

StatSignal Multi-Utility Residential Endpoint Data Sheet

General

The Cellnet+Hunt High-Powered Multi-Utility Residential endpoint is designed to accommodate American, Actaris/Schlumberger/Sprague and Invensys/Equimeter Gas meters for use in residential services. The High-Powered Multi-Utility Residential module receives rotational pulse data from the meter via 3rd party meter pulse kits and sends this information to a StatSignal electrical endpoint device utilizing RF transmission. The electrical endpoint forwards this information to Cellnet+Hunt's Data Collector and Command Center where the data is converted to CCF usage.

Figure 1 - 1.
*The Cellnet+Hunt
High-Powered
Multi-Utility
Residential
Endpoint Module.*



FCC Compliance Information

Model: FASY-0710-0003/0004
FCCID: TEB-HUNTSS710
IC: 5931A-HUNTSS710

Compliance Statement (Part 15.19)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



Changes or modifications not expressly approved by Cellnet+Hunt for compliance could void the user's authority to operate the equipment.

ETL Classified: Non-incendive Electrical Equipment for use in Class 1, Division 2, Hazardous (Classified) Locations:



Warning-Explosion Hazard - Substitution of Components may impair suitability for Class1, Division 2, Group D.

Avitir Quelqu'un-Exposion Hasard - Changement de Composants il se peut affaiblir qui est approprie por Categorie 1, Section 2, Regroupe D.

Endpoint Location

To comply with FCC's RF exposure limits for general population/uncontrolled exposure, the antenna(e) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

Endpoint Usage

The StatSignal Multi-Utility Residential endpoint will be used:

- For residential metering applications.
- At homes.

The HighPowered Multi-Utility Residential endpoint requires professional installation by qualified personnel.

RF Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the meter off, the user is encouraged to try and correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Consult Cellnet+Hunt or an experienced radio/TC technician for help.

Specifications

Table 1. StatSignal Multi-Utility Residential Endpoint Specifications

Category	Specification	Value or Range	
Compatible Meters	American Gas Meters	Invensys/Equimeter	Actaris/Schlumberger/Sprague
	Domestic meters, circular read and direct read indices. For sizes 175 and 250CFH Models.	Domestic meters, circular read R-275 index.	Domestic meters, direct read and circular read indices. For sizes 240, 250 and 400 CFH Models.

Electrical	Voltage	3.6 vdc Battery Powered	
	Power	Transmit	Sleep
		450mA +/- 15mA	<10uA
RF	Output Power	+23 dBm +/- 2dB	
	Adjacent Channel Power	+50dBc Nominal	
	Transmit Frequency	910 to 928 MHz ISM unlicensed (FCC Part 15)	
	Communication Protocol	StatSignal RF MESH Protocol	
	Receive Sensitivity	-108 dBm minimum (-110 dBm typical)	
Standards Compliance	FCC Title 47 CFR Part 15	Radiated and Conducted Emissions (incl. intentional radiators)	
	ANSI /IPC-A-610 Class 2	Workmanship for electronics assembly	
	ETL	Class 1 Div 2 Group D	
Environmental	General Environmental	Outdoor, rain-protected, sunlight-exposed	
	Operating Temperature Range	-40 to +85	
	Humidity	0 to 95% relative humidity, non-condensing	
Mechanical	Size	4 5/8"W x 4 5/8"L x 1 7/8"H inches, typical	
	Weight	4.2 ounces (119.2g), typical	

Contact Information:	Technical Support: 1-888-390-5733	Internet: www.cellnethunt.com	Fax 1-218-562-5530	E-mail: support@cellnethunt.com
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