

Key features

- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- IP68 protection for exterior mounting
- Makes additions to addressable or conventional systems easy and cost effective
- Designed in accordance with prEN54:25
- "Microcell" technology allows flexible system design and improved performance on all sizes of system
- Fully compatible with all Hyfire system devices.
- Site programmable via PC link or Wireless Keypad

Reference: HFW-EM-01

Wireless Expander Module

The HFW-EM-01, when used, increases radio coverage of a HFW-W2W-01 Translator Module, allowing the use of the system in larger buildings and difficult wireless environments. Multiple expanders can be utilised in a micro cell structure to provide a solution to large complex systems.



Additional Information

- Up to 7 Expander Modules may be configured to any one Translator Module forming a micro cell cluster
- Each cluster can be programmed with up to 32 radio field devices. These devices can comprise of any combination of detectors, call point and input modules, and include up to 16 sounders and output devices.
- The Expander Module relays the intelligent device information from the field devices to the loop Translator Module using a highly stable bi-directional radio communication protocol.
- The system parameters are programmed into the Expander Module via a RS232 PC link or Wireless Keypad.
- When fitted with the HFW-CI-01 Conventional Interface module, the Expander has the facility to connect, via onboard relay contacts, wireless detectors and call points to either a conventional fire system zone or to an addressable interface module on an analogue fire system that does not support the Translator Module directly.

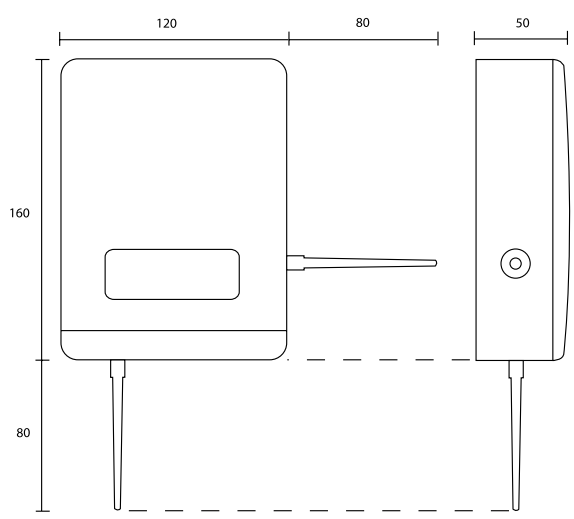
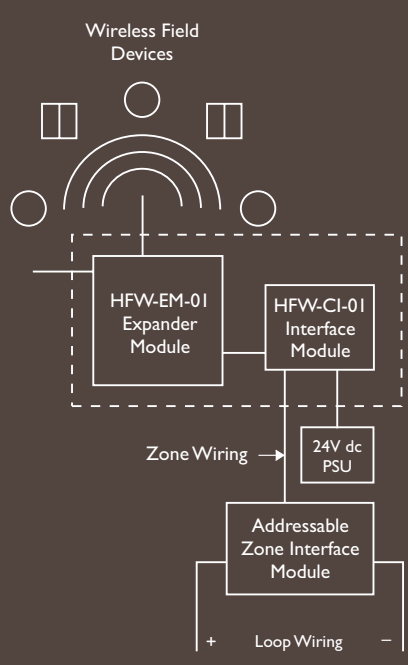
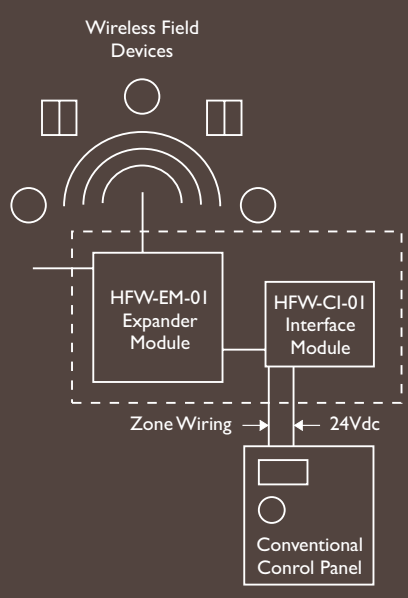
Design

- The unit is housed in an IP68 housing making it suitable for mounting in a wet environment or outdoors.
- The Expander is fitted with two orthogonal antennae reducing signal fading and ensuring reliable radio communications.



HFW-EM-01

Compatible Accessories
HFW-CI-01
Conventional
Interface Module



Technical Specification	
Communication range with the Translator Module	300M (open space)
Communication range with the Field Devices	150M (open space)
Operating Frequency	868-870 MHz
Modulation Type	Frequency Modulation
Number of Operating Channels	7
Time Period Between Wireless Signal Transmissions	From 7 sec. to 2 min.
Dimensions	160mm x 120mm Excluding Aerials
Operating Temperature Range	-30°C to +50°C
IP Rating	68
Operating Voltage	10 - 27V dc
Current Consumption	16mA

