



## Gridstream: M220 RF Commercial & Industrial Gas Module

Landis+Gyr+  
manage energy better

### *Two-way C&I Gas Metering for Utility Efficiency*

#### Overview

The M220 RF C&I 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 two channels of interval data (configurable for 15 and 60 minutes). Interval data can be used to empower utilities to offer flexible rates and assist with capacity planning.

The M220 gas module simplifies deployment by automatically registering on the Gridstream network upon installation, eliminating the need for field installation tools. The M220 module also utilizes "Plug and Play" technology allowing accurate count from time of installation, until the pulse input configuration parameters are received over the network. In addition, the module is programmed to transmit data once a day.

The M220 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 M220 gas module ensures years of customer service.

#### FEATURES & BENEFITS:

*Why Landis+Gyr makes a difference.*

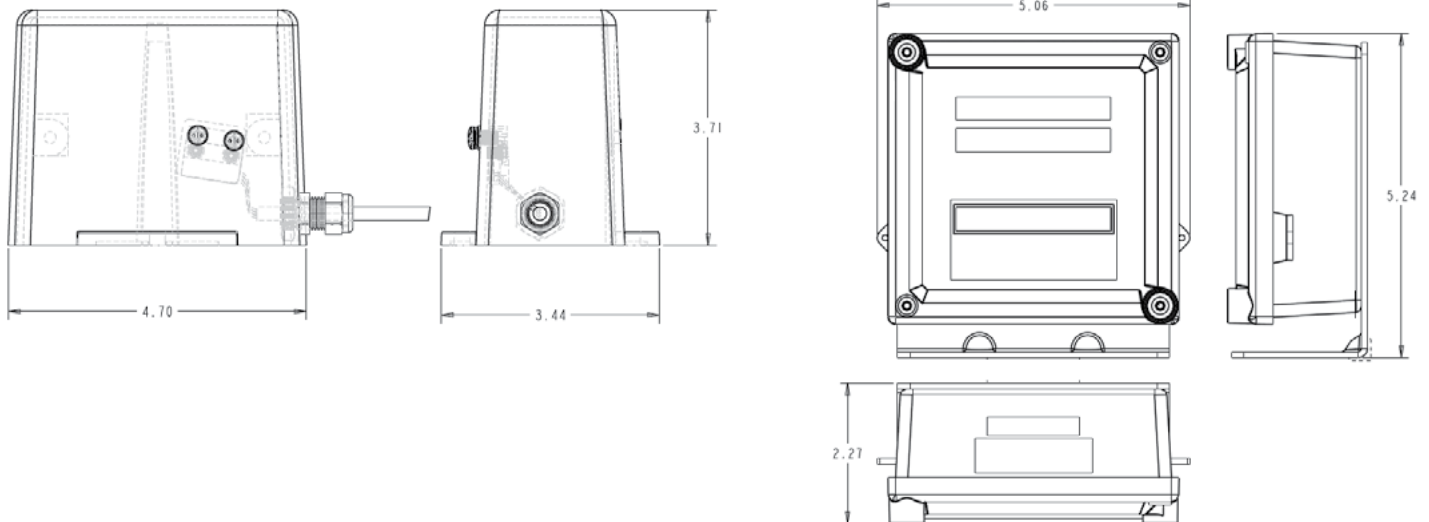
- Leverages full potential and scalability of Gridstream AMI network
- Fits most common C&I gas meters and uses current indexes
- No field programming, special field tools or costly infrastructure add-ons required
- Performs self-diagnostics
- Variety of event settings available to inform of module issues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

## Product Specifications: Gridstream M220 RF C&I Gas Module

### Specifications

Power Supply	Four "A" lithium manganese dioxide batteries 20-year battery life
Environmental Temperature Rating	-40°C to +85°C
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 Sensor failure Low battery Stale register Extreme temperature change Cover off
Universal Retrofit	<b>Model</b> <b>Meter Manufacturer</b>
	M220-1                      Elster (American)
	M220-2                      Itron (Actaris/Schlumberger/Sprague)
	M220-3                      Sensus (Invensys/Equimeter/Rockwell)
Interval Data	45 days of two-channel, 15 and 60 minute LP data

### American M220-1



Phone: 678.258.1500

FAX: 678.258.1550

landisgyr.com

6.27.14

Landis  
Gyr+  
manage energy better