School Zone Safety System

The system includes:
- AC or solar powered radar speed sign and flashing beacons
- Yellow fluorescent YOUR SPEED faceplate for radar speed sign
- StreetSmart data collection and reporting software

Also available:
- Regulatory school zone signs
- Pole with breakaway base
- Concrete form guide with anchor bolts
- Relay switch to trigger flashing beacons AC and DC versions

System Management Options

Radar speed sign timers control the radar speed sign & flashing beacons locally

- Radar speed sign and flashing beacons operate on a 7 day repeatable schedule. Each day schedule can be unique. Changes made locally on-site with wireless Bluetooth® access from laptop to radar speed sign.

1. Radar speed sign and flashing beacons on 24/7
2. Radar speed sign on 24/7; Flashing beacons on M-F during school zone times only.
3. Radar speed sign on during flashing beacon operating times only.
4. Flashing beacons activate by speeding threshold setting in radar speed sign.

Timer/Controller local on each pole with radar speed sign and flashing beacons

- Flashing beacon times and dates of operation can be pre-programmed for an entire year.
- Changes must be made locally at the pole.
- Radar speed sign can be controlled by the flashing beacon timer as well or operate on its own settings.

Timer/Controller accessible wirelessly from any desktop through cellular modem

- Flashing beacon system and dates of operation can be pre-programmed for an entire year
- 24/7 access for scheduling changes

SYSTEM FEATURES: Radar Speed Sign

- **Available in two LED display sizes:**
  TC-500: 30 cm LED display with a 60 cm w x 66 cm h YOUR SPEED faceplate with 10 cm high lettering . Sized for 15 kph-65 kph speed limit roads.
- **TC-1000:** 43 cm LED display with 91.4 cm w x 111.8 cm h YOUR SPEED faceplate with 15.2 cm high lettering. Sized for 70-115 kph speed limit roads and higher
- **Maximum visibility** with yellow fluorescent YOUR SPEED faceplate
- **Reduced operating costs**: Entire system works from a single power source on a single pole
- **Energy efficient design** means a smaller solar panel and battery are used ensuring continuous operation with battery backup of up to 10 days.
- **Directional Beam Technology** delivers a higher quality display for drivers, even in bright sunlight. Radarsign's proprietary design includes LED cones that magnify the intensity of the light, pinpointing it directly to the view of approaching drivers.
- **Heavy-duty aircraft aluminum housing** makes Radarsign products the most vandal resistant signs available. A 9.5mm armored Bashplate™ protects the LEDs and internal components.
- **Speed Alert** flashes actual speed to alert drivers that they are exceeding the posted limit. Two speeds of flashing alerts are standard.
- **Display on-off feature** allows traffic data collection to continue even when the display is off (stealth mode)
- **Radar speed sign construction:** MUTCD compliant; NEMA 4R powder-coated aluminum housing; Lexan cover provides maximum UV protection and is abrasion, shatter, and graffiti resistant.
- **Bluetooth® communication** allows wireless operation of the radar speed sign and data collection directly with a laptop from the comfort of a nearby vehicle.
- **Power options**: Available in AC or solar models
- **Flashing beacon configurations:** Single and dual beacon systems available in front, top, and side mount beacon configurations
- **Easy & quick installation**: School zone system arrives 90% assembled
- **Beacon Only Safety System available.** Optional add-ons include a local timer/controller, regulatory school zone sign, pole and footing.

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School Zone Safety System
SYSTEM FEATURES - Flashing Beacon Specifications

Top Mount

Front Mount

Side Mount

Component	Specification
LED Signal Head	Lamp Wattage: 5 +/- 10%
	Lens Material: Tint or Clear Polymeric
	Chromaticity: 590 nm
	Working Voltage: 10-15 VDC (solar); 110 VDC (AC)
	Temperature Compensation: yes
	NEMA 4 Compliant
	Visible Beam Spread: 80º off axis
	UV Stabilization: yes
	Polycarbonate Beacon Housing
	5 Year Standard Warranty
Flasher Module	100% solid state design
	Flash Rate: 60fpm
	Duty Cycle: 50%
	Standard NEMA 2 circuit flasher
Calendar Timer Module (optional)	16 character, alpha-numeric, Liquid Crystal Display (LCD)
	Automatic Daylight Savings Time (DST) compensation
	48-hour capacitive memory back-up-no batteries to replace
	16 program steps
	10 skip plans
Solar Cabinet	NEMA 3 aluminum cabinet
	DCF-2 circuit 12 volt DC flasher
	8 pin flasher base
	solar regulator
	CPC connector with 84 inch harness
	High quality police lock
Solar Panel Options	Rated Power: 65 watt/85 watt/120 watt
Solar Charge Controller (Solar model only)	Rated Solar Current: 15A
	Rated Load Current: 15A
	System Voltage: 12/24V
	Sealed lead acid
	100% solid state
	Current compensated low voltage disconnect (LVD)
Battery (Solar model only)	12 Volt 55/75/100 AHr AGM Battery
	Up to 10 day backup operation
AC Cabinet	NEMA 3 weather-tight aluminum cabinet
	DIN mounting wiring panel
	10 amp circuit breaker
	Single stage suppression circuit
	Isolation relay
	Switch to turn off flashing output
	NEMA 2 circuit flasher
	High quality police lock
	Surge arrestor
Flashing Beacon Mounting Options	Top of pole, Side of pole, Front of pole