GLS-SIM

Crestron Green Light® Sensor Integration Module

- *Provides Cresnet connectivity for Crestron GLS-series (where applicable) and third-party sensors*
- *Works with occupancy sensors, photocells, partition sensors, and more*
- *Provides 24 VDC to power one or more sensors*
- *Includes two independent sensing inputs*
- *Supports contact-closure, DC logic, and 0-10V analog signals*
- *Onboard DIP switches simplify setup*
- *Allows fully-programmable operation as part of any Crestron system*
- *Compact module fits in an electrical box behind the sensor*
- *Miniature screw terminals facilitate reliable wiring connections*

The GLS-SIM is a compact interface device designed to allow Crestron Green Light® sensors (where applicable) to be connected directly to a Cresnet® control network. Cresnet is the communications backbone for Crestron sensors, dimmers, keypads, touchpanels, shade controllers, thermostats, and many other devices. This flexible four-wire bus provides data communications and 24 VDC power for all of the devices on the Cresnet network. The GLS-SIM installs easily at the sensor location, mounting conveniently inside the electrical box or exposed above the ceiling. Wiring connections to the network and sensor are facilitated using miniature screw terminals.

The GLS-SIM is compatible with Crestron GLS-series sensors, as well as with most 24 VDC powered sensors from any manufacturer. Up to 1A @ 24 VDC power is available[1] to support multiple sensors in parallel. The GLS-SIM actually includes two sensing inputs, each capable of sensing a contact closure, logic level, or 0-10 VDC analog signal. Setup is simplified using onboard DIP switches to select the sensor type (i.e. occupancy, photocell, partition, etc.) and operating mode (i.e. normally-open or normally-closed).

Specifications

Connectors

NET	(1) 4-pin 5mm detachable terminal block;
	Cresnet client port, connects to Cresnet control network
SENSOR	(1) 4-pin 3.5mm detachable terminal block; Sensor input comprised of 24VDC power output and two digital or analog input ports (referenced to GND);
	Digital Input: Rated for 0-24 VDC, input impedance 20k ohms, logic threshold 1.25 VDC;
	Analog Input: Rated for 0-10 VDC, protected to 24 VDC maximum, input impedance 20k ohms;
	Programmable 5 VDC, 2k ohms pull-up resistor per pin;
	Maximum Power Load: 1A @ 24 VDC[1]

Controls and Indicators

ID CODE	(2) Rotary DIP Switches; Used for manually setting Cresnet ID; '00' setting enables touch-settable ID (TSID)
MODE	(1) 4-position DIP switch; Sets sensor type and operating mode
POWER	(1) Green LED, indicates 24 VDC operating power supplied via Cresnet control network
NET	(1) Yellow LED, indicates communication with Cresnet system
SETUP	(1) Red LED and (1) recessed miniature pushbutton for TSID

Power Requirements

Cresnet Power Usage	1 W (0.04A @ 24 VDC) Does not include power draw of attached devices

Environmental

Temperature	32° to 104°F (0° to 40°C)
Humidity	0% to 95% RH (noncondensing)

Dimensions

Height	2.00 in. (51 mm)

| Width | 2.00 in. (51 mm), 2.88 in. (73 mm) with bracket |
| Depth | 0.86 in. (22 mm) |

Weight

2 oz (46 g)

Compliance

Regulatory Model: GLS-SIM

FCC Part 15 Class B, IC Class B, CE, UL® Listed for US and Canada

Models

GLS-SIM
Crestron Green Light® Sensor Integration Module

Available Accessories

For a list of available accessories, visit the GLS-SIM product page.

Note:

1. Actual load capability dependent upon the amount of available Cresnet power in the system.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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2.00 in.
(51 mm)

2.00 in.
(51 mm)

0.86 in.
(22 mm)

2.88 in.
(73 mm)

0.20 in.
(5 mm)

2.48 in.
(63 mm)

0.88 in.
(22 mm)

1.00 in.
(25 mm)

0.56 in.
(14 mm)