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Data sheet

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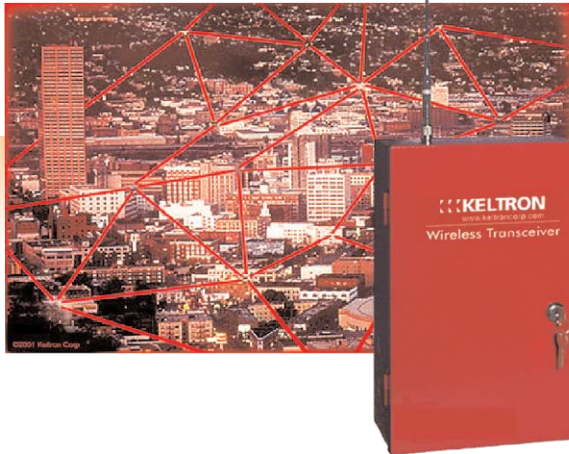
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Keltron RF774F Wireless Transceiver



- High performance
- Cost effective
- Scalable
- UL-Listed Primary Signaling

Keltron RF774F wireless transceivers provide two-way alarm transmission from monitored locations to the supervising receiver. Replacing expensive and unreliable telephone lines, active network radio is a self-routing and self-healing solution that ensures instant life safety event monitoring over a wide geographic area.

Designed for use in campus facilities, industrial complexes or municipal environments, each Keltron RF774F wireless transceiver serves as both a transceiver and a repeater to improve the strength and range of the entire network. The two-way transceiver provides high integrity communications that ensure every signal is authenticated and acknowledged.

Keltron RF774F wireless transceivers feature 8 discrete programmable inputs, 4 reverse polarity (RP) and 4 end-of-line (EOL) inputs.

Keltron RF774F benefits

- High performance** - delivers messages in less than two seconds - faster than any other method
- Cost effective** - case-mount antenna - easy installation reduces expense - eliminates monthly telephone charges
- Scalable** - multiple routing enables long range mesh network with high capacity growth potential
- Reliable** - unique store-and-forward technology eliminates signal loss

Keltron RF774F features

The Keltron active network radio system is UL-listed as a Primary Signaling System. This means that it may be used as the sole method of transmitting fire alarm signals to the receiving location. Other key features include:

- 4 reversing voltage inputs, optically isolated for maximum ability, programmable for reversing relay type fire panel outputs (RP)
- 4 programmable zone inputs for general alarm applications, (EOL)
- Built-in power supply and battery charger
- Digital dialer input using the IntelliTap receiver to tap the alarm panel dialer output and transfer full alarm data by radio
- Alternate input module, DataTap™ RS232 interface to addressable FACP

Programmable features include:

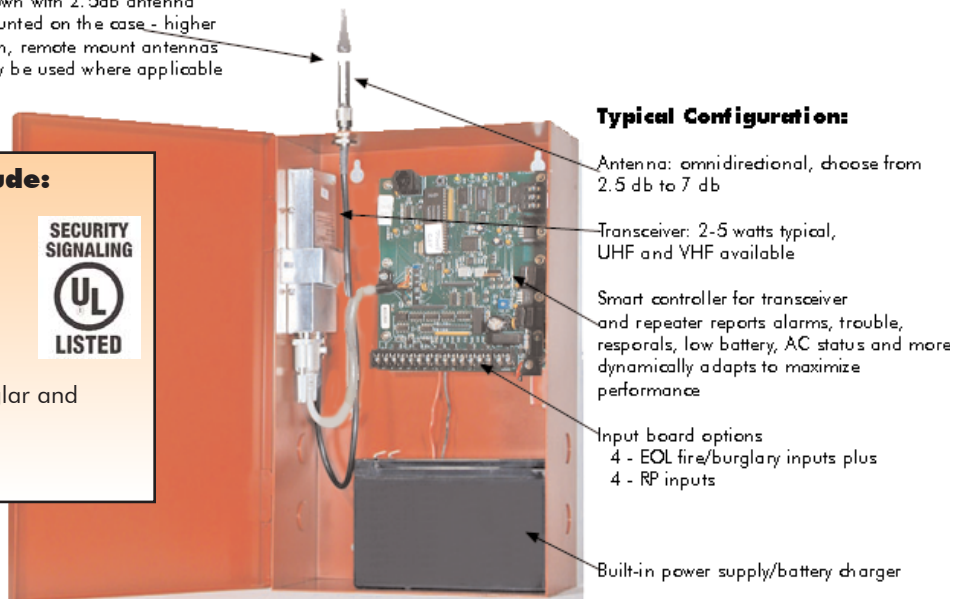
- Check-in time
- Time-to-live (TTL)
- AC fail delay reporting
- Second alarm delay
- Antenna cut delay
- Network/cipher code/account

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Shown with 2.5db antenna mounted on the case - higher gain, remote mount antennas may be used where applicable

UL Fire & Safety Listings Include:

- UL1610 (standard)
Central Station Alarm Units
- UL864 (standard)
Control Unit Accessories, System
- UL681 (standard)
Installation and Classification of Burglar and Holdup Alarm Systems

Typical Configuration:

- Antenna: omnidirectional, choose from 2.5 db to 7 db
- Transceiver: 2-5 watts typical, UHF and VHF available
- Smart controller for transceiver and repeater reports alarms, trouble, responses, low battery, AC status and more dynamically adapts to maximize performance
- Input board options
4 - EOL fire/burglary inputs plus
4 - RP inputs
- Built-in power supply/battery charger

Specifications

8 Zones	4 programmable zones, NO/NC/supervised (fire) (EOL) plus- 4 reversing voltage inputs (fire) (RP)	AC status reporting	Reports to supervising station after approximately 100 minutes without AC power, reports AC power restoral after approximately 100 minutes of restored power
Ack delay/ Antenna cut	(local reporting) provides a signal at the transceiver if transmissions are blocked, low battery or charger fail	Colors	Available in standard colors: burglary beige or fire red. Please specify when ordering
Radio	Standard frequency range is 440-470 MHz, others available	Operating temperature range	0 to 49° C
Standard output power	2 watts, others available. All radio systems require FCC licensing	Storage temperature range	-10 to 60° C
Power input	16.5VAC, 40VA, UL-listed class II transformer required	Relative humidity range	0 to 85% RHC, Non-condensing
Handheld programmer	1 per network (order separately) - used primarily during installation of the transceiver to set transceiver parameters (10R7041)	Box dimensions (approx.) (excluding antenna)	13.25" H x 8.5" W x 4.3" D (34cm x 21.5cm x 11cm)
Voltage	12VDC nominal	Box weight (approx.) (excluding battery)	5.8 lbs / 2.6 kg
Current	150 mA standby, 1.2 A transmit (2 W transmitter)	Options	
Back-up battery (order separately)	12V, 7.5AH (24h), lead acid gel type	IntelliTap	Satellite/remote dialer data receiver
Low battery reporting	22.5 minute test cycle (approx.)	DataTap™	RS232 serial interface to addressable FACP data receiver

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for the municipal and proprietary markets. Solutions include Ethernet signaling systems, active network radio systems, distributed multiplex systems, digital communicator/receiver systems, and direct wire systems. This document is not intended for installation or maintenance purposes. All specifications are subject to changes without notice. For more information visit www.keltroncorp.com or contact us at 781-894-8710.

