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
- **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
- Ground fault detection for direct device monitoring
- Charger failure reporting
- Synthesized radios increase stability and accuracy

**Programmable features include:**

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Colors</strong></td>
<td>Available in standard colors: burglarly beige or fire red. Please specify when ordering</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>0 to 49° C</td>
</tr>
<tr>
<td><strong>Storage temperature range</strong></td>
<td>-10 to 60° C</td>
</tr>
<tr>
<td><strong>Relative humidity range</strong></td>
<td>0 to 85% RHC, Non-condensing</td>
</tr>
<tr>
<td><strong>Box dimensions (approx.)</strong></td>
<td>13.25&quot; H x 8.5&quot; W x 4.3&quot; D (34cm x 21.5cm x 11cm)</td>
</tr>
<tr>
<td><strong>Box weight (approx.)</strong></td>
<td>5.8 lbs / 2.6 kg</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12VDC nominal</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>150 mA standby, 1.2 A transmit (2 W transmitter)</td>
</tr>
<tr>
<td><strong>Back-up battery (order separately)</strong></td>
<td>12V, 7.5AH (24h), lead acid gel type</td>
</tr>
<tr>
<td><strong>Low battery reporting</strong></td>
<td>2 minute test cycle (approx.)</td>
</tr>
<tr>
<td><strong>AC status reporting</strong></td>
<td>Reports to supervising station after approximately 100-160 minutes without AC power, reports AC power restoral after approximately 100-160 minutes of restored power</td>
</tr>
</tbody>
</table>

### Options

- **IntelliTap**
  - Satellite/remote dialer data receiver

- **DataTap™**
  - RS232 serial interface to addressable FACP data receiver*

*Note: any fire panel that is monitored by a Keltron transceiver must provide a serial data output or compatible hardware outputs that are active and can be monitored. Review the compatibility charts on the Keltron Web site for more details.

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.