O v e r v i e w

KELTRON

Active Network Radio Signaling Systems

Life safety and security are dependent on fast and accurate response. Keltron knows that seconds can save lives and property and we are committed to developing solutions that enable our customers to transmit faster, more reliable and more accurate life safety event information.

Reliance on telephone lines to transmit fire and security information is becoming increasingly expensive and unreliable. In an effort to offer a better solution, Keltron's innovative engineers created a active network radio signaling system based on radio transceivers that replace telephone lines to transmit mission critical alarm signals.

Our systems use field-proven, robust, declassified military technology that currently protects government facilities throughout the world. Keltron's active network radio technology eliminates dedicated telephone lines that connect the fire alarm systems at a protected premise to its proprietary or municipal dispatch center.

The benefits of active network radio

Keltron's active network radio signaling systems provide reliability, speed and cost savings to both the monitoring facility and the subscriber.

- Reduces ongoing expense by eliminating expensive telephone lines
- Reduces capital expense by interfacing with existing systems
- Increases accuracy by eliminating false alarms due to faulty lines
- Improves reliability through multiple path routing that ensures signal reception

How the wireless system works

Based on the Keltron's proven, reliable alarm monitoring systems, features UL-listed radio transceivers that replace conventional telephone lines. The unique, powerful and patented store-and-forward multipath capability alleviates the need for both towers and expensive repeater sites as every subscriber radio transceiver functions as a repeater.

Distributed intelligence and dynamically evaluated transmission paths ensure that the most reliable path to the central receiver is always utilized. Each added subscriber transceiver strengthens the network and can provide another transmission path to the central receiver for the other subscribers.

Network monitoring software enables an optional PC to display and record all network activity. This provides the vital network status information required to easily operate, troubleshoot and maintain the network.

Features

- Meets NFPA 72 fire codes and all applicable UL standards
- Radio receiver easily interfaces with new or existing Keltron systems
- Multipath capability eliminates the need for both towers and expensive repeater sites
- Distributed intelligence and dynamically evaluated transmission paths direct optimal routing
- Constant route analysis and prioritization results in optimal routing
- Two-way signaling with multiple retries and packet acknowledgement ensures signal receipt
- Additional subscribers strengthen the network by providing additional transmission paths

- Network monitoring software provides vital network status information
- Digital data packets increase transmission reliability
- Software modules support a large received events buffer and remove duplicate signals
- Non-volatile memory retains subscriber transceiver zone status during reset or power down
- Programmable message database provides accurate, instantaneous and precise dispatch
- Field-programmable output controls enable radio signal integration with otherwise incompatible systems

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 26, or info@keltroncorp.com.

Keltron Corporation 225 Crescent Street, Waltham, MA 02453 voice 781.894.8710 fax 781.899.9652 www.keltroncorp.com