



► 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 Mechanical Siren (DCFC) 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 modems are FirstNet Ready and can be used on all North American LTE, HSPA+ and CBRS networks.

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

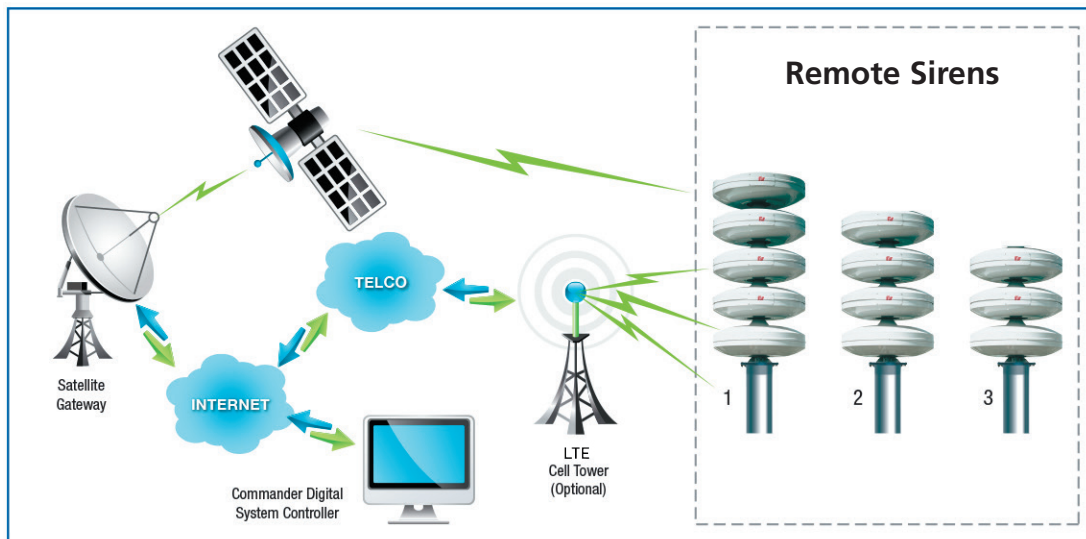
- Persistent network connectivity for uninterrupted, bi-directional communications
- Rugged design for use in extreme conditions
- Compact form factor for easy installation
- Two-way communications enables messaging for monitoring and control operations
- FirstNet Ready - priority data on AT&T FirstNet national network
- LTE, HSPA+, CBRS networks

Satellite 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



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Local Activation

SPECIFICATIONS

Cellular

Size:	4.69 in x 1.34 in x 3.35 in 119 mm x 33 mm x 85 mm
Weight:	320 g
Operating Temp:	-40°F to 158°F / -40°C to 70°C
Operating HazLoc Temp:	-22°F to 140°F / -30°C to 60°C Class 1 Div 2 - Ambient Temp
Certifications:	Safety: IECEE, UL 60950*** Environmental: RoHS, REACH, WEEE
Warranty:	One year manufacturer's warranty

LTE-A-Pro

LTE Category	Cat 12 (EM7511 EM7565)
Peak D/L	UP TO 600 Mbps
Peak U/L	Up to 150 Mbps

Satellite

Size:	5" x 5" x 2" (12.6 cm x 12.6 cm x 4.9 cm)
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
Elevation Angle	0° to 90°
Certifications:	Regulatory: CE, FCC, IC, Anatel, RCM Mark EC 60945, C1D2, SRRC, IFT, ICASA, FFA Pending: MSS Russia Others: Inmarsat Type Approval, IP67
Warranty:	Fifteen months from shipment manufacturer's warranty

HOW TO ORDER

Description

Includes satellite terminal, cellular modem, antenna, and interface for UltraVoice® controller includes cables and mounting hardware

Includes satellite terminal to interface UltraVoice controller, includes cables and mounting hardware

Includes cellular modem, antenna, to interface UltraVoice controller, includes cables and mounting hardware

Includes cables and connectors to read satellite signal data

Kits can be used on both UV and Mechanical Siren Cabinets

Part Number

Q-UV-SATCELL3

Q-UV-ISAT2

Q-UV-CELL3

Q-SAT-KIT

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

