

Solar-Powered LED Pedestrian Crosswalk Beacon - R820C



Complete Solution

The Carmanah R820C is the most compact and efficient solar-powered, push button activated crosswalk warning flasher available. Using solar power and LED modules, the unit is designed to operate reliably with no scheduled maintenance for up to five (5) years.

The solar panels, batteries and all electronics are integrated in one solar engine at the top of the pole. This eliminates the need for cumbersome battery or control cabinets that are common targets for vandals and potential hazards for pedestrians.

Improve Safety

The solar-powered R820C will effectively improve driver awareness of pedestrians at uncontrolled crosswalks. This system is an extremely cost-effective solution for providing pedestrian safety at virtually any location where the sun shines.

Cost Savings

The R820C installs at a fraction of the cost compared to hardwired systems. The R820C communicates wirelessly using advanced RF communication. This means no trenching, cabling or disruption of traffic flow during installation. Even the processes of obtaining power connection permits and underground checks are no longer required.

Quality is Assured

Carmanah manufactures in accordance with ISO 9001:2000 Quality Standards. The R820C is backed by a 3-year warranty

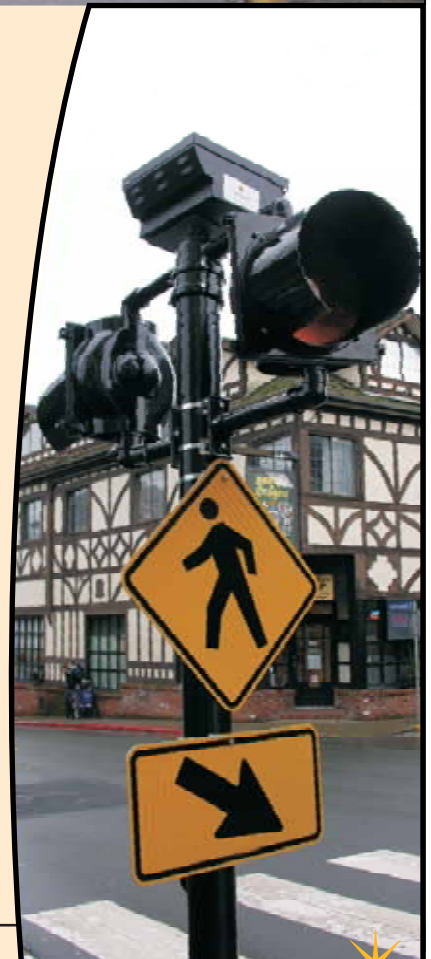
Features include:

- 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
- Replaceable battery pack to extend unit life
- MUTCD and ITE compliant

30-Day Risk-Free Evaluation

Order an R820C today and evaluate the product's quality, performance and reliability. If not fully satisfied, return it within 30 days for a full refund of the purchase price.

***No external wiring, no trenching,
no battery or bulb replacement,
no maintenance for five (5) years...***



CHANGE THE WORLD WITH US™

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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 temperature 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° North / South

ENERGY MANAGEMENT SYSTEM

Battery lifespan 5-8 years (field replaceable)
Capacity without solar charging 30 days
Daily operation profile 300 activations per day (20 sec./ activation, 2hrs cumulative)

WIRELESS ACTIVATION

Activation Push button activation sends wireless signal to all units
Duration 5 to 60 second flash duration (adjustable by 5 sec. increments)
Frequency 900 Mhz FHSS (frequency hopping spread spectrum)
Effective range 165 ft/ 50m line of sight

MOUNTING HARDWARE

Standard Pelco traffic signal mounting hardware

QUALITY STANDARDS

Quality assurance ISO 9001:2000 Certified manufacturer

WARRANTY

Term 3 year pro-rated warranty (including batteries)

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

A flexible design means the R820C can be configured as required:

- Bi-directional
- Vertical dual flasher
- Horizontal dual flasher

For extra clearance, security and flexibility, the top solar housing can be mounted on any length pole, independent of the signal heads



REPRESENTED BY

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