4-Zone Fire Panel With Built-In Primary GSM Cellular Communicator

The 4555 is a UL listed all-in-one control panel and communicator for commercial fire applications. It includes a smoke detector circuit, annunciator output, and four supervised zones. With its built-in primary cellular and POTS communications capability, the Uplink 4555 provides an easy to install and economical solution for fire monitoring.

Device Features:

- UL listed for ANSI/UL 864
- Reports Contact ID, SIA
- 24V outputs for notification and smoke detector
- Four supervised zones
- External LED indicators
- Alarm reset button
- Onboard sounder
- Built-in charger for up to two 12AH batteries
- Includes external AC power supply

UPLINK ADVANTAGES

- Provide primary control or use as a slave communicator
- Cost savings over traditional fire alarm panels and communicator combinations
- Digital dialer and cellular radio
- Ideal for sprinkler, riser, and small to medium installations
- Live technical and activation support, 8:00 a.m. to 8:00 p.m. EST, Monday through Friday

Specifications subject to change without notice.
### Specifications

#### ALARM SIGNALING
- **Applications**: Primary controller or slave communicator
- **Modes**: Primary cellular, POTS w/cell backup
- **Formats**: Contact ID, SIA
- **Automated Testing**: Daily, 6 hour, 1 hour

#### RADIO
- **Technology**: UMTS/HSDPA/GSM/GPRS/EDGE
- **Frequency Bands**: 850/1900 MHz
- **Sensitivity**: -106 dB (typical)
- **Output Power**:
  - Class 4 (2W @ 850 MHz, max)
  - Class 1 (1W @ 1900 MHz, max)
  - Class 3 (0.25W @ 850/1900 MHz, max)

#### TELCO INTERFACE
- **Dial Format**: DTMF
- **Line Impedance**: 600 ohms
- **Ringer Equivalence**: 0.3 REN

#### OUTPUT SPECIFICATIONS
<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Voltage</th>
<th>Max Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supervised, fully programmable</td>
<td>24 V</td>
<td>400 mA</td>
</tr>
<tr>
<td>2</td>
<td>Relay contact, fully programmable</td>
<td>5 V</td>
<td>120 mA</td>
</tr>
<tr>
<td>3</td>
<td>Unsupervised supply</td>
<td>24 V</td>
<td>400 mA</td>
</tr>
</tbody>
</table>

#### INPUT SPECIFICATIONS
<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Voltage</th>
<th>Max Current</th>
<th>Max Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Supervised, all programmable, 2.2k EOL</td>
<td>3.3V, protected to 15V</td>
<td>1mA</td>
<td>20 KHz</td>
</tr>
</tbody>
</table>

#### POWER
- **Power Supply (Included)**: Type: Class 2, UL Listed  
  
  Input: 120 VAC, 60Hz, 0.43A  
  Output: 16.5 VAC, 45VA  
- **Normal Current (On Hook)**: 125 mA  
- **Maximum Current (Off Hook)**: 600 mA  
- **Battery Standby Current**: 20 mA  
- **Battery**: Two ELK 12120 12 V, 12 AH (REQUIRED, NOT INCLUDED)  
  
  Battery Charging System: Pulsed width modulated constant voltage. Electronic short circuit protection, thermal protection  
- **Maximum Full Charge DC Voltage**: 27.2V +/- 0.2V  
- **Maximum Ripple**: 20mV  
- **Battery Operating Temperature Range**: -20° to +50° C

#### ENVIRONMENTAL
- **Temperature Range**: Operating: -20° to +50° C  
  
  Storage: -30° to +70° C  
- **Humidity**: 0-95% non-condensing

#### DIMENSIONS
<table>
<thead>
<tr>
<th>Height, Width, Depth</th>
<th>Weight</th>
</tr>
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<tr>
<td>12.2 w/o antenna (19.0 inches w/antenna) x 12.2 x 6 inches</td>
<td>15 lbs (with two 12AH batteries)</td>
</tr>
</tbody>
</table>

#### CERTIFICATIONS/COMPLIANCE
- **Radio**: FCC, IC, PTCRB, AT&T
- **Fire Safety**: UL listed for ANSI/UL 864, CSFM

Specifications subject to change without notice.

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**About Sierra Wireless**

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is an IoT pioneer, empowering businesses and industries to transform and thrive in the connected economy. Customers Start with Sierra because we offer a device-to-cloud solution, comprised of embedded and networking solutions seamlessly integrated with our IoT services. OEMs and enterprises worldwide rely on our expertise in delivering fully integrated solutions to reduce complexity, turn data into intelligence and get their connected products and services to market faster. Sierra Wireless has more than 1,400 employees globally and operates R&D centers in North America, Europe and Asia. For more information, visit www.sierrawireless.com.