ✓ Unique frequency hopping algorithm
- ✓ High noise immunity
- ✓ Bi-directional communication protocol between all wireless devices
- ✓ 7 transmission protocol
- ✓ Up to 32 devices used with translator
- ✓ System can be program through internal keys or a PC



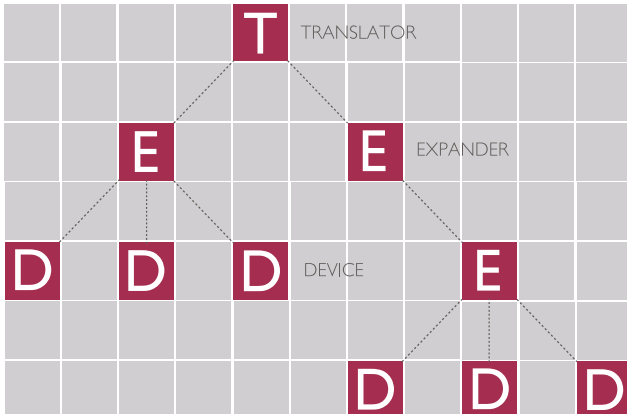
Hyfire HFW-EM-01 Wireless Expander

The expander module provides the ability to communicate with devices over greater distances and in difficult radio environments. It utilises a unique and powerful “Microcell” structure with a capacity of up to 7 expanders and 32 radio devices, which can be any combination of detectors, call points, sounders or modules.

Hyfire is complete with a full range of fully intelligent detectors and accessories communicating through a sophisticated wireless protocol providing high reliability and rapid installation.

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Hyfire HFW-TA-O1 Analogue Thermal Detector

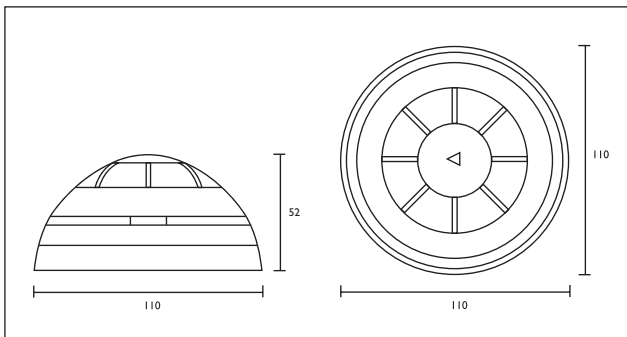
Temperature compensation guarantees steady and reliable operation in low and high temperature limits.

Decorline detectors can be supplied with unique finish to match virtually any background



Device general features

- ✓ Bi-directional communication between wire to wireless translator
- ✓ 868Mhz frequency with 7 transmission channels
- ✓ Highly secure and reliable transmission
- ✓ Central bi-colour LED (red/green) guarantees 360° visibility
- ✓ Programmable sensitivity Fast, simple and economic installation
- ✓ 3 volt primary and secondary status monitored



Hyfire HFW-CPO1 Wireless Call Point

Wireless reset-table manual call point designed in accordance with EN54-11. Bi-colour LED (red/green) provides comprehensive information of the device status, signal strength and battery status.

HFW-IM-O1 Single Input Module

HFW-OM-O1 Single Output Module

The supervised HFW-IM-O1 input Module can be used for connecting and monitoring external devices or conventional fire detection. The HFW-OM-O1 output module enables the control of external devices from the control panel via its integral relay.

Hyfire HFW-PA-O1 Analogue Optical Smoke Detector

A symmetrical smoke chamber guarantees optimal smoke sensitivity from all directions. The double dust trap protects the smoke chamber from airborne contamination.

The modules are fitted with: 2 batteries, primary and secondary (Input Module only) Tamper protection Bi-Colour (red/green) LED indicator displays module operating modes, condition of power supplies and a mode for evaluating signal quality.

Hyfire HFW-MA-O1 Analogue Multi-Criteria Detector

An advanced algorithm determines the alarm status by analysing both the volume of smoke within the optical chamber and the temperature variation.

HFW-WSR-O1 Wireless Sounder

Addressable indoor sounder with bi-directional radio protocol controlled by the control panel and powered by two batteries (primary and secondary) 100dBA.

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