► Model Cellular and Satellite

Cellular and Satellite Communication

Federal Signal has expanded our communications infra-structure 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 through North and South America and 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.
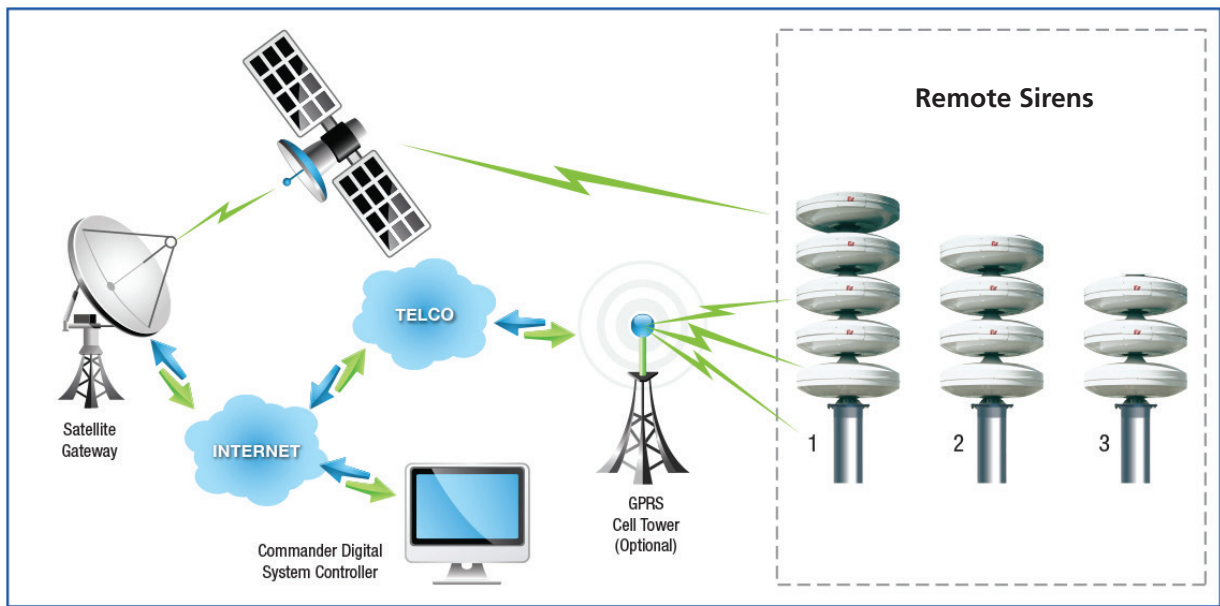
FEATURES

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

Cellular and Satellite Communication

Remote Sirens

Local Activation

Cellular

Size:	3.0" x 1.1" x 3.9"
	76 mm x 27 mm x100 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

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 a existing system.

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