



Smart Crosswalk™ Solar Powered Dual Zone Power Control Unit (PCU)

LightGuard Systems Part Number: LGS-SOLAR-SYSTEM-DUAL-ZONE

Description: Solar Powered Dual Zone PCU with Programmable Interface

Application Notes:

The solar powered controller accepts call signals from either automatic activation bollards or manual push button activation. Once activated, the motorists are alerted by the Enlighten1™ flashing light sequence; which happens when a pedestrian enters the crosswalk. The flashing sequence is activated for a preset duration giving the pedestrians adequate time to cross the street while motorists are alerted.

The factory installed option converts the standard PCU into a dual independent output PCU accepting call signals from spare inputs (bollard pairs 3 & 4 and push buttons C & D) to activate the second zone output. User interface allows for multiple option selections and preset programming.

System includes: solar panel, enclosure, batteries and mounting brackets.

User interface allows for multiple option selections and preset programming, data collection per zone and separate cross time duration capability. These options require two standard solar power controllers.

Not offered: DC Upgrade Kits

Features/Benefits:

- Long life SLA batteries
- Digital keypad & LCD display
- Stand alone solar powered
- Pad or pole mount enclosure
- Simple electrical connections
- Internal branch circuit protection
- Controls two crosswalks independently
- Expandable power consumption systems



General Performance Specifications

Parameter	Value
Power Consumption	1 Watt (in standby mode)
Solar Panel	80 W Minimum
Operating Temp	0°C to 50°C
Input Operating Voltage	17—21 VDC
Output Operating Voltage	12 VDC Nominal
Output DC Load maximum	10 Amps
Enclosure Type	Aluminum enclosure W/ padlock latch NEMA 3R
Enclosure Color	White (standard)
Enclosure Size	45" x 16" x 15"
Battery	200 AH x 2