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Call
925-455-5267

MODEL

R829C

Solar-Powered LED School Zone Flasher

OPERATION	
Flash pattern	MUTCD compliant
Activation	MUTCD compliant
Control	Override switch box or pager unit
LED SIGNAL MODULE	
Standard	ITE VTCSH LED circular signal supplement*
Size	12" (300 mm) diameter
LED Collor	Yellow
ENVIRONMENTAL	
Ambient operating temperature	23 to 86 °F (–5 to 30 °C)
Ambient storage temperature	5 to 122 °F (–15 to 50 °C)
Solar requirements: maximum installation latitude	55° North / South
ENERGY MANAGEMENT SYSTEM	
Battery lifespan	3 – 5 years (field replaceable)
Capacity without solar charging	5 – 15 days typical (location dependant)
Daily operation profile	Up to 12 hours per day
MOUNTING HARDWARE	
Standard	2" square, 2 1/2" round, 4 1/2" round
QUALITY STANDARDS	
Quality certification	ISO 9001:2000 Certified Manufacturer
WARRANTY	
Term	12-month limited warranty (including batteries)

* Meets all requirements for flashing beacons required by MUTCD, chapter 4D.18
All specifications are subject to change without notice.
Manual on Uniform Traffic Control Devices (MUTCD).

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Improve Safety
Carmanah's programmable solar school zone flasher is the most advanced solar LED system available. The Model R829C solar flashes system will effectively improve driver awareness and reduce vehicle speeds in marked school zones.

Innovative Solar Design
The R829C solar flashes is built using Carmanah's core energy management system, a technology field proven to perform in installation locations around the globe.

This ultra-compact, self-contained system powers an industry standard LED module for reliable, maintenance-free operation. The R829C solar flashes has been designed to work reliably under all environmental conditions throughout North America with no maintenance for five years.

Complete Solution
The R829C solar flashes assembly includes the solar panel and electronics, all housed in a compact solar engine located above the ITE and MUTCD compliant LED module, so a separate battery or control cabinet is not required. The entire unit can be installed easily with no hardwiring needed.

Programmable Operation
The R829C solar flashes is controlled using an intuitive Windows-based software program that can be scheduled to turn a 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.

Quality is Assured
Carmanah manufactures in accordance with ISO 9001:2000 Quality Standards. The R829C solar flashes is backed by a 12-month limited warranty.

Typical Applications include:
- Completely self-contained with no control or battery cabinet
- Flexible design enables any configuration of single, dual or bi-directional dual flashers
- Patented Energy Management System (EMS) optimizes system performance and ensures reliable operation
- MUTCD compliant

Installations

Number: R829C_53532_Spec_vG April 2008