



► Model Cellular and Satellite

Cellular and Satellite Communication

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, and 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 services 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

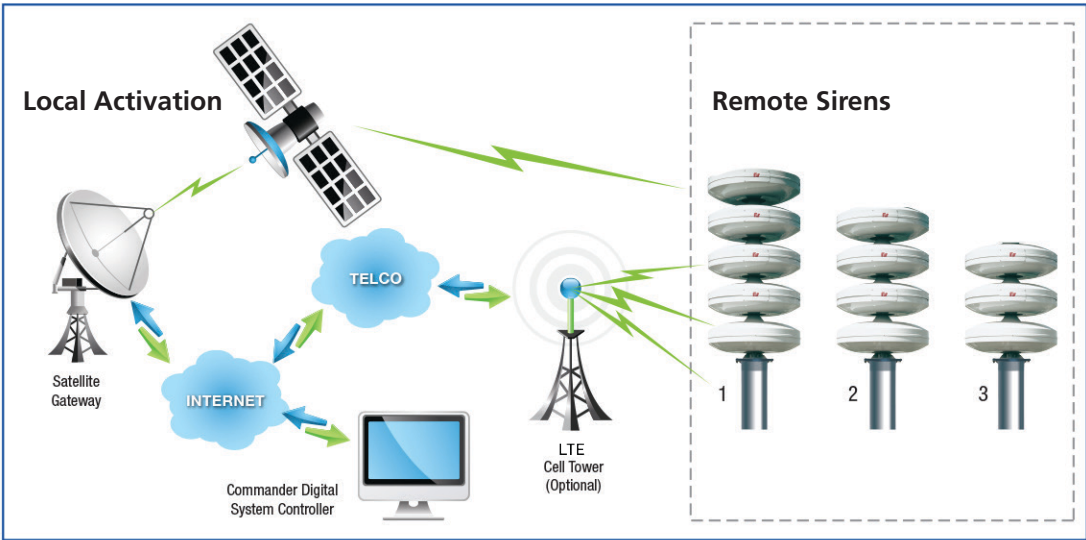
Cellular

- Persistent network connectivity for uninterrupted, bidirectional 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

- Two-way communication 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

Operating Temperature: -40° to 158°F (-40° to +70°C)
Operating HazLoc: -22° to 140°F (-30° to +60°C) Class 1
Temperature: Div 2 - Ambient Temperature
Certifications: Safety: IECEE, UL 60950***
Environmental: RoHS, REACH, WEEE
Warranty: One year manufacturer's warranty

Dimensions H x W x L:
4.7 x 1.3 x 3.4 in (119 x 33 x 85 mm)
Weight: 0.7 lb (320 g)

LTE-A-Pro

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

Satellite

Operating Temperature: -40° to 158°F (-40° to +70°C)
Humidity: 95% Relative Humidity at +30°C,
non-condensing
Dust & Water Ingress: IP67/NEMA 4X
Elevation Angle: Elevation Angle
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
manufacturer's warranty

Dimensions H x W x L:
5 x 5 x 2 in (12.6 x 12.6 x 4.9 cm)
Weight: Approx. 1.1 lb (500 g)

HOW TO ORDER

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

Description

Includes satellite terminal, cellular
modem, antenna, and interface to
UltraVoice® controller with cables and
mounting hardware

Part Number
Q-UV-SATCELL3

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

Q-UV-ISAT2

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

Q-UV-CELL3

Includes cables and connectors to read
satellite signal data

Q-SAT-KIT

Kits can be used on both UV and Mechanical Siren Cabinets.



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