

Light Logger™

Use with Dollars & Sensors for Accurate Energy Savings Calculations and Payback Analyses

HOW THE LEVITON LIGHT LOGGER WORKS

The Leviton Light Logger is a battery-powered device that monitors an area and logs the lighting and occupancy of a space or a room. Whenever the status of the lighting or occupancy changes, a new log entry is entered in to its non volatile memory. The device can monitor up to eight rooms each of which can have an independent data log. The collected data is downloaded over USB cable to a windows based PC for display, analysis and reporting.

The Logger observes the lighting level and automatically adjusts to ambient light levels. Only sudden changes in lighting, such as those caused by unnatural light (i.e. turning ON a light fixture), would result in a light sensor response. The Logger decides that an area is vacant if it detects no motion for a period of approximately 10 minutes. Although the logger detects each change in either lighting or occupancy, it will store only one log entry for any particular minute to conserve memory. The entry stored represents the last state seen during that minute.

The Logger memory can hold up to 30,000 log entries. Each log entry details the date, time and status. All of this information is kept in the Logger's memory until the user retrieves it using a PC.

FEATURES AND BENEFITS

- Works with *Dollars & Sensors* to provide accurate energy savings calculations and payback analyses
- Quick and easy mounting, set-up and data collection for easy and fast installation
- USB connectivity for easy data download
- Excel compatible for easy data manipulation
- 3 week data collection capacity on a single set of AAA alkaline batteries for low maintenance
- Increased data logging capacity - 30,000 log entries
- Non-volatile memory retains stored information even without power
- Firmware upgradable - keeps the Logger up to date with the latest software revision
- Integrated Photocell for measuring light in a room
- Passive Infrared (PIR) sensing technology for dependability



FRONT

BACK

The Leviton Light Logger works with the Leviton *Dollars & Sensors* software program for easy energy savings calculations and payback analyses. Simply follow these four simple steps to use the Light Logger like a pro.

Step 1 - Install the Dollar & Sensors support software

Install the most advanced and powerful occupancy sensor software available. Download the *Dollars & Sensors* software at www.leviton.com/dollarsandsensors.

Step 2 - Configure the Light Logger for operation

See how simple an automated Logger setup can be.

Step 3 - Install the Logger and begin logging

Learn the ins and outs of using your Logger to get accurate results every time.

Step 4 - Retrieve the logged data and reset the Logger

Retrieve the data and learn how simple it is to apply to a *Dollar & Sensors* payback analysis.

INSTALL THE LOGGER AND COLLECT DATA

Correct placement of the Logger is essential for recording accurate lighting and occupancy loggings. The Logger is equipped with strong magnets on the back inset in the raised surface for adhering to ceiling support t-bar or any metallic surface, an additional metal mounting clip is provided for mounting to aluminum ceiling tile supports. Additional mounting methods may be used by the installer as long as care is taken to assure the sensor dome is clear of obstruction. Ceiling mounting at heights from 8-10 feet is recommended for best results.

The Logger uses a Passive Infrared (PIR) sensor with a 360 degree field-of-view (FOV) capable of monitoring and area up to 450 square feet. The sensor will detect Major Motion up to 12 feet from the sensor (24ft diameter) and Minor Motion up to 6.5 feet (13ft diameter). Be sure to place the Logger in a position where it can register occupancy when a person enters the test area, but avoid positioning it to detect hallway traffic. Since PIR monitors heat signatures, temperature changes can cause false triggers, be sure to mount the logger 6 feet from HVAC ventilation vents or as far as possible from HVAC.

The Logger photocell records rapid changes in ambient light level. For obtaining the most accurate readings, mounting the Logger close to a fixture is advisable, as this will be the best sensing location.

DOLLARS & SENSORS AND THE LIGHT LOGGER

Dollars & Sensors Software - shows how Leviton occupancy sensors will save energy and money: **Payback Analysis** demonstrates the impact occupancy sensors make. **Quick Sensor Selection** helps specify the correct sensor for your application. This software takes the guesswork out of how to select these devices for specific applications and accurately forecasts their potential savings. An added feature includes the updated Learning Lab on Energy Efficiency. One of the most advanced energy audit program available anywhere, *Dollars & Sensors* includes a sensor application guide, Light Logger software, electronic cross reference, specification support, cable connection and instruction manual. It is designed for professionals such as facility managers, engineers, electricians, contractors, installers, distribution sales people and energy service companies.

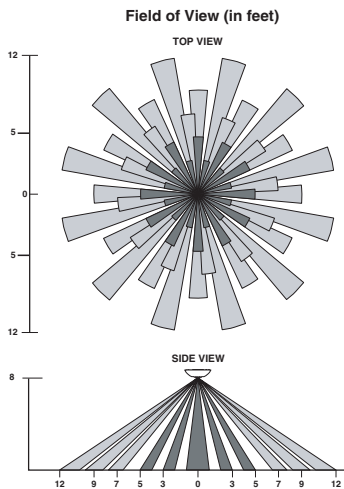
Light Logger - designed to precisely audit energy usage, this battery-powered device is magnetically mounted on a ceiling, door frame or wall in any room or facility for two weeks, enabling users to:

- 1-Forecast energy and cost savings by utilizing occupancy sensors. The Light Logger works in conjunction with the *Dollars & Sensors* software.
- 2-Validate energy savings after installation.

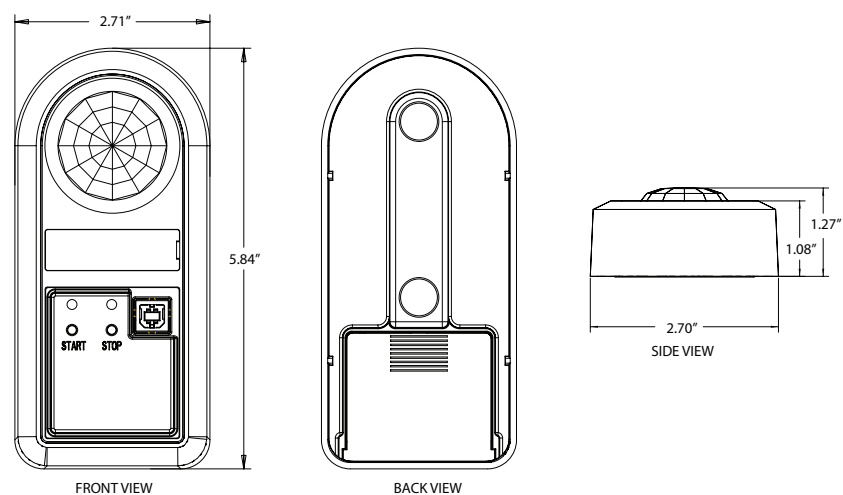
See the Instruction Manual for detailed instructions on how to operate the Leviton Light Logger.

Light Logger Report - provides a detailed analysis of the Light Logger's results, including energy and dollar saving projections. A wide selection of reports to choose from are available for printing.

FIELD-OF-VIEW



DIMENSIONS



ORDERING INFORMATION

CAT. NO.	DESCRIPTION
ESLOG-USB	Light Logger, Gray

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