

TS2

Full two-way communication for TS2 PLC networks

TS2 residential endpoints are an integral part of Landis+Gyr's Gridstream PLC advanced metering solution. These endpoints provide full two-way communication between the meter and the utility using existing power line infrastructure. TS2 endpoints support multiple meter forms for residential and light commercial applications. The communications module seamlessly integrates into multiple meter platforms to deliver fully customizable, time-stamped data (directly from the meter register in some meters). Depending on meter platform, available data includes kWh, demand statistics, voltage, outage count, blink reports and time-of-use. The TS2 residential endpoint provides the advanced functionality required in the smart grid of the future.

Key Benefits

- Support for user-configurable data transmission options
- Momentary and sustained outage count
- Offers demand and time-of-demand
- TOU calculated in endpoint
- No Loss of data during power outages
- Optical serial data port allows for easy field programming
- Remote programming from utility office
- Plug-and-work technology
- Available in multiple meter platforms, including electromechanical



Specifications (See Compatibility Chart below for Product Part Number)

Operating Temperature	-40° to +75°C, (ambient temperature)
Operating Voltage	240 VAC ±20%
Power Consumption	1 watt, 45 VA typical
Setup Method	Laptop, handheld or remote

Compatibility

CENTRON		
Form	Voltage	Part#
1S	CL100, 120V	FASY-0539-0003
2S	CL100, 240V	FASY-0539-0004
2S	CL320, 240V	FASY-0539-0004
3S	CL20, 120V	FASY-0539-0003
3S	CL20, 240V	FASY-0539-0004
4S	CL20, 240V	FASY-0539-0004
12S	CL200, 120V	FASY-0539-0003
25S	CL200, 120V	FASY-0539-0003

FOCUS AL		
Form	Voltage	Part#
1S	120V	FASY-0624-0001
2S	240V	FASY-0624-0002
2SE	240V	FASY-0624-0002
3S	120V, 240V	FASY-0624-0001/2
4S	240V	FASY-0624-0002
12S	120V	FASY-0624-0001
25S	120V, 240V	FASY-0624-0001/2

Electromechanical

	Meter Brand			
	ABB	General Electric	Siemens/Landis+Gyr	Schlumberger
Meter Type	D5S, AB1	I-70-S	MS, MX	J5S
TS2 Transmitter Part #	0580-AAD-2	0580-AAD-2	0580-AAD-2	0333-AAF-2

Standards Compliance

Standard	Description
ANSI/IPC-A-610	Acceptability of Electronic Assemblies
FCC CFR Title 47 (Part 15, subpart B)	Radiated and Conducted Emissions
IEC 61000-4-2, IEEE C62.38-1994	Electrostatic Discharge
IEC 61000-4-3	Radiated and EMF Field Immunity
IEC 61000-4-4	Electrical Fast Transient
IEC 61000-4-5	Surge (combination wave)
IEC 61000-4-8	Power Frequency Magnetic Field
IEC 61000-4-9	Pulsed Magnetic Field
IEC 61000-4-11	Voltage Dips and Interrupts
IEC 61000-4-12	Surge (100 kHz Ring Wave)
ANSI C12.7-1987	Code for Electricity Metering
ANSI C12.1-1995	American National Standard Requirements for Watt-hour Meter Sockets

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