The GreenWorx System Controller, GSC, will serve as the central processor which communicates to all devices in a PCS® engineered GreenWorx™ Lighting Control System.

The GSC is built upon PCS’s reliable IPC™ patented, powerline communication, the strength of the technology is simply in its programmability. GreenWorx® configure software is a configuration tool to design and control the lighting in a facility. By placing your floor plan in the software enables you do simply drag and drop your design lighting accordingly. Configure lighting zones by area or purpose and set lighting scenes for convenience. It’s so simple a facilities management team has the ability to reconfigure system if needed.

Integration to other systems is available thru either the RS232 port directly on the front of the GSC or via an IP connection device to a BMS or facilities management system.

FEATURES
> The GSC supports up to 3500 FCMs in one network
> GSC supports up to 250 input devices such as ZLC and RSC wall controllers, or ISM or VSM input modules
> Communicates to PC via RS232
> Astronomical Time clock
> Auto daylight savings time DST adjustment
> 20 Year Calendar with 4 Daily Schedules with 250 events each
> Eight masks for conditional operation
> GSC mounts on front of any GSX in the system
> GSX unit connects to any 3 Phase Breaker in a circuit breaker panel communicating to loads to be controlled
> System is expandable up to 8 breaker panels with additional GSX system extenders.
> Versions to Support both 120 and 277 Volt applications
> 60Hz or 50Hz compatible
> Industrial Powerline Communication® Pulse Position Modulation communication

SPECIFICATIONS
Processor:
Motorola HC08 Industrial Processor

Memory:
Internal Flash, External EEPROM

Timer/Schedule/Calendar:
Real Time Clock, Battery Back-up
Sunrise/Sunset w offsets
Auto Daylight Savings Time Adjustments
20 Year Calendar
4 daily schedules w up to 250 events each

Line Connectors:
Terminal Block 12GA solid or stranded

RS485 GNX Connectors:
Standard RJ45 Cat 3,5,or 6 cable and connectors

LED Indicator status:
Status LED for setup and programming
Phase LEDs monitor transmission and receptions on all three phases

Power Requirements
Primary: 100 or 277 Volts AC, 50/60Hz

Enclosure
NEMA Class 1 surface mount

Environmental
Temperature: -40° to 194°F (-40° to 90°C)
High-temp version available - 40° to 240°F (-40° to 115°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 2W

Dimensions
Length: 8.15 in (201 mm)
Width: 6.15 in (156 mm)
Depth: 4.0 in (100 mm)
Weight: 5.5 lb (2.49 kg)
GSC/GSX
System Controller and Extender

Electrical Regulatory Certifications
ETL tested to UL508

TYPICAL WIRING DIAGRAM:

DIMENSIONS: