Technical Article

GreenMAX™ Handheld Display Unit (HDU)

Product: GreenMAX™ Handheld Display Unit (HDU) **Article ID:** 091211-JS/TB-01

Date: October 17, 2011

Summary: This article is meant to educate on the programming power of the GreenMAX Handheld Display Unit (HDU) technology. The GreenMAX HDU provides flexibility and ease of use that is unmatched within the industry.

Information:

Limitless Portability

The Leviton GreenMAX system is programmed using the Handheld Display Unit (HDU), a lightweight and easily portable device that interfaces with the GreenMAX Relay Cabinets, Remote Low Voltage Panels or Digital Switches. The HDU can be disconnected from the cabinet or docking station and used throughout a building to assign relays, switches, occupancy sensors, photocells, and manage schedules. Since each room can be assigned, programmed and troubleshot using the portable HDU, there is no need for travelling back and forth from various rooms to the electrical room. The old method of programming relays required all programming to be done in the electrical room. The HDU allows programming to be done in the room where the loads are being controlled with immediate visual confirmation, which transforms the entire premises into a programming location. With nine hours of battery life, even complicated programming configurations can be made in one walkthrough trip.

When programming is complete, the data entered is stored within the GreenMAX Relay Cabinet—no need to keep the HDU connected. All information is communicated to other cabinets within the system via LumaCAN or Ethernet, and can be later modified from the HDU, with all changes instantly communicated to all other components of the system. In case of loss or damage to the HDU, no data is lost. It remains saved within the GreenMAX cabinet memory. A replacement HDU can be seamlessly introduced to the system.

User-Friendly and Power-Packed

The HDU unit is lightweight and portable, and utilizes a Windows-based interface for easy, intuitive navigation. The full-color screen provides a clear visualization of menus and selections, and moving through and selecting is as simple as a press of the navigation buttons and “OK” to select.

When programming a room into the GreenMAX system, the HDU allows you to view all available controls—relays, switches, occupancy sensors and photocells. When a particular control is selected and assigned, it is removed from the list as an available selection, making the HDU assignment process self-checking the status of each control is displayed on-screen, making confirmations and troubleshooting effortless.

Despite its simplicity of use, the HDU packs a punch of programming power. GreenMAX’s pre-programmed lighting behaviors can easily be selected from the device (see “Programming GreenMAX with Lighting Behaviors” for each scenario’s details). Lighting Behaviors are common lighting settings that can be set by selecting the behavior number on the screen, allowing one-touch simplified programming. Unique behaviors are programmable using the HDU’s astronomical clock and calendar. However customized or simple you desire your lighting system to be, it is easy to set up and manage via the GreenMAX HDU.

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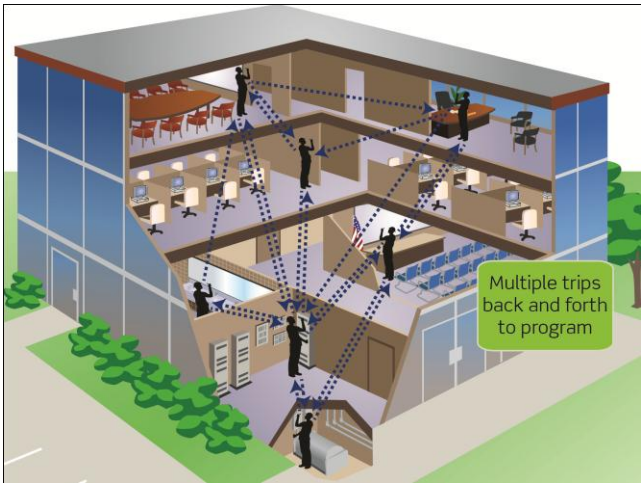
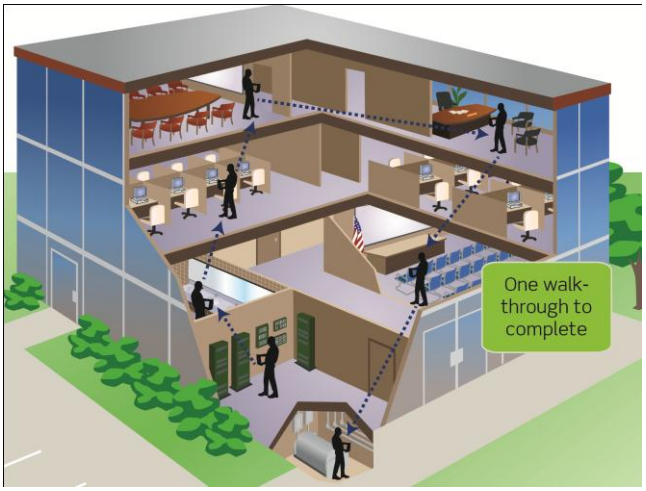
Old Method—Relay System Programming



- **Step 1**: Walk to room to program load
- **Step 2**: Walk back to electrical room to view controls and confirm performing as expected; if not, repeat Step 1 until desired results are achieved
- **Step 3**: Once correct performance is confirmed, move to next room to program loads
- **Step 4**: Return to previous rooms if problems are encountered to troubleshoot any errors as programming continues

New Method—GreenMAX HDU



- **Step 1**: Walk to room to program load and confirm performing as expected in the room being programmed
- **Step 2**: Repeat Step 1 in next room to program loads

Contact: If you have any questions, please call LES technical support at (800) 959-6004.

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