



Gridstream PLX Commercial Endpoints



Advanced Data Access and Control for Commercial-Industrial Metering

Overview

Gridstream® PLX is a ground-breaking power line carrier-based solution for advanced metering and smart grid applications. PLX commercial metering endpoints deliver unprecedented access to interval and load profile data across the network. And because PLX endpoints are installed as plug 'n play devices, the endpoint delivers billable reads to the Gridstream head-end system, Command Center, within hours of installation.

PLX is designed to provide 15-minute interval reads for load profiling. Utilities can choose two load profile values, then group meters to deliver active or reactive energy or voltage by phase. The 15-minute intervals are not batched, but arrive every 15 minutes in Command Center for immediate use for managing very high-value customers.

In addition to continuous interval data, Gridstream PLX simultaneously pushes full register meter reads for accurate, timely

billing information of both active and reactive energy and peak demand including coincident demand and power factor. PLX easily employs different rates for any class of customer and bills on either a pre-defined schedule or on a last-minute override during critical peaks.

PLX commercial endpoints give the utility access and control needed to manage commercial accounts. With PLX, all endpoints deliver energy and demand reads captured at midnight and at the demand reset to deliver data ready for billing the same day with the best data availability percentages in the industry. The endpoints alert the utility to phase outages, low battery and other meter, module or interface errors within minutes so the situation can be quickly addressed.

Gridstream PLX offers the capacity to deliver the multitude of values offered by Landis+Gyr's high-end S4 meters, including time-of-use rates.

FEATURES & BENEFITS:

Why Landis+Gyr makes a difference.

- Two, 15-minute intervals of active or reactive energy reads continuously
- 60 days of storage of interval data at the endpoint
- Daily minimum, maximum and average voltage reads with time of occurrence by phase
- Remote control of four time-of-use rates within multiple schedules and holiday rates
- Automatic notification of meter errors within minutes of occurrence
- Remote reflashing capability to avoid obsolescence of module firmware

Product Specifications: Gridstream PLX Commercial Endpoints



Specifications

Part Number	26-7300
Operating Temperature	-40° to +85°C (under Meter Cover)
Operating Voltage	85–305 VAC
Setup Method	Laptop, handheld PC or remote

Compatibility

Voltage	Meter Form								
	1S	2S	3S	4S	8/9S	12S	15/16S	6/36S	5/45S
120 (2-wire)	•								
120 (3-wire)			•			•			•
120 (3-wire Delta)						•			•
120 (3-wire Network)						•			•
120 (4-wire Delta)					•		•		•
120 (4-wire Wye)					•		•	•	
240 (3-wire)		•	•	•		•			•
240 (3-wire Delta)						•			•
277 (3-wire)						•			
240/277 (4-wire Delta)					•		•		•
240/277 (4-wire Wye)					•		•	•	•

Standards Compliance

ANSI C12.1-2008	Code for Electricity Metering
ANSI/IPC-A-610	Acceptability of Electronic Assemblies
FCC CFR Title 47 (Part 15, subpart B) ICES-006 (Issue 2, 2009)	Radiated and Conducted Emissions
IEC 61000-4-2	Electrostatic Discharge Immunity
IEC 61000-4-3	Radiated RF Electromagnetic Field Immunity
IEC 61000-4-4	Electrical Fast Transient/Burst Immunity
IEC 61000-4-5, IEEE C62.41.2-2002, Category B	Surge Immunity (Combination Wave)
IEC 61000-4-8	Power Frequency Magnetic Field Immunity
IEC 61000-4-9	Pulse Magnetic Field Immunity
IEC 61000-4-11	Voltage Dips and Interrupts Immunity
IEC 61000-4-12, IEEE C62.41.2-2002, Category B	Surge Immunity (100 kHz Ring Wave)
IEC 61000-4-18, IEEE C37.90.1-2002	Surge Immunity (1 MHz Oscillatory)
IEC 60068-2-6: 1987	Mechanical Vibration
IEC 60068-2-27: 1987	Mechanical Shock
10 kV Surge Immunity (Combination Wave)	
Accelerated Life Test	85°C with 85% Relative Humidity for 1100 hours

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**Landis
Gyr+**
manage energy better