

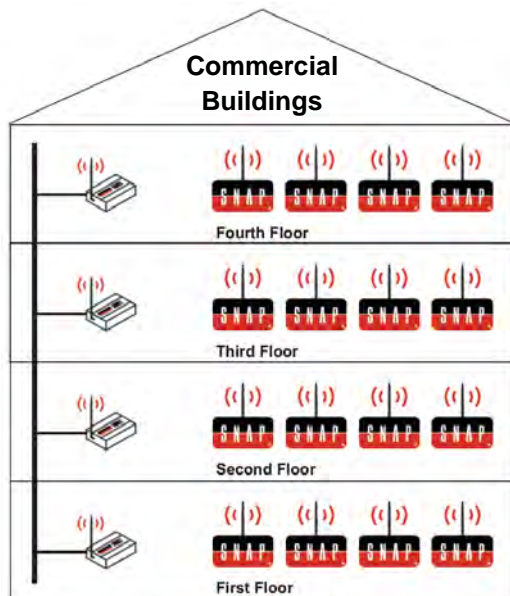


Wireless Technology to Control and Monitor Anything from Anywhere™

Synapse Intelligent Lighting System

Manage Lighting over the Internet for Commercial Buildings

Monitor and control a building's lighting system from anywhere at any time with Synapse's **SNAPlighting.com**, an Internet-enabled, wireless lighting service for secure indoor or outdoor applications. Each light can be controlled from a desktop PC or mobile device, or entire groups of lights can be managed through scene or group controls. Sensors can be invoked to adjust artificial lighting based on natural lighting conditions. And timed switching can yield energy savings by controlling lights based on a schedule – letting occupancy sensors manage the exceptions in individual areas.



Installation is easy, whether it's into an existing or new lighting system. Reliable and cost-effective, the system becomes instantly operational – no predetermined routing or complex network programming is needed. All data is secured by 128-bit encryption, whether sent over-the-air or via the Internet.

The service is based on Synapse's SNAP network operating system, an award-winning, IEEE 802.15.4 standard, auto-forming, multi-hop, mesh network software solution that is designed to run efficiently on a wide variety of microprocessors for interoperability. Updating the system can be done over-the-air, making it easy to expand or upgrade the system from a PC – a “no ladders needed” policy!

SNAPlighting.com

- Internet-enabled service for mobile or desktop
 - Remotely turn on/off individual or groups of lights
 - Dim lights or invoke specific scenes
 - Mix colored light intensities
- Easy to integrate into new or existing designs
- Automated ambient light adjustments
- Motion controlled or timed dimming
- Secure data via 128-bit encryption
- Data storage for analysis





Synapse Intelligent Lighting System

SNAPlighting.com is an Internet service that lets building owners map out their lighting plans for each room, floor, parking lot, etc., and assign fixture identification, groupings, and zones. Scenes and schedules can be created and modified, and navigation can be created for easy and familiar access to all lighting that needs remote monitoring and control.

Secure Access



Floor Plan



Remote Monitoring



Geographic Location





Lighting Management



In addition to providing off-the-shelf wireless control and monitoring functionality, Synapse can provide customized services, especially when special engineering requirements or regulations call for exceptional features.

Internet connectivity is provided by Synapse's SNAP Connect E10, a rugged, powerful, embedded connectivity appliance built to interface directly with SNAP lighting networks. The E10 monitors lights and collects fixture data, such as temperature, service hours, energy usage and switch status for centralized storage, database processing or application monitoring. The E10 bridges SNAP lighting networks across TCP/IP without requiring firewall configuration or policy exceptions and makes it easy to view or control lighting over the Internet.

Part Number Description

LP400-001		Intelligent lighting management platform to remotely control or monitor luminaries via the Internet; includes one-year subscription and LP410-001.
LP410-001		Intelligent lighting management companion to create a transparent gateway between any SNAP network and the Internet (requires LP400-001).