



Quality control and reliability



Teledata Wire to Wireless fire Solutions

Teledata...the wire to wireless solution

The Teledata wire to wireless system offers a convenient, yet reliable method for economically extending existing or new, hardwired intelligent fire detection system. 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.

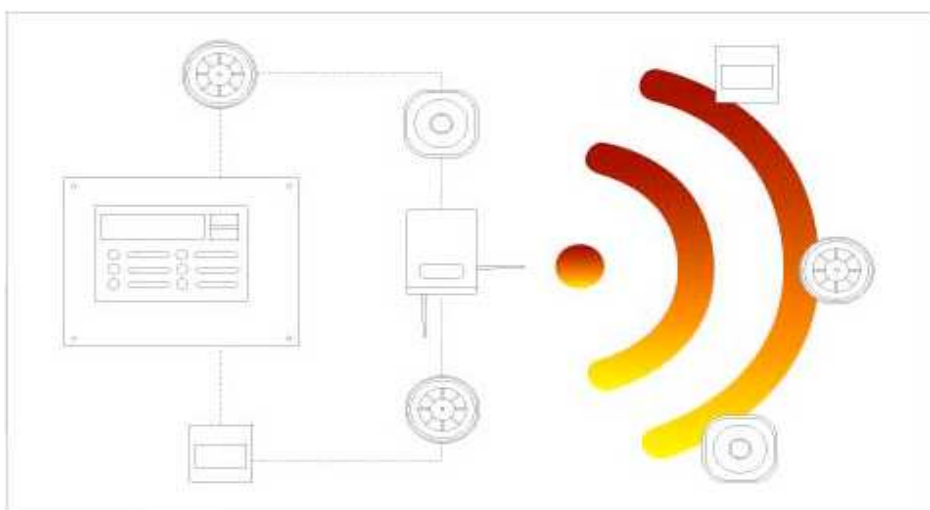
The Teledata system is based on a proven protocol and wireless technology derived from the European security industry. Conforming to EN54:25, the latest European draft standard and operation on the new European Frequency of 868MHz. Its two way (bi-directional) communication provides the highest level of transmission security and reliability. The encrypted signal operates across 7 independent channels and with multidirectional antenna, signal corruption and fade are virtually eliminated.

areas of difficult structural architecture.

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

Teledata offers a complete program of smoke detectors (component 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 wireless Translator Module. This device facilitates the addition of 32 wireless smoke sensors, sounders or output devices. Multiple Translator modules may be put on each

allows analogue valves, fire and fault information and devices type codes to be transmitted to the system control panel.



All devices have a notational range of 200m in free air, but the system is supported by an Expander Module to enhance transmission strength in

intelligent loop.

The Translator delivers for full intelligent sensor integration and

Programming of the Teledata 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 bicolor 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 of trained distributors, alternatively technical support can be sought through their telephone helpline.

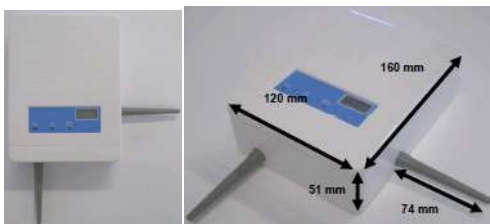
Products are warranted for three years (excluding batteries) and carry CE marketing.

Teledata W2W Translator

Powered by the control panel loop, the Translator processes messages received from the wireless Detector, Modules Call Points, etc. and transmit information about itself and the device to the system control panel. The control panel recognizes the Translator and the devices as individual addressed points on the top.

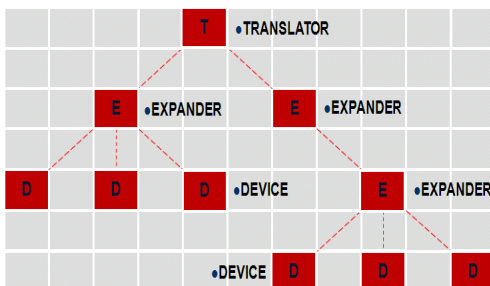
Translator characteristics:

- 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 channels
- Up to 32 devices used with each translator
- System can be programmed through internal keys or a PC



Teledata FDWE100 Wireless expander

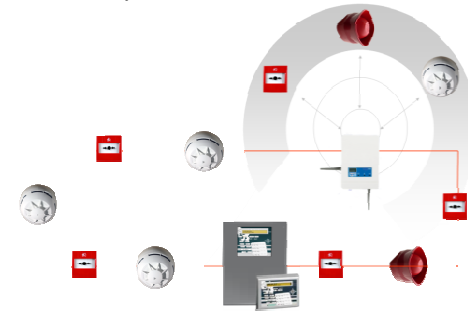
The expander module provide the ability to communicate with devices over greater distance and in difficult radio environments. It utilizes a unique and powerful "Microcell" structure with a capacity of up to 7 expanders and 32 radio devices, which can be any combination of detectors, call points, sounders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



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

Device general features

- Bidirectional communication between wire to Wireless Translator
- 868Mhz frequency with 7 transmission channels
- High secure and reliable transmission
- Central bi-color LED (red/green) guarantees 360 visibility
- Programmable sensitivity
- Fast simple and economic installation
- 3 volt primary and secondary battery status monitored



Teledata SWF1000

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.

Teledata SWF2000

Analogue multicriteria detector

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

Teledata SWF3500

Analogue thermal detector

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

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



Teledata modules and accessories

Teledata FDWCP100 Wireless Call point

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

FDWVMI100 single Input Module FDWVMI120 single Output Module

The supervised FDWVMI100 single Input Module can be used for connecting and monitoring external devices or conventional fire detection. The FDWVMI120 single output module enables the control of external devices from the control panel via its integral relay.

The modules are fitted with:

- 2 Batteries, primary and secondary (Input Module only)
- Tamper protection
- Bi-Color (red and green) LED indicator displays module operating modes, condition of power supplies and a mode for evaluation signal quality

FDSGRS100 Wireless Sounder

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



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TELEDATA

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