



L530 RF Load Control Switch



A Flexible Direct Load Control Solution for Managing Peak Demand

Overview

The Landis+Gyr L530 RF Load Control Switch provides a flexible direct load control solution for managing peak demand. The switch is equipped with two relays that can be configured to control various residential and commercial loads – from HVAC appliances to water heating.

The switch features built-in metrology that complies with ANSI C12.1 requirements to ensure accurate data. There are also advanced load management features, such as a cold load pickup that prevents large current draw after recovering from an extended power outage.

An integrated Gridstream® RF radio provides robust, two-way communications utilizing the AMI network to ensure operations are carried out and confirmed on schedule. As part of the mesh network, the switch can route messages through meters and routers or directly to a data collector.

The L530 RF Load Control Switch gives utilities a robust and cost-effective option to implement demand response and realize a greater return on smart grid investments.

FEATURES & BENEFITS:

Why Landis+Gyr makes a difference.

- Two relay options for load management
 - 5 A rated at 240 VAC
 - 30 A rated at 240 VAC
- Near real-time data metrological data collection
- Gridstream radio network communications
- Cold load pickup
- Firmware over the air upgradable
- Wide range supply voltage 120-240 VAC
- Under frequency detection
- Status and error LEDs
- Under voltage detection

Product Specifications: L530 RF Load Control Switch

Specifications

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|-----------------------|---|
| Size | 7.0" x 9.5" x 3" |
| Power Measurement | Compliant with ANSI C12.1 accuracy requirements |
| Operating Voltage | 120-240 VAC |
| Measured Values | RMS Voltage |
| | RMS Current |
| | Apparent Power |
| | Reactive Power |
| | Accumulative Energy |
| Relays | 5 A resistive @ 240 VAC |
| | 30 A resistive @ 240 VAC, 1 HP @ 120 VAC, 2 HP @ 240 VAC |
| Cold Load Pickup | Configurable randomized delay for staggering residential loads back on |
| Frequency Measurement | Detection of under frequency based on preset limits |
| Voltage Measurement | Detection of under voltage based on preset limits |
| Human Interface | Externally visible diagnostic status LEDs |
| Operating Temperature | -40C to +65C (internal ambient of enclosure) VERIFY |
| Enclosure | NEMA4 compliant rain-tight enclosure with padlock seal for tamper detection |
| Communications | Landis+Gyr Gridstream Radio |
| General Radio Items | Frequency range 902-925 MHz |
| | RF Baud Rate 9.6-115.2 kbps |
| | RF Output Power – selectable max. 27.8 dBm/600 mW |

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