



# L532 Load Control Switch

## Advanced load control for managing peak demand

The L532 is a compact, wired load control switch that connects and operates reliably and securely over the Landis+Gyr Gridstream® Connect RF Mesh or Mesh IP networks to provide a flexible direct load control solution for managing peak demand. This device allows utilities to manage multiple large residential electrical loads, such as HVAC appliances and water heaters, to flatten system peak loading and minimize demand charges. This advanced load control switch enables two-way direct load control (DLC) and demand response (DR).

The high-power relay can be used with typical wired 120 VAC, 208 VAC and 240 VAC loads up to 30 A or 1.5 HP. Compatible loads include pool pumps, electric water heaters, electric vehicle charging stations, baseboard heaters, and HVAC compressors.

### Features

- Operates with the Landis+Gyr Advanced Load Management (ALM) platform
- Independent relay control (two relays)
- Configurable cold load pick-up to prevent large current draw upon restoration

The low-power relay can be used with control circuits up to 3 A and 120 VAC for HVAC and similar applications. The L532 switch uses an integrated Gridstream RF Series 5 radio module to provide robust, two-way communications utilizing the AMI network to monitor controllable load and ensure operations are carried out and confirmed on schedule. Since these are nodes on the mesh network, the switch can route messages through meters and routers or directly to a data collector. The L532 load control switch gives utilities a robust and cost-effective option to implement demand response and realize a greater return on smart grid investments.

- Load control with standard and OptiCycle™ adaptive cycling
- Power measurement to monitor controllable load every 5 minutes

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## Product Specifications

Dimensions	6.42" H x 5.84" W x 3.22" D (163 mm x 137 mm x 81.8 mm)
Weight	3.0 lbs (1.36 kg)
Installation Temperature	-4°F to 122°F (-20°C to 50°C)
Operation Temperature	-40°F to 158°F (-40°C to 70°C), measured at the case
Supply Input	240 VAC, 2.8 W average, 12 W maximum
Relay Output	<ul style="list-style-type: none"><li>• High-power<ul style="list-style-type: none"><li>– 30 A; resistive at 240 VAC or 1.5 HP at 250 VAC</li></ul></li><li>• Low-power<ul style="list-style-type: none"><li>– 3 A; resistive/general use at maximum 120 VAC</li></ul></li></ul>
Frequency	902 to 928 MHz
Transmitter Power	28 dBm
Receiver Sensitivity	-100 dBm
Relay Specifications	<ul style="list-style-type: none"><li>• LP Relay<ul style="list-style-type: none"><li>– 3 A @ 120 VAC</li></ul></li><li>• HP Relay<ul style="list-style-type: none"><li>– 30 A or 1.5 HP @ 240 VAC</li></ul></li></ul>

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