Gridstream: M120 RF Residential Gas Module

Landis+Gyr
manage energy better

Two-way Residential Gas Metering for Network Continuity

Overview

The M120 RF Residential Gas Communications Module provides two-way AMI communications over Landis+Gyr's scalable, secure and interoperable Gridstream® RF Mesh network. The module is designed to record and communicate both total consumption and one channel of interval data. The data can be used to empower utilities to offer flexible rates and assist with capacity planning.

The M120 gas module simplifies deployment by automatically registering on the Gridstream network upon installation, eliminating the need for field installation tools. The M120 module mounts on most any residential gas meter built since the 1950's. In addition, the module is programmed to transmit data once a day.

The M120 gas module is designed to communicate with electric meters, routers or radios on distribution automation devices. This flexibility is key for utilities to maximize the benefits of Gridstream and manage multiple types of endpoints on a single network.

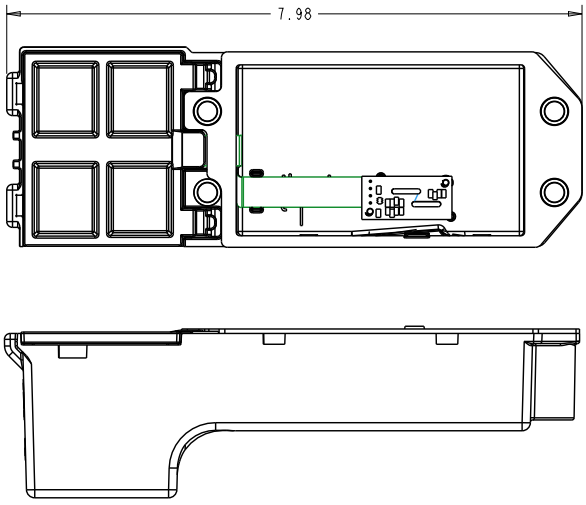
With a 20-year battery life, the M120 gas module ensures years of customer service.

FEATURES & BENEFITS:
Why Landis+Gyr makes a difference.

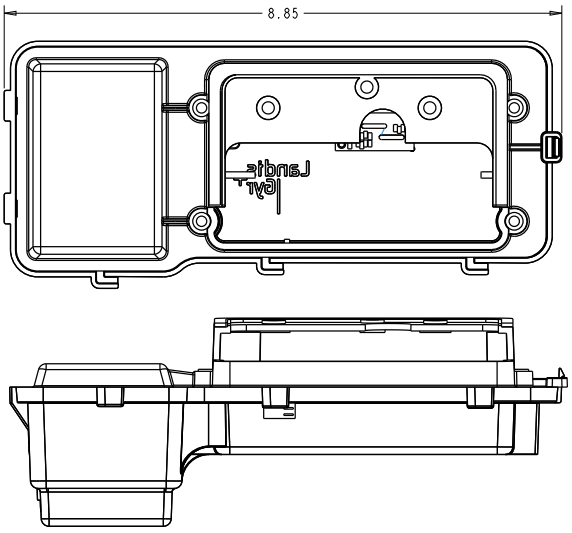
- Leverages full potential and scalability of Gridstream AMI network
- Fits most common residential gas meters and uses existing index
- No field programming, special field tools or costly infrastructure add-ons required
- Performs self-diagnostics
- Variety of event settings available to inform of module issues such as low battery
- Enhanced range (250 mW output)
- Plug-and-play activation keeps deployment on-schedule
- Interoperable for future advancements in gas measurement
- Produces one channel of load profile data which can be used for advanced rates, such as time of use

Specifications		
Power Supply	Two “A” lithium manganese dioxide batteries	
	20-year battery life	
Environmental Temperature Rating	-40ºC to +85ºC	
Environmental	Relative humidity 0% to 100%	
RF Standards	FCC Part 15.247	
	Frequency; 902 – 928 MHz unlicensed	
	Baud Rate: 9600 to 38400 BPS	
ANSI Standards	B109.1-2000 Compliance	
	B109.2-2000 Compliance	
UL	Class 1, Division 1, Group D	
Data Transmission	The data is transmitted once per day. Each transmission includes last 24 hours of 15-minute interval data and last consumption value.	
Events Included	Tamper detection	
	Tilt switch	
	Consumption rollover	
	Low battery	
	Stale register	
	Extreme temperature change	
	Cover off	
Universal Retrofit	**Model**	**Meter Manufacturer**
	M120-1	Elster (American)
	M120-2	Itron (Actaris/Schlumberger/Sprague)
	M120-3	Sensus (Invensys/Equimeter/Rockwell)
	M120-4	National
Interval Data	45 days of one-channel,15 minute LP data	

American



Sprague



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