Model UVRI

UltraVoice® Remote Interface Indoor/Outdoor Controller

The Federal Signal UltraVoice® Remote Interface (UVRI) unit is a remote terminal unit (RTU), specifically designed to provide remote control and status monitoring of an individual buildings fire alarm panel, mass notification panel, or public address system. The UVRI establishes a communication link between an isolated building unit and its mass notification system into our Federal Commander Digital Control System, creating a fully integrated indoor and outdoor Mass Notification System.

The UVRI’s primary application is to provide a communication bridge to allow a public safety official or anti-terrorism officer the ability to expand their alerting and notification capabilities into a municipal wide, campus-wide, or base-wide notification system solution. In addition, the UVRI also provides the added flexible capability to interface self amplified speakers and create additional notification directly from the UVRI unit itself.

The UVRI’s design is based on the field proven UltraVoice product line, which includes our UltraVoice Controller and UVIC products. As with all of our UltraVoice products, the UVRI includes as a standard feature an eight minute digital Voice chip. The UVRI also offers the unique capability for a remote operator to record and broadcast urgent message notifications. When local control and activations are required, the UVRI provides an easy to use local user interface with local push button control for seven control functions and a local microphone input for live voice announcements.

The UVRI is housed in a non-metallic indoor/outdoor NEMA 4X/UL50 rated enclosure.

The UVRI is a two-way digital communication unit, which, in its standard configuration, includes a Motorola Vertex VX-4500 transceiver for wireless communication back to the Federal Commander Digital System. However, the UVRI all supports a variety of other communication mediums including: Landline, Ethernet, and Satellite. The UVRI utilizes secure digital data transfer methods via 128-bit encryption to ensure no malicious or accidental operation of the system. Our two-way status monitoring provides information on the following conditions: AC power, battery voltage, enclosure intrusion, charger, local activation, and remote system operation.

**Features**

- Integrates to existing fire alarm panel or public address system.
- Reliable mass notification
- Radio, Landline, Ethernet Control
- Two-way communication and status monitoring
- 128-bit Encryption
- Seven standard warning signals
UltraVoice® Remote Interface Indoor/Outdoor Controller (UVRI)

**SPECIFICATIONS**

- **Operating Temperature**: 13°F to 140°F, -25°C to 60°C
- **Humidity**: 0-98% non-condensing
- **Electrical Input Current**: 115/230VAC 2.2/1.2 A
- **Battery Voltage**: 10-14VDC, 13.7 volts (nom.)
- **Battery Current**: < 260 mA standby current
  < 300 mA during a function
  < 7A during radio transmit
- **Standby Time**: Greater than 24 hours with Vertex VX-4500 transceiver
- **Signaling Formats**:
  - Number of codes: Up to 50 activation codes maximum
  - Number of functions allowed stacked under each code: Up to 20
  - Two-Tone Sequential or Single Tone: 282 Hz - 3000 Hz
    0.5 sec (A) - .25 sec (B) minimum to 8 sec maximum
  - DTMF: 3 to 12 digits standard
    50 ms/50 ms timing or greater
- **FSK**:
  - Baud rate: 1200 bps
  - Modem type: MSK (minimal shift key)
  - Mark frequency: 1200 Hz
  - Space frequency: 1800 Hz
  - Error checking: 16 bit CRC
- **EAS**:
  - Modem Tones: AFSK, 520.83 baud
  - POCSAG: Supports Binary frequency shift keyed, 2083.3 Hz and 1562.5 Hz
  - Supports Binary frequency shift keyed, 512 Baud numeric messages.
- **Cabinet Dimensions H x W x D**: 16” x 15” x 8-3/8” (406 mm x 381 mm x 213mm)
- **Shipping Weight (including battery)**: 29.6 lbs, 13.43 kg

1 The UVRI can operate throughout this temperature range provided the battery temperature is maintained at -18°C or higher.
2 The UVRI housing carries a NEMA 4X / UL50 rating.

**HOW TO ORDER**

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Interface unit, No Radio</td>
<td>UVRI</td>
</tr>
<tr>
<td>Remote Interface unit, VHF Band</td>
<td>UVRIH</td>
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<tr>
<td>Transceiver (136-174 MHz)</td>
<td></td>
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<tr>
<td>Remote Interface unit, UHF Band</td>
<td>UVRIU</td>
</tr>
<tr>
<td>Transceiver (403-470 MHz)</td>
<td></td>
</tr>
<tr>
<td>Remote Interface unit, Landline Control</td>
<td>UVRI-LL</td>
</tr>
<tr>
<td>Remote Interface unit, Ethernet Control</td>
<td>UVRI-IP</td>
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**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Commander® Software System, *10, 25, 255, or 512 Site License</td>
<td>SFCD*</td>
</tr>
<tr>
<td>Wall mounted speaker strobe</td>
<td>ENWSSPA</td>
</tr>
<tr>
<td>Wall mounted strobe</td>
<td>ENWSTPA</td>
</tr>
<tr>
<td>Ceiling mounted strobe</td>
<td>ENCSTA</td>
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</tbody>
</table>

- EN-WSSPA
- EN-WSTPA
- EN-CSTA

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