Federal Signal has expanded our communications infrastructure options by adding cellular and/or satellite capabilities for both mechanical and electronic siren controllers. The integrated cellular modem and satellite terminal is an ideal option for activating and monitoring sirens when distance and/or geographical barriers are present. The cellular modem can be ordered based on your specific carrier, the satellite terminal is offered using the Isat Data Pro network based on its proven reliability and coverage. Cellular and Satellite upgrade kits are available for the UltraVoice Electronic and DC Siren Controllers. Cellular and Satellite service can be added independently or together to form a robust network architecture.

**CELLULAR** – The Federal Signal cellular modem provides uninterrupted real-time, two-way data exchange in support of mission critical applications. The cellular modem features a sleek, compact form factor, increasing its versatility and ability to be integrated within existing enclosures. With a rugged design, Class I Div 2 certification, the cellular modem is an ideal solution for a wide range of industrial and municipal applications. Federal Signal cellular modems are available for CDMA networks through North and South America and GSM networks throughout Europe.

**SATELLITE** – Using Inmarsat’s network of geosynchronous satellites, the Isat Data Pro network provides the ability to monitor and control remote Federal Signal mechanical and electronic sirens. The remote satellite terminal is a rugged external, small form factor design, which requires outdoor mounting. Federal Signal offers flexible billing plans with low monthly costs. The network availability is 99.995% and 24/7 Network Operations Center (NOC) provides continuous and reliable service, which is required with these types of mission critical services.

*Requires third party subscription service.

### Features

**Cellular Features**
- Persistent network connectivity for uninterrupted, bi-directional communications
- Advanced processor for optimized performance on 5G wireless networks
- Rugged design for use in extreme conditions
- Compact form factor for easy installation

**Satellite Key Features**
- Two-way communications enables messaging for monitoring and control operations
- Easy to install with no satellite dishes to point
- Low message latency allows for applications that require immediate communication to and from the asset. No long delays
- Rugged design for use in extreme conditions - NEMA 4x Fiberglass housing
- Compact form factor for easy installation
**SPECIFICATIONS**

**Cellular**
- **Size:** 3.0” x 1.1” x 3.9” (76 mm x 27 mm x 100 mm)
- **Weight:** Approx. 0.35 lbs. / 160 grams
- **Operating Temperature:** -22°F to 149°F / -30°C to 65°C
- **Quad-Band:** 850, 900, 1800, 1900Mhz
- **Dual-Band:** EV-DO Rev A. 800, 1900Mhz
- **Audio Output:** 0-2V peak to peak, maximum load 8 ohms
- **Approvals:** FCC, Industry Canada, RoHS, PTCRB, Class I Div 2, Carrier Specific
- **Warranty:** One year manufacturer’s warranty

**Satellite**
- **Size:** 6.3” x 1.9” (160 mm (Diameter) x 47 mm (Height))
- **Weight:** Approx. 1.1 lbs. / 500 grams
- **Operating Temperature:** -40°F to 185°F / -40°C to 85°C
- **Humidity:** 95% Relative Humidity @ +30°C non-condensing
- **Dust & Water Ingress:** IP67/NEMA-4X
- **Frequency:** Rx: 1525.0 to 1559.0Mhz; 32-FSK
  Tx: 1626.5 to 1660.5Mhz; 2-FSK
- **EIRP:** 9 dBW max
- **Elevation Angle:** 0° to 90°
- **Approvals:** Inmarsat D+IsatM2M Type, Approved, FCC, CE Mark (R&TTE), RoHS, Anate, IEC/EN 60945
- **Warranty:** Fifteen months from shipment manufacturer’s warranty

**HOW TO ORDER**

**Description**  | **Part Number**
--- | ---
Includes satellite terminal, cellular modem or DC, antenna, conversion kit to interface to UltraVoice, cables and mounting hardware | Q-UV-SATCELL3
Includes satellite terminal, conversion kit to interface to UltraVoice, cables and mounting hardware | Q-UV-ISAT2
Includes cellular modem or DC, antenna, conversion kit to interface to UltraVoice, Cables and mounting hardware | Q-UV-CELL3

*Upgrade kits can be used on both UV and DC Cabinets*

Contact Federal Signal Tech Support to ask about comparability with an existing system.