The Guardian Series is a product line that monitors and alerts users of current and potential problems with batteries, solar panels, time switches, and power supplies located in flasher systems or any other electronic device. Alerts are sent via text or e-mail to an unlimited number of recipients and can be set to send around-the-clock or only during user-defined business hours.
GUARDIAN SERIES
INTELLIGENT FLASHER SYSTEM FOR CARMANAH® INSTALLATIONS

FEATURES
— Works with RTC Connect™
— Requires the use of RTC AP22 time switches and M2M cell modems (sold separately)
— Pre-labeled wiring harnesses simplify installation
— Dimensions: Width: 6.5"W x 13.5"L x 1.875"D

The Guardian-Carmanah® is designed to add RTC Guardian monitoring features to existing Carmanah® R829 school zone flasher installations.

The Guardian-Carmanah® consists of a metal enclosure that houses an RTC AP22 time switch, M2M cell modem, mounted Guardian circuit board, and wiring harnesses.

MONITORING COVERAGE
SOLAR VOLTAGE: Solar voltage levels are continuously monitored and updated daily in RTC Connect™. The data is displayed graphically in 15-minute intervals, illustrating anomalies in the solar charging cycle and providing valuable information about the solar power and surrounding solar environment.

LOAD STATUS: Continuously monitors load terminals and issues an alert to RTC Connect™ if the load voltage to the system is disconnected by the solar regulator.

LEDs/DC LAMPS: Continuously monitors LED/lamp terminals and sends an alert if an LED or DC lamp burns out or is vandalized.

Battery: Battery voltage levels are continuously monitored and updated daily in RTC Connect™. The data is displayed graphically in 15-minute intervals, illustrating the relationship between the solar and battery voltages. An alert is issued to RTC Connect™ if the monitored battery voltage falls below a user set level. An alert is also issued in the case of battery theft.

Time Switch: Continuously monitors the internal time switch voltages and issues an alert if the time switch loses power.