

R829-F

Solar-Powered School Zone Flashing Beacon Data Sheet



Beacons decrease vehicle speeds by 5 to 7 mph in school zones:

- ✓ Highest intensity output in the industry
- ✓ MUTCD 11th edition and Buy America/BABA compliant
- ✓ Compact and lightweight solar engine
- ✓ Solar Power Report™ (SPR) prepared for every location to ensure battery longevity

Superior Design and Technology

The R829-F utilizes a self-contained solar engine integrating the Energy Management System (EMS) with an on-board user interface, housed in a compact enclosure together with the batteries and solar panel. A larger solar engine enables the R829-F to work with third-party time clocks and remote monitoring, as well as operate at higher intensities in challenging environments.

Easy Installation

With its highly efficient and compact design, installation is quick and uncomplicated, dramatically reducing installation costs. Retrofitting can be done where existing sign bases are used to enhance existing school zones and speed limit signs in minutes, and new installations can be completed without the cost of larger poles, new bases, and trenching.

Calendar Operation

Schedule beacon operation with our easy software-based calendar program, or use third-party time clocks for local or remote control.

Advanced User Interface

The R829-F comes with an on-board user interface for quick configuration and status monitoring. It allows for simple in-the-field adjustment of flash pattern, duration, intensity, ambient auto adjust, night dimming, and many more. Optional wireless connection enables one beacon's calendar settings to control multiple school zone beacons.

Reliable

Every solar-powered model is solar-sized by location to ensure year-after-year operation. Carmanah includes a Solar Power Report to prove sustainability over a 12-month period.



**MUTCD
compliant**



**Buy America
compliant**



**5-year limited
warranty**



**Solar-sized for
every location**

Document: Carmanah DATA R829-F RevD