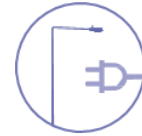
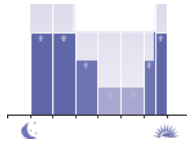
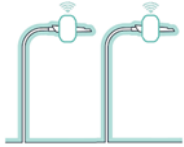




SLS Street Light Sentinel

The Street Light Sentinel (SLS) is designed as a utility grade basic function smart photocell and Luminaire controller. The SLS comes standard with a pre-loaded energy harvesting management profile (dimming) that optimizes lumen production with the ambient light during dusk and dawn. Ready to work out of the box, the SLS plugs into the standard ANSI 136.41 7-pin NEMA receptacle and automatically interacts with the 0-10V dimming drivers of the Luminaire. The SLS incorporates multiple protocol options to provide outage and defective operation notification.



Wireless Outdoor Lighting Controller

Remote Management and Control

Dimming and Adaptive Lighting Schedule

Inbuilt Astronomical Clock w/Backup Battery

Universal Luminaire Compatibility

Automatic Failure and Status Reports

FEATURES:

Electrical—Voltage input 90-277V with a power consumption of <1W. Dimming control 1-10V and a maximum load current of 10A. Standard surge protection of 410 Joule CATB (6kV/3kA).

Radio Communication—Supported band 2.4GHz, IEEE 802.15.4, self-forming mesh network and a network fault tolerance of self-healing mesh. Receiving sensitivity of -96dBm. Transmit power of 10dBm and an open field range of up to 500m. Data protection of 128-bit AES multi-layer security.

Environmental—Ingress Protection rating of IP66/IP67, optional proprietary vent to minimize condensation potential associated with sealed electronics in ambient outdoor conditions. IK rating of IK07. Operating temperature of -40°C to +70°C (-40°F to +158°F), UV stabilized PC housing material.

Certifications—Designed to comply with the following standards—CE, EN55015, EN61547, EN61000-3-2, EN61000-3-3, UL773, and CSA C22.2. RF transceiver compliant with US (FCC).

Power Metering—Parameters measured—Voltage, Current, Power Factor, Frequency, kW and kWh (optional).

Processing—Powerful 32-bit microcontroller for main application engine and 24-bit controller for metrology engine.

Rated Life (L75) - The high quality electronics are rated for well beyond 100,000 operating hours at 25°C (77°F) ambient environment per Telcordia analysis.

Photocontrol—The photo sensor is sensitive to .1FC to provide the most accurate ambient light sensing available in the market.

Central Management System—Web-based software allows individual remote-control, configuration, monitoring, and reporting, grouping, rule engine setting.

FOTA (Firmware Over-The-Air) Update—Firmware can be updated remotely ensuring up-to-date network infrastructure.

Housing—Precision-molded, polycarbonate housing provides a highly sensitive Omni-directional photocell, no “on the pole” photocell rotation required.

Astro Clock—Battery backed real time clock, Astro-clock feature (able to switch on/off the lights at sunrise/sunset and adjust them seasonally)

App Based Installation—Node location can be tracked using installer mobile.

ORDERING TABLE:

Model	Radio	Voltage	Color	Dimming	Surge	IP
SLS	R	1 = 90-277V	C	S	6	6
	C		B	X	H	

WARRANTY:

Standard 3 year limited warranty, extended warranty available. Warranty is subject to proper use of installation and application manuals.

GRAPHICAL USER INTERFACE (GUI) EXAMPLES:

GREENSTAR Dashboard 17-12-19 16:28:34

Home / Dashboard Dashboard

3 GATEWAY(S)

View Gateways >

9 LIGHTS

View Lights >

0 SENSORS

View Sensors >

890.11 kWh

POWER CONSUMPTION

View More >

Gateways

Legend: Online (Green), Offline (Red)

Lights

Legend: On (Green), Off (Red), Dim (Yellow), Offline (Grey)

Alerts View All

- GSRD-gateway-4 send offline alert! At 15-12-19 12:00:04

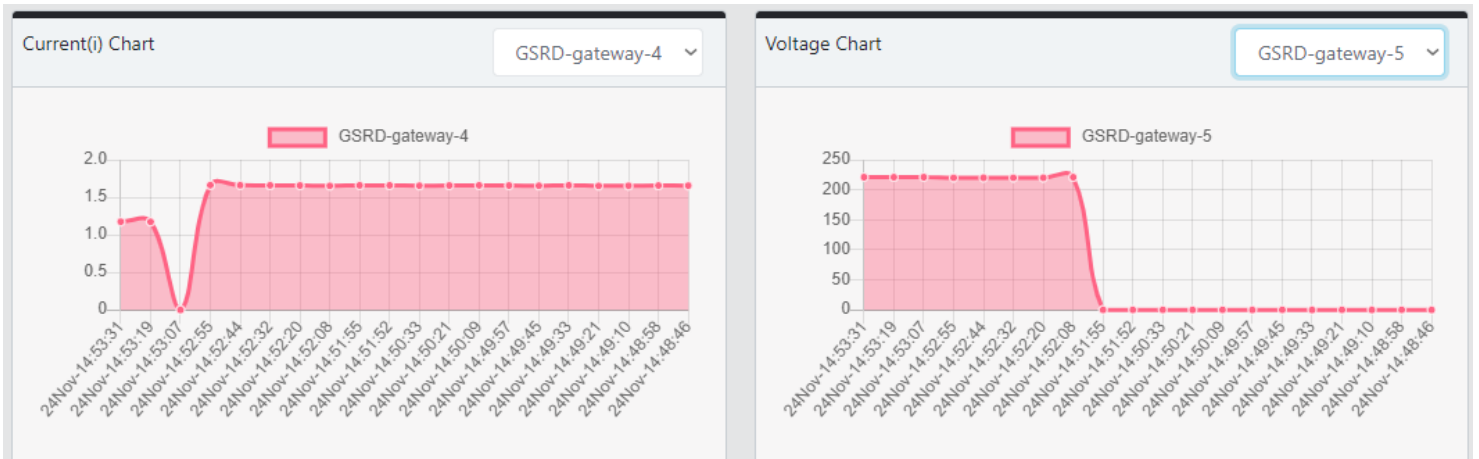
4 node(s) Offline!! Pending
- GSRD-gateway-6 send offline alert! At 15-12-19 12:00:04

1 node(s) Offline!! Pending
- GSRD-gateway-4 send offline alert! At 14-12-19 12:00:04

4 node(s) Offline!! Pending

Current(i) Chart GSRD-gateway-6

Voltage Chart GSRD-gateway-6



GREENSTAR 21.74% LIGHTS are online. 9 Jan 2019 16:05:28 Welcome GS.

Greenstar,GS All Gateways Lights Inspect

Dashboard

Device Total Online Inspect

Lights 23 5 0

Gateways 1 1 0

Controller

Reports

Groups 0

Tickets 18

Messages 0

Zone Hierarchy

Asset Management

User Management 1

Map Satellite

Astro_Back_Side

On Off

Brightness: 45

Time Schedule

Pole_1()

On Off

Brightness: 0

Time Schedule

