



► 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 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 transceiver for wireless communication back to the Federal Commander Digital System. However, the UVRI also 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.

F E A T U R E S

- 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 ¹ :	-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 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
	2083.3 Hz and 1562.5 Hz
POCSAG:	Supports Binary frequency shift keyed, 512 Baud numeric messages.
Dimensions H x W x D:	16" x 15" x 8-3/8" (406 mm x 381 mm x 213mm)
Net 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.

Description	Part Number
Remote Interface unit, No Radio	UVRI
Remote Interface unit, VHF Band Transceiver (136-174 MHz)	UVRIH
Remote Interface unit, UHF Band Transceiver (403-470 MHz)	UVRIU
Remote Interface unit, Landline Control	UVRI-LL
Remote Interface unit, Ethernet Control	UVRI-IP

OPTIONAL ACCESSORIES

Description	Part Number
Commander® Software System, *10, 25, 255, or 512 Site License	SFCD*
Wall mounted speaker strobe	ENWSSPA
Wall mounted strobe	ENWSTPA
Ceiling mounted strobe	ENCSTA

