

### PEDESTRIAN CROSSING SYSTEMS

ELTEC's Pedestrian Crossing System is designed to alert approaching motorists that a crosswalk is occupied.

ELTEC's Pedestrian Crossing System may be integrated for AC or solar power. All ELTEC solar powered systems never dim any signal during the day, maintaining the beacon's effectiveness and the warning system's integrity.

#### APPLICATIONS

- Jogging/Running Paths
- Hiking Trails
- Horse Trails
- Cyclist Crossings
- Golf Cart Crossings
- Middle-of-the-Block Crosswalks

ELTEC manufactures three mid-block pedestrian crossings:

Standard: single or dual round amber signals per pole

RRFB: Rectangular Rapid Flashing Beacon

HAWK (hybrid): High Intensity Activated CrossWalk

Every ELTEC pedestrian crossing system is designed and manufactured to individual project specifications. Each solar powered system takes into consideration geographic location and system loads. On solar powered systems, ELTEC does not agree with the "one size fits all" philosophy.

Activation of the flashing signal(s) is initiated with a pedestrian push button, motion sensor, or camera. Our wireless radio communication eliminates the need to run conduit for hard-wiring. Once activated, the signals remain ON for an adjustable pre-set time period as determined by the signal technician.

ELTEC's wireless system can turn ON multiple signals from one activation point including medians or advance warnings. Each programmable transceiver is linked to one or more poles creating an isolated network with no 'cross talk'.

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



Rural Bike and Pedestrian Crossing



Standard and Hawk  
Mid-block Pedestrian Crossings



RRFB with  
Pedestrian Verification Light

A typical system includes two or more poles with mounted beacon(s), RRFB light bar, or the HAWK crossing hybrid beacon face. Each pole supports a small cabinet housing the electronics with pre-assembled wiring for easy installation. If the unit is solar powered, a charge controller and battery are included, and a solar panel with a rack is mounted on each pole.

## STANDARD FEATURES

- AC or Solar Powered
- Activation Options: pedestrian push button, motion sensor, camera
- System Flexibility: tailored to meet project requirements
- Programmable Timed Crossing
- No Trenching or Boring Cable with Wireless System
- 8" or 12" Amber Signal Heads: 1 or 2 per pole
- RRFB Light Bar
- Hybrid Beacon with Mikros EIC DC Controller
- Optional Night Dimming
- AC: optional battery back-up
- Meets MUTCD and ITE Standards

When AC power is not available or practical, solar power is the solution. ELTEC's solar powered pedestrian crossings are sized for geographic location including average weather conditions, number of crossings (activation time), and electrical load for optimal effectiveness guaranteeing sufficient power for the flashing beacons throughout the year. As specified by the FHWA, "it is not acceptable to dim signal indications or flashing beacons during daytime conditions...."

## ADDITIONAL FEATURES for SOLAR POWERED SYSTEMS

- No Electrical Bills: self-contained
- No Power Interruption
- Electrical Contractors Not Required for Installation
- Solar Panel Mounting Rack Options: side or top-of-pole
- Self Cleaning Solar Panels Warranted for 20 Years
- No Maintenance AGM Sealed Batteries
- Controller with Display Showing Battery Voltage, Solar Amps, and Load Amps
- Solid State Flasher (FS-2 or FS-2B) or Mikros EIC for Hybrid Flash Pattern
- Sized by Computer Program: ensures power generated exceeds load requirements
- 12 Month Solar Sizing Report Supplied (no charge) with Each Project
- Flash Rate is Constant at Selected Rate: does not vary as a function of battery voltage

**For more information or a quotation, contact ELTEC or your local ELTEC Dealer**



Mid-block Crossing with Island



Wrap-around RRFB Light Bar with Required Signage

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