



## Smart Crosswalk™ Universal Controller

LightGuard Systems Part Number: LGS-UC-SOLAR

Description: Universal Controller SOLAR

### Features/Benefits:

- Internal & external branch circuit protection
- Nominal 12VDC output
- Lockable NEMA 3R Aluminum cabinet with welded flange brackets
- Includes
  - o 80w solar panel (min) + pole mount
  - o 2x 100AH batteries
- 4 Solid State outputs support multiple configurations, 6 solid state inputs

### Application Notes:

The Universal Controller SOLAR is intended for use at uncontrolled intersections. It accepts call signal inputs from a manual pedestrian push button device (standard or APS) and automatic pedestrian activated detectors (bollards). Solid State outputs (typically flashing light sequence) are activated which visually alert motorists to the presence of pedestrians inside, or about to enter, the crosswalk. The flashing sequence is a factory preset duration (field adjustable) to allow pedestrians adequate street crossing time.

The programmable logic controller user interface consists of keypad + LCD. LightGuard Systems' proprietary software provides effective, reliable operation allowing the user to adjustment the system parameters. All outputs are software controlled and configured by the factory.

The Universal Controller operates LGS DuraFlash™ Plus (IRWL + SMPL), Illuminated Signs, RRFBS, alternating beacons, etc. It is also compatible with most LGS upgrade kits (motion sensor, loop detector, wireless activation, radar, audible notification, etc.).

### General Performance Specifications

Parameter	Value
Power Consumption	1 Watt (standby mode)
Operating Temp	-20C to 50C
Input Operating Voltage (Battery & Solar Panel)	12VDC NOM
Input Current Protection (Battery & Solar Panel)	10A Fast acting circuit breakers
Output Operating Voltage	12VDC NOM
Output DC Load Max	10 Amps
Enclosure Type	NEMA 3R, vented, Aluminum w/padlock latch
Enclosure Color	Unpainted
Enclosure Size <ul style="list-style-type: none"> <li>• Overall</li> <li>• Opening</li> <li>• Inside:</li> </ul>	(H) 22.6" x (W) 19.25" x (D) 19.6" (H) 15.125" x (W) 15.75" (H) 17.875" x (W) 17.75" x (D) 18.75"

