

Finally, a WiFi thermostat that doesn't require system power or power stealing!

7-day programmable  
 Programmable • Non-Programmable

## Product Highlights

- ✓ Free iOS & Android App with Geo-fencing feature
- ✓ Universal system compatibility
- ✓ 3 power options: 2-AA batteries, c-wire OR micro USB
- ✓ Horizontal or vertical mounting
- ✓ 3 year warranty
- ✓ Find available rebates on [www.Lux-Geo.com](http://www.Lux-Geo.com)



## Product Features

- Easy installation
- Large, always visible 2 3/4" display
- Easy-view black LED back light
- AM/PM clock or military time option
- Program 7- day on unit or via App
- User option: 2 or 4 periods per day
- Temporary override and manual hold
- Display option: fahrenheit or celsius temperature
- Adjustable 2nd stage heat & cool offset
- Adjustable temperature differential/swing
- Black wall plate included
- Operates on 24VAC, 2-AA lithium batteries OR available micro-USB for 5VDC
- Automatic changeover feature
- System run-time monitor
- Low battery detection
- Air filter monitor
- Dual mount: vertical or horizontal
- Also available in white finish

### App Features

- Easy, online programming
- Configurable thermostat lock out to prevent unauthorized modifications to settings
- Automatic adjustment of start times influenced by local conditions
- Geo-fencing: user set radius with smartphones
- High & low temp alerts
- Provides recommended settings for maximum savings
- Energy use and run-time monitor

## Installation

### Compatible With

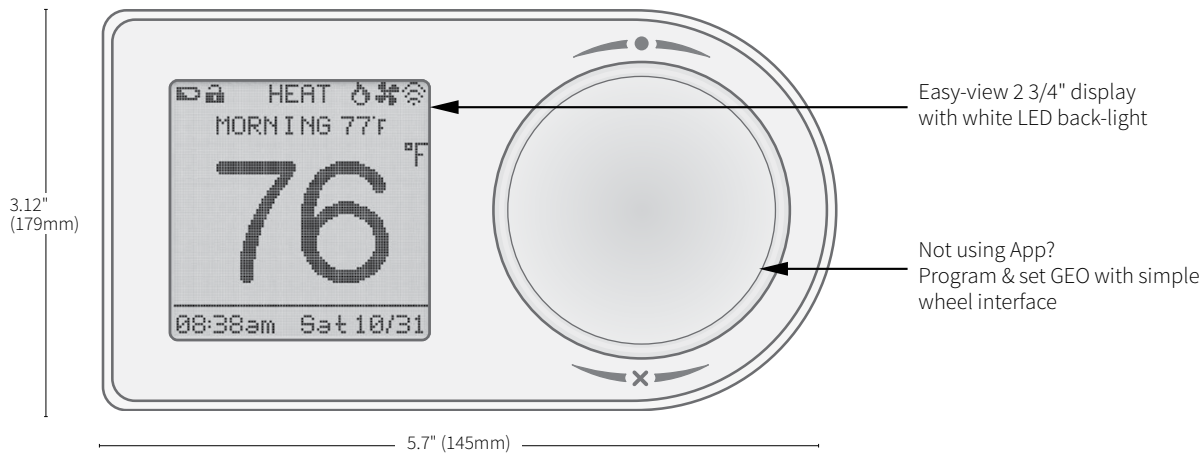
- Universal compatibility for conventional heat & A/C up to 2-stage heat/2-stage cool
- Universal compatibility for heat pumps with up to 2-stage heat/1-stage cool (including AUX/EMERG heat)
- 2 & 3-wire heat only hydronic systems (hot water baseboard & radiator)
- Gas Millivolt heaters

### Not Compatible With

- 120V/240V line voltage systems
- Heat pumps with (Y2) two compressor stages

# SPECIFICATIONS

MODEL# **GEO-BL**



Dimensions	5.7" (145mm) wide x 3.12" (179mm) tall x 1.32" (33mm) deep Wall Plate: 6.75" (172mm) wide x 4.75" (121mm) tall x 0.157" (4mm) deep
Heat/Cool Terminals	RH, RC, B, W1, O, Y1, G, W2, C, Y2
Electrical Ratings	1.5 Amps per terminal @ 24Volts
Temperature Control Range	<ul style="list-style-type: none"> <li>Temp control 45°F to 90°F (7°C to 32°C)</li> <li>Display range: 32°F to 99°F (0°C to 37°C)</li> <li>Temperature Differential: adjustable from ±0.25°F to ±2.25°F</li> </ul> <i>Accuracy ±1°F over a range of 45°F to 90°F.</i>
Environmental Limits	<ul style="list-style-type: none"> <li>Moisture and Dust: meets IP20</li> <li>Operating Humidity: 20% to 90% (non-condensing)</li> <li>Operating temperature: +14°F to 122°F (+10°C to 50°C)</li> <li>Storage temperature: +40°F to +140°F (-20°C to +60°C)</li> </ul>
WiFi Specifications	<ul style="list-style-type: none"> <li>2.4GHz: 802.11 b/g/n</li> <li>SHA256RSA data encryption</li> <li>Network commissioning through iOS/Android app or WPS</li> <li>Program and system settings stored on the device for set up and function – with or without WiFi</li> </ul>
Compatible With	<ul style="list-style-type: none"> <li>Universal compatibility for conventional heat &amp; A/C up to 2-stage heat/2-stage cool</li> <li>Universal compatibility for heat pumps with up to 2-stage heat/1-stage cool (including AUX/EMERG heat)</li> <li>2 &amp; 3-wire heat only hydronic systems (hot water baseboard &amp; radiator)</li> <li>Gas Millivolt heaters</li> </ul>
Not Compatible With	<ul style="list-style-type: none"> <li>120V/240V line voltage systems</li> </ul>
Packaging	<ul style="list-style-type: none"> <li>Master Carton: 3 Units</li> <li>UPC: 0 21079 15002 1</li> </ul>

Project Name \_\_\_\_\_

Date \_\_\_\_\_

Contractor / Engineer \_\_\_\_\_

Location \_\_\_\_\_

