



SCHOOL ZONE SYSTEMS

Since 1968, ELTEC has been a leading provider of programmable time clocks for the flashing beacons in School Zones. A system can be configured with one or two amber/yellow LED's (Light Emitting Diodes) per pole. Some municipalities require a "tattle tail" light which faces the opposite direction of the LED's. It confirms to authorities that the school lights are indeed ON/working as scheduled.

An ELTEC School Zone System may be AC or DC solar powered.

The flashing beacons are activated by a time clock, which has been programmed for the entire school year.

In some cases, the school zone layout is best served by using a MASTER cabinet which communicates with the SLAVE units positioned around the parameter of the school ground to turn ON/OFF the flashing LED's at the appropriate times. Because the flashing light activation is wireless between poles, no trenching or boring to run wires/cables or a conduit is necessary.

A typical installation consists of two or more poles, one facing each direction. Each pole supports a small weather resistant cabinet that houses the electronic controls; a programmable time clock and a flasher. If the unit is solar powered, the cabinet also contains a solar charge controller and a battery, and a solar panel with a rack (either side-of-pole or top-of-pole) is mounted on each pole. The poles are supported by a break-a-way base. Mounting hardware for the cabinet and signal heads is determined by the type and size of pole used (aluminum or wood.)

ELTEC's School Zone Systems meet the Federal Highway Administration's MUTCD (Manual on Uniform Traffic Control Devices) and ITE (Institute of Transportation Engineers) standards.

STANDARD FEATURES

A standard system includes poles, flashing beacon(s) in housing heads with visors (polycarbonate or aluminum) and an electronics cabinet with a time clock, flasher and pre-assembled wiring for easy installation along with installation documentation.

- AC or DC solar powered
- System flexibility: Tailored to meet requirements
- Programmable flashing with ELTEC time clock
- 8" or 12" LED Signal Heads: no price difference
- No maintenance battery: sealed gel or AGM
- AC: optional battery back-up
- Solid State Flasher (FS-2 Flasher)
- Meets MUTCD and ITE Standards

When AC power is not available or practical, solar power is the solution. ELTEC's solar powered School Zone uses high efficient solar panels that come with a 20 year warranty. Each system is sized for geographical location and electrical load for optimal effectiveness guaranteeing sufficient power for the flashing beacons—the light intensity never fades!

FEATURES and BENEFITS for (DC) solar units.

- Self Contained
- Top or Side-of-Pole Mounting Rack
- No Power Interruption
- No Trenching or Boring for Cable
- No Electrical Bills
- Electrical Contractors/Technicians Not Required for Installation
- High Efficiency Self Cleaning Solar Modules with 20 year warranty
- Sealed Gel or AGM Sealed Deep Cycle Batteries: 5 Year Pro-rated Warranty
- Controller with LCD Display Showing Battery & Solar Array Voltage, Output and Load Current
- Solid State Flasher (FS-2)
- Sized by Computer Program: Ensures Power Generated meets/exceeds Load Requirements



Painted Cabinet & Pole
with Tattletale Light



School Zone with Speed Sign



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