

# L532/L534 Load Control Switches



L534 Load Control Switch

## An Advanced Load Control Solution for Managing Peak Demand

The L532 and L534 are compact, wired load control switches that connect and operate reliably and securely over the Landis+Gyr Gridstream RF Mesh or Mesh IP networks to provide a flexible direct load control solution for managing peak demand. These devices allow utilities to manage multiple large residential electrical loads, such as HVAC appliances and water heaters, to flatten system peak loading and minimize demand charges. These advanced load control switches enable two-way direct load control (DLC) and demand response (DR).

The high-power relay(s) 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.

The low-voltage circuits can be used with control circuits up to 3 A and 120 VAC for HVAC and similar applications. The L532/L534 switches use integrated Gridstream RF Series 5 radio modules 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 switches can route messages through meters and routers or directly to a data collector.

The L532/L534 load control switches give utilities a robust and cost-effective option to implement demand response and realize a greater return on smart grid investments.

### FEATURES OF THE L532/L534:

- Operate with the Landis+Gyr Advanced Load Management (ALM) platform
- Independent relay control (two relays for L532 and four relays for L534)
- Configurable cold load pick-up to prevent large current draw upon restoration
- Load control with standard and OptiCycle™ adaptive cycling
- Power measurement to monitor controllable load every 5 minutes



CONTROL  
MULTIPLE  
LOADS



ANALYZE  
DR EVENTS



ADAPT AND  
CONFIGURE



EMPOWER  
CONSUMERS

# L532/L534 LOAD CONTROL SWITCHES

## PRODUCT SPECIFICATIONS

<b>Dimensions</b>	6.42" H x 5.84" W x 3.22" D (163 mm x 137 mm x 81.8 mm)	
<b>Weight</b>	3.0 lbs (1.36 kg)	
<b>Installation temperature</b>	-4°F to 122°F (-20°C to 50°C)	
<b>Operation temperature</b>	-40°F to 158°F (-40°C to 70°C), measured at the case  If the total continuous current through both high-power relays will exceed 40 A, the maximum ambient temperature specification is reduced to 60°C (or 65°C if a 10 mm air gap is provided between the load control switch and the surface to which it is mounted).	
<b>Supply input</b>	240 VAC, 2.8 W average, 12 W maximum	
<b>Relay output</b>	High-power: 30 A; resistive at 240 VAC or 1.5 HP at 250 VAC Low-power: 3 A; resistive/general use at maximum 120 VAC	
<b>Frequency</b>	902 to 928 MHz	
<b>Transmitter Power</b>	28 dBm	
<b>Receiver sensitivity</b>	-100 dBm	
<b>Relay specifications</b>	<b>L532</b>	<b>L534</b>
<b>LP Relay 1</b>	-100 dBm	3 A @ 120 VAC
<b>LP Relay 2</b>	-	3 A @ 120 VAC
<b>HP Relay 1</b>	30 A or 1.5 HP @ 240 VAC	30 A or 1.5 HP @ 240 VAC
<b>HP Relay 2</b>	-	30 A or 1.5 HP @ 240 VAC

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For more information and nationwide warranty terms, visit us at [LandisGyr.com](http://LandisGyr.com) or call at 888-390-5733.



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