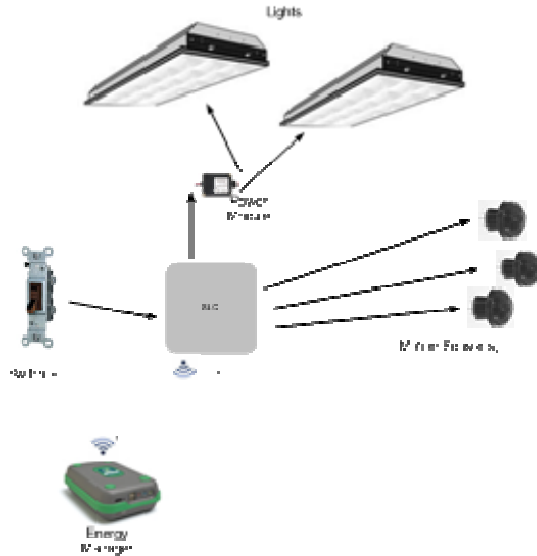## Overview

The Switched Light Controller (SLC) along with the Autani Energy Manager provides a complete, expandable Energy Efficiency System for the commercial building industry. The SLC system consists of the SLC, wall switch(s), Power Pack and motion sensor(s). A functional diagram is shown below.

One SLC can control one or two independent switch circuits, of any type: single, two way, three way or four way. Multiple motion sensors can be wire-OR together to enhance coverage, all from a single channel on the SLC. Different sensor profiles are available, from wide angle to narrow sensitive motion detection. The switch(s), motion sensor(s) and control signals to the Power Pack are all low voltage.

Autani Corporation
7125 Columbia Gateway Drive
Suite 200
Columbia, MD 21046

Phone: 443-320-2233
Web: www.autani.com
Email: info@autani.com

Switched Lighting Control Module

Specifications

Power:
SLC: 24VDC
Power Pack: 120/277VAC Input, 24VDC output, 20Amp switching load capability

Operating Temperature:
Nominal ambient temperature of 25 degrees Celsius

Wireless Communications:
2.4 GHz, 16 channel spread spectrum

Operating Temperature:
The rated loads are in accordance to an ambient temperature of 25 degrees Celsius

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference and, 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes of modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.
UC:7737A-SLC1000105
FCC ID:V8NSLC1000105

This device is not UL Listed.
Product code: 1000105

Technical Support

If you have questions about the installation or operation of this device, call Autani technical support at: 443-320-2233

Warning! There are no serviceable parts within the SLC and no attempt should be made to disassemble the device.

Warning! Improper connection of the device may result in permanent damage to the device. Follow installation instructions carefully.

Caution! Using this product in any manner other than outlined in this document is not supported and voids any warranty. Autani is not responsible for any damages or injuries incurred as a result of misuse or abuse of this product.

Device Installation

The branch circuit should be turned off before any installation is started. If this is an upgrade the existing wiring can be utilized as needed as long as all codes are followed. The SLC can be mounted on an interior wall or above the ceiling as long as it is accessible if needed. Wiring to and from the SLC is all low voltage. Follow the manufactures directions for installing the Power Pack. It is recommended that a licensed electrician install the Power Pack. The motion sensors are designed to be mounted on the typical one inch wide channel for drop ceilings. The RJ-11 connector on the motion sensor plugs into the female socket on the cable run from the SLC. See the wiring table below for connecting the SLC to the other components as required.

SLC identification:
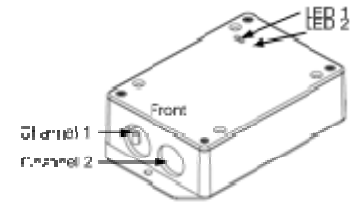
LED 1 - Blinks amber when either or both of the power packs are powered on.

LED 2 – Blinks green when the node is properly communicating with the network. In this mode, the LED may occasionally flash red. This is normal and is an indication of wireless network activity. These flashes of red will be brief and the predominant color will be flashing green.

If this LED is blinking red, the node is attempting to locate a wireless network to join.

Switch 1 – Causes the node to leave the network and begin to look for a commissioning node to join. In this case, LED2 begins to blink red. To activate this mode, the button should be depressed until LED2 begins to blink red. This may require the button to be held down for a few seconds.

Switch 2 - a short press of this switch will toggle the state of both output channels. LED1 will begin to blink amber when the output channels are powered on. This functionality is present even if this device is not yet part of a wireless network.

Once the SLC is installed and power restored to the branch circuit refer to the Autani E2/E4 System Users Guide for further instructions on utilizing the device via the wireless interface.

TABLE I: WIRING LIST

PORT	FROM	TO [7]	COLOR	ITEM	SIGNAL	UN JACKETED LENGTH	NOTE
1	JI-2	MOTION CHI PWR	BLACK	8		6"	
	JI-3	MOTION CHI SIG	RED				
	JI-4	MOTION CHI GND	GREEN				
	UNTERMINATED	WALL SWI (BLK)	BLACK	9		6"	3
	UNTERMINATED	WALL SWI (WHT)	WHITE				3
	UNTERMINATED	RELAYI SIGI	WHITE	11		2.5"	3
	UNTERMINATED	RELAYI PWRI	RED				3
	UNTERMINATED	RELAYI GNDI	BLACK				3
2	J2-2	MOTION CH2 PWR	BLACK	8		6"	
	J2-3	MOTION CH2 SIG	RED				
	J2-4	MOTION CH2 GND	GREEN				
	UNTERMINATED	WALL SW2 (BLK)	BLACK	9		6"	3
	UNTERMINATED	WALL SW2 (WHT)	WHITE				3
	UNTERMINATED	RELAY2 SIG2	WHITE	11		2.5"	3
	UNTERMINATED	RELAY2 PWR2	RED				3
	UNTERMINATED	RELAY2 GND2	BLACK				3