

Solar-Powered School Zone Flasher - R829C



Improve Safety

The ultra-compact Model R829C is the most advanced, fully programmable solar LED school zone flasher available. The R829C system will effectively improve driver awareness and reduce vehicle speeds in marked school zones.

Innovative Solar Design

The R829C utilizes Carmanah's core energy management system (EMS), a technology proven in more than 250,000 installations in over 110 countries. Engineered for up to five years of maintenance-free operation, the R829C has been designed to operate reliably under all environmental conditions at most locations in North America.

It is the only MUTCD compliant solar-powered school zone beacon that can be installed on 2" round or square sign posts.

Complete Solution

This solar LED flasher includes the solar panel, battery and electronics all housed in one compact enclosure located above the signal head. This design eliminates any need for cumbersome battery or control cabinets that are common targets for vandals and potential hazards for pedestrians.

Cost Effective Installation

The R829C installs on an existing sign post in minutes and significant savings are achieved during installation as the unit requires no external

power, trenching, cabling or disruption to traffic flow. Even the process of obtaining power connection permits and underground checks is eliminated.

This self-contained system powers one or two industry standard LED signal heads, and can be installed on a standard sign post.

Programmable Operation

Carmanah's solar school zone flasher is controlled using an intuitive Windows-based software program that can be scheduled to turn the system on and off several times per day in accordance with when children are going to and leaving the school grounds. Programs for multiple units can be easily set up once and then copied to all systems, avoiding repetitive and time consuming programming of each unit.

Features

- Completely self-contained with no control cabinet or battery cabinet
- Flexible design enables any configuration of single, dual or bi-directional dual beacons
- Patented Energy Management System (EMS) optimizes system performance and ensures reliable operation
- Provides up to five (5) years of operation without maintenance or servicing
- MUTCD and ITE compliant
- Manufactured under ISO 9001:2000 Quality Assurance System



Model R829C

CHANGE THE WORLD WITH US™

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www.carmanah.com



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SPECIFICATIONS

OPERATION

Flash pattern	MUTCD compliant
Activation	MUTCD compliant

LED SIGNAL MODULE

Standard	ITE VTCSH-STD Part 2 Compliant*
Size	12" (300 mm) diameter

ENVIRONMENTAL

Optimal ambient range	-4° to 77° F (-20° to +25° C)
Maximum ambient temperature range	-40° to 176° F (-40° to +80° C)
Solar requirements: maximum installation latitude	55 Degrees North / South

ENERGY MANAGEMENT SYSTEM

Battery lifespan	5-8 years (field replaceable)
Operation capacity without solar charging	30 days
Daily operation profile	Up to 12 hours per day

MOUNTING HARDWARE

Mounting hardware options	2" square, 2 3/8" round, 4 1/2" round Pelco traffic signal mounting hardware
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TRAFFIC CONTROL DEVICE STANDARDS

Manual of Uniform Traffic Control Devices	Meets all MUTCD standards for flashing beacons
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QUALITY STANDARDS

Quality certification	ISO 9001:2000 Certified Manufacturer
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WARRANTY

3-year prorated warranty on entire system including batteries

* Actual intensity less than ITE specification
All specifications are subject to change without notice.

REPRESENTED BY

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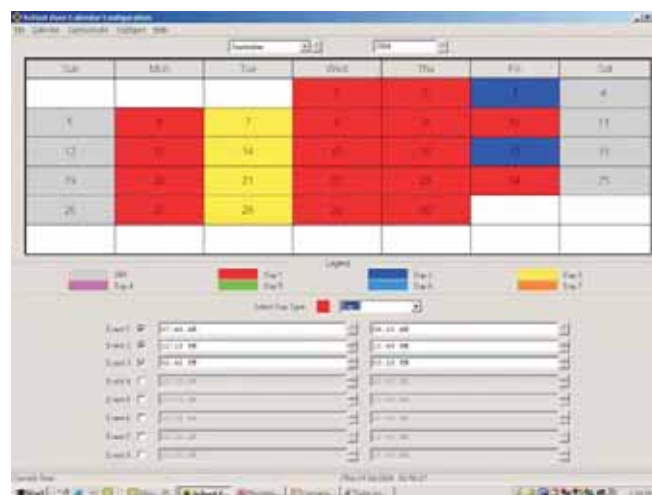
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Optional single or dual beacon configuration



Installs in minutes to 2" square or round sign post



User-friendly Windows-based software allows for easy programming of up to 500 days of operation

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