



carmanah®

925-455-5267
Jam Services, Inc.

MODEL

R820C



Solar-Powered LED Crosswalk Flasher

OPERATION

Flash pattern	MUTCD compliant
Activation	MUTCD compliant

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	540, 20 seconds activations per day (3 hours cumulative)

WIRELESS ACTIVATION

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

MOUNTING HARDWARE

Standard	2" square, 2 1/2" round, 4 1/2" round
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QUALITY STANDARDS

Quality certification	ISO 9001:2000 Certified Manufacturer
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WARRANTY

Term	12-month limited warranty (including batteries)
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* Meets all requirements for flashing beacons required by MUTCD, chapter 4D.18
All specifications are subject to change without notice.
MUTCD: Manual on Uniform Traffic Control Devices





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Complete Solution

The Carmanah R820C solar flasher 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 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.

Featuring Carmanah's patented energy management system (EMS) the R820C solar flasher offers reliable operation year round. The R820C solar flasher also features a replaceable battery pack for extended product life.

Cost Savings

The R820C solar flasher installs at a fraction of cost compared to hardwired systems. The R820C solar flasher communicates wirelessly using advanced RF communication. This means no trenching, cabling or disruption of traffic flow during installation. Even the process 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 solar flasher is backed by a 12-month limited warranty.

A flexible design means the R820C solar flasher 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.

Installations

