

GL-IPAC-SW8

Crestron Green Light® Integrated Switching System

- > 8 internal circuits for switched loads
- > Expandable to control up to 64 circuits of switched load
- > Supports 100 to 277 Volt applications
- > 16 Amp load rating per channel
- > Built-in astronomical time clock
- > Positive air gap at each output
- > Phase-independent channels
- > Local controls for setup, testing, and verification
- > Local and remote override capability
- > Non-volatile power failure memory
- > Easy access is facilitated from the hinged front cover
- > CEC Title 24 2013 Compliant

The GL-IPAC-SW8 switching panel provides internal controls for 8 circuits of switched load and is expandable to support up to 64 circuits of switched load by adding external panels and switching modules. It features local inputs for sensors and keypads, along with a LCD user interface where installers or users can set up the system without having to connect to a computer.

The GL-IPAC-SW8 is perfect for smaller-sized installations, such as retail stores, small office spaces, parking garages, and service stations, which typically require only on/off switching—eliminating the need for a larger, more expensive panel. In addition, the GL-IPAC-SW8 can be easily integrated with Crestron automation solutions, for centralized monitoring and remote control of multiple locations.

Out-of-the-Box Lighting Control

The GL-IPAC-SW8 comes preconfigured for use as the central control processor for a Crestron Green Light® Power Switching system. Right out of the box, the GL-IPAC-SW8 affords easy setup and programming for a complete switching system consisting of up to 64 switched loads, 16 local and two remote keypads, 24 occupancy and photo sensors, and 100 time clock events.

Keypads with as many as 12 buttons each can be programmed easily to control lighting loads and other functions. Lights can be programmed to turn on and off automatically using the built-in astronomical time clock feature. Lighting events may be programmed to occur at specific times or at an offset from sunrise or sunset. Occupancy sensors and photo sensors may also be implemented to enable automatic on/off lighting control based on room occupancy and ambient light levels.

Save Energy

Built-in support for occupancy and photo sensors helps to strike a perfect balance between daylight harvesting and comfort, reducing energy costs. Automatically turn off lights in unoccupied areas and maintain balanced bulb brightness with the natural light level in the room. Crestron® GLS sensors can be placed strategically in each space to maximize the benefits of energy management.



Easy Deployment

Packaged in one metal enclosure, the GL-IPAC-SW8 can be deployed in small spaces, including plenum ceilings. The surface-mount GL-IPAC-SW8 can be affixed to a wall or ceiling rafter, cleanly out of sight. Standard wire-entry knockouts are provided.

SPECIFICATIONS

Load Rating

Switched Channels: 8 internal; expandable up to 64 by adding external panels and modules

Per Channel: 16 Amps @ 120 to 277 Volts AC, 50/60 Hz

Switched Load Types: Fluorescent Ballast, Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage, Neon/Cold Cathode, High-Intensity Discharge, LED, Motor

Relay Lifetime: Resistive rating: 100,000 on/off operations, 50A @ 277 VAC; General rating: 50,000 on/off operations, 16A @ 120/277 VAC

Power Requirements

Main Power: 100-277 Volts AC, 50/60 Hz, via channel 1 (LINE 1, NEUT)

Available Cresnet Power: 15 Watts at 24 Volts DC

Connectors (Class 1)

NEUT: (2) terminal blocks, paralleled, line input neutral

LINE 1 - LINE 8: (16) terminal blocks; 2 connections per channel, paralleled, allows for easy daisy-chaining; line power inputs

SW1 - SW8: (8) terminal blocks, switch channels outputs

Connectors (Class 2)

CRESNET: (1) 4-pin 3.5mm terminal block; a maximum of 10 GLS-SIMs may be connected via the Cresnet® terminal block for occupancy sensors and a maximum of 10 GLS-SIMs for photo sensors; up to 20 occupancy

sensors may be supported (10 external Cresnet sensors and 10 external, non-system sensors connected to Cresnet via GLS-SIM); up to 20 photo sensors may be supported (10 external, non-system sensors wired directly to a Cresnet occupancy sensor and 10 external, non-system sensors wired to a GLS-SIM using Cresnet);

OVR: (1) 2-pin 3.5mm terminal block, comprising (2) inputs for external contact closures to trigger the preset Override state

CONTACT CLOSURES: (1) 9-pin 3.5mm terminal block comprising (8) contact closure inputs and (1) GND port

SENSOR INPUT 1-4: (1) 6-pin 3.5mm terminal block comprising (4) sensor inputs for internal, non-system occupancy sensors, (1) +24VDC, and (1) GND port (provides sensors with power)

SENSOR INPUT 5-8: (1) 6-pin 3.5mm terminal block comprising (4) sensor inputs for internal, non-system photo sensors, (1) +24VDC, and (1) GND port (provides sensors with power)

USB: (1) USB Type B console port, for communication with Crestron Toolbox™

LAN: (1) 8-wire RJ45 with 2 LED indicators; 10/100BaseT Ethernet port; Green LED indicates link status; Yellow LED indicates Ethernet activity

LED Display

Green LCD dot matrix, 128x64 resolution, adjustable LED backlight

Controls & Indicators

SELECTION BUTTONS: (2) push-button, adjust menu parameters

ENTER: (1) push-button, selects underlined item and stores settings

HOME: (1) push-button, returns to the home page

BACK: (1) push-button, returns to the previous page

CANCEL: (1) push-button, cancels current action without saving

HELP: (1) push-button, opens context-sensitive help screen

Soft Keys: (4) push-buttons for activation of LCD driven functions

PWR: (1) Green LED; solid illumination indicates line power is applied to NEUT and LINE1

HW-R: (1) Recessed miniature push-button for hardware reset (reboots the processor)

SW-R: (1) Recessed miniature push-button for software reset (restarts the program)

OVR: (1) Red LED and (1) miniature push-button for enabling override mode

ON/OFF: (8) Red LEDs and (8) miniature push-buttons for individual manual channel activation

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Dimensions

Height: 12.13 in (308 mm)

Width: 14.13 in (359 mm)

Depth: 4.06 in (104 mm)

Standards & Certifications

UL Listed Enclosure

CEC Title 24 2013 Compliant

MODELS & ACCESSORIES

Available Models

GL-IPAC-SW8: Crestron Green Light® Integrated Switching System

Available Accessories

CNX-B2B Series: Designer Keypads

C2N-CBD-E Series: Cameo® Express Keypads, Standard Mount

C2N-CBD-P Series: Cameo® Keypads, Standard Mount

C2N-CBF-P Series: Cameo® Keypads, Flush Mount

C2N-DB Series: Decorator Keypads

GLS-SIM: Crestron Green Light® Sensor Integration Module

GLS-LEXT: Crestron Green Light® Photocell, Outdoor

GLS-LOL: Crestron Green Light® Photocell, Open-Loop

GLS-ODT-C-CN: Dual-Technology Occupancy Sensor with Cresnet®, 2000 Sq. Ft.

GLS-OIR-C-CN: Passive Infrared Occupancy Sensor with Cresnet®

GLS-ODT-C-500: Crestron Green Light® Dual-Technology Ceiling Mount Occupancy Sensor, 500 Sq. Ft.

GLS-ODT-C-1000: Crestron Green Light® Dual-Technology Ceiling Mount Occupancy Sensor, 1000 Sq. Ft.

GLS-ODT-C-2000: Crestron Green Light® Dual-Technology Ceiling Mount Occupancy Sensor, 2000 Sq. Ft.

GLS-ODT-W-1200: Crestron Green Light® Dual-Technology Wall Mount Occupancy Sensor, 1200 Sq. Ft.

GLS-OIR-C-450: Crestron Green Light® Passive Infrared Ceiling Mount Occupancy Sensor, 450 Sq. Ft.

GLS-OIR-C-1500: Crestron Green Light® Passive Infrared Ceiling Mount Occupancy Sensor, 1500 Sq. Ft.

GLS-OIR-W-2500: Crestron Green Light® Passive Infrared Wall Mount Occupancy Sensor, 2500 Sq. Ft.

GLS-PLS-120/277: Power Loss Sensor, 3-Phase, 120 or 277 Volts

DIN-PWS50: DIN Rail 50 Watt Cresnet Power Supply

Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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