



Xpander Wireless Technology



Where cables cannot go, Xpander can

- XP95 range expansion
- Intelligent
- Eliminates cable problems
- Minimises disruption
- Enables rapid retrofit
- Easy to install
- XPERT card addressing
- Self monitoring
- Proven technology
- No special control panel needed
- 868MHz radio channels
- Upto 15 devices per interface
- Up to 5 interfaces
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All detectors within the Xpander range are sold with mounting bases

XPander can be incorporated into fire detection systems in stately homes and architecturally sensitive buildings where the use of fire cables is either impracticable or undesirable.

XP95 detectors are often installed in buildings where wiring presents a challenge, most often because the fabric of the building or its design will be negatively affected by the use of cables. It is sometimes very difficult to introduce cable runs into buildings which were not designed for the modern age. It is for buildings of this kind that XPander has been developed.

XPander is a system in which individual detectors, call points and alarm devices communicate with the XP95 loop by radio signals. An interface is connected to the loop in the same way as any other interface, such as an Input/Output Unit.

Every XPander device is assigned an address and this address is recognised by the control panel in the same way as is the address of any device connected directly to the loop wiring



Part No: 03-R-063

The Xpander Optical Smoke Detector and Address module

The detector works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Modified to function with the low current requirements of radio systems
- Bi-directional (monitored) radio platform
- Easy to install
- Powered by two independent packs of three AA alkaline batteries with a typical three year life



Part No: 03-R-064

Xpander Multisensor Smoke Detector and Address module

The multisensor contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value.

- Sensitive to a wide range of fires
- Well suited for environments such as hotel bedrooms
- Modified to function with the low current requirements of radio systems
- Bi-directional (monitored) radio platform
- Easy to install
- Powered by two independent packs of three AA alkaline batteries with a typical three year life



Part No:
Rate of Rise (CS): 03-R-065
Static (A1R): 03-R-066

Xpander Heat Detector and Address module

There are two heat detectors in the XPander range designed to suit a wide variety of operating conditions - a static heat detector (CS) which responds only when a fixed temperature has been reached and a rate-of-rise detector (A1R) which has a fixed upper limit, but in addition, measures the rate of increase in temperature.

- Can be used in applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- CS detectors are ideal for use in environments with rapid temperature fluctuations such as boiler rooms
- Modified to function with the low current requirements of radio systems
- Bi-directional (monitored) radio platform
- Easy to install
- Powered by two independent packs of three AA alkaline batteries with a typical three year life



Part No: 03-R-059

XPander Interface Unit

The Xpander interface unit communicates between the intelligent control panel and the Xpander detectors as the detectors alone cannot communicate directly with the panel.

- Connect upto 15 XPander devices to an XP95 loop
- Translates radio signals from XPander detectors to the control panel
- Incorporates an integral loop isolator and is polarity sensitive



Part No: 03-R-060

There are two aerials available to complement the XPander range:

- Xpander External Aerial which is used to strengthen the radio signals sent between the XPander Interface Unit and Xpander devices
- XPander External Direction Aerial which is used to pick up radio signal from outbuildings and apexes

Part Nos:
 External Aerial: 03-R-061
 External Directional Aerial 03-R-062

XPander Survey Tool (not illustrated) tests for radio signal strength: The new XPander Survey Tool is used at the site survey stage to ascertain if a site is suitable for an XPander installation. A site survey must be carried out before XPander can be installed.

Part No: 03-R-060

Sounders and sounder beacons are also available in white.



XPander Sounder and Sounder Base - Red

Part No: 03-R-056



XPander Red Sounder Beacon and Red Sounder Base

Part No: 03-R-057



XPander Manual Call Point

Part No: 03-R-058

Ancillary devices available for the XPander range:

Product Name	Part Number
XPander Manual Call Point	03-R-058
Xpander Sounder and Sounder Base Red	03-R-056
Xpander Sounder and Sounder Base White	03-R-067
Xpander Red Sounder Beacon and Red Sounder Base	03-R-057
Xpander Amber Sounder Beacon and White Sounder Base	03-R-068
Xpander Clear Sounder Beacon and White Sounder Base	03-R-069

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For the full range of products and part numbers please contact us

