



Solar Wireless Controller

Part Number: LGS-PLC-SE (MASTER & SLAVE)

Description: Solar Powered Wireless Controller and Relay

Application Notes:

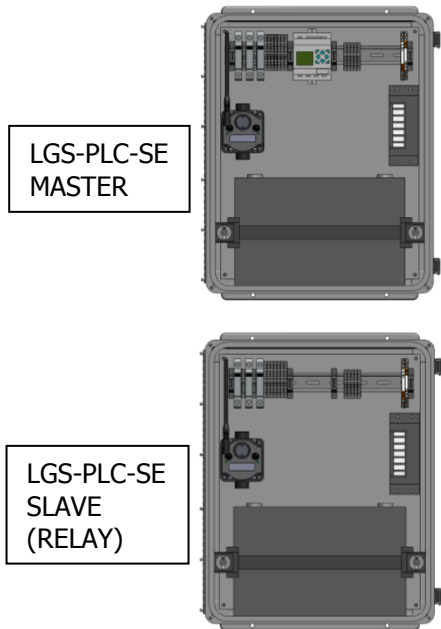
LGS-PLC-SE Master Controller & Slave supports a highly visible crosswalk treatment that increases driver yielding. The run time is factory preset to 20 seconds, and is field adjustable. The wireless system uses FCC approved matched transceivers to securely communicate activation inputs from both ends of the crosswalk, up to 250 ft. apart. The solar capacity of each electronic enclosure in the system (master or slave) can support up to 2 model LGS-W-SIGN + 2 RRFB for 325 daily activations at 20 seconds each, for a minimum 10 days without battery recharge (based on locations receiving as little as 4 hrs of full sun per day). Depending on actual usage needs, additional solar panels and/or batteries may be recommended. The controllers and transceivers are factory installed, assembled into a NEMA 4 rated cabinet.

Installation:

Connect the solar panel, sign(s) and push button to the controller enclosure (typically mounted behind the sign) connect battery, connect flashing outputs, connect input activation components.

Features & Benefits

- Compatible with Enlighten1 flash rate upgrade
- Compatible with Bollard Interface Upgrade kit (BIC)
- Compatible with both ADA & audible push buttons
- Compatible with multi-slave upgrade
- Wireless communication/operation
- Simple electrical connections
- Internal branch circuit protection



General Performance Specifications (Solar sizing based on estimated load)		Operating Diagram (shown with sign & push button input)
Parameter	Value	
Output power	5W (standby mode) 60W max 12 VDC nominal, 3A	
Operating temp	0 C to +50 C	
Battery	12VDC nominal, 100AH Sealed	
Solar panel	12VDC nominal, 55W min	
Current protection	5A circuit breaker	
Enclosure type	NEMA 4, Fiberglass 22 x 18 x 8, Grey	