

PEDESTRIAN HYBRID BEACON HAWK (Solar Powered High-Intensity Activated CrossWalk)

ELTEC's innovative, state-of-the-art Mikros EIC provides a low-powered DC controller solution for solar powered hybrid beacon systems.

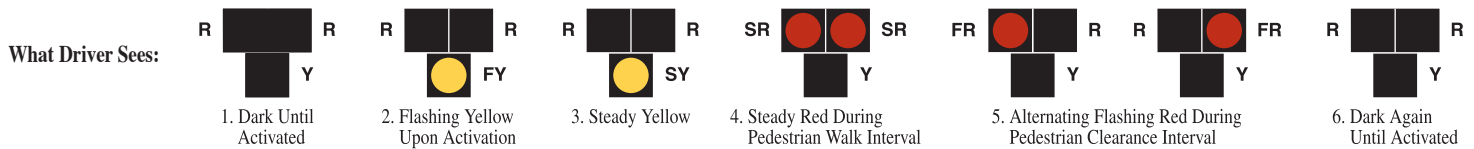
When a traffic signal is not justified under MUTCD signal warrants or a decision is made not to install a traffic control signal, a pedestrian hybrid beacon should be considered to facilitate pedestrian crossings. The HAWK is a special type of hybrid beacon used to warn and control traffic at marked, unsignalized crosswalks to assist pedestrians crossing a street or highway.



The MUTCD standards (Chapter 4F 2009 Edition) require:

- Two Beacon Faces for Each Approach (minimum requirement)
- Pedestrian Signal Head (WALK/DON'T WALK) at Each End of Crosswalk (countdown timer optional)
- System/Crossing Pedestrian Activated

Flash Sequence for a Pedestrian Hybrid Beacon



FY-Flashing Yellow • SY-Steady Yellow • SR-Steady Red • FR-Flashing Red

What Pedestrian Sees:



FEATURES and BENEFITS

Solar Powered

- Efficient Solar Charge Controller
- Customized Solar Sizing: Ensures Sufficient Power in Winter Months
- Eliminates Electric Utility Connection and Service
- Eliminates Power Interruptions
- Virtually No Maintenance or Operational Costs

Low Voltage, Low Wattage Signal Heads

- DC Pedestrian Head with Countdown Timer
- Automatic Night Dimming

Flexible System: Tailored for Project

Requirements

- Pedestrian Push Button: Brand Flexibility
- Available in AC or Solar Powered

Meets MUTCD Standards

- MUTCD Expands Standards Allowing HAWK Crosswalk System
- Increased Public Safety

State-of-the-Art Controller with Conflict Monitor

- Efficient, Low-Power DC Controller (less than 2 watts)
- Simple User Interface for Status and Programming
- Wireless Communication (can be hard-wired) Military Quality Radio Trenching and Boring Not Required
- Continuous Conflict Monitor Communication Failure Signal Outputs: Current Monitor Absence of Signal Conflict Signals Low Battery Voltage Fail Mode Stays On Until Conflict Resolved
- Small Footprint: Controller and Batteries Can Fit in Most Existing Cabinets
- Adjustable Cycle Timing
- Pre-emption
- Coordination
- Meets and Exceeds NEMA TS5 2012 Standards

25 Month System Warranty

EMERGENCY VEHICLE HYBRID BEACON

ELTEC's efficient, wireless Mikrós EIC provides a solar powered DC controller solution for Emergency Vehicle Hybrid Beacons.

An emergency vehicle hybrid beacon is a special type of beacon that assigns the right-of-way to authorized emergency vehicles. It may be installed at a location that does not meet other traffic signal warrants such as at an intersection or other location to permit direct access from a building housing the emergency vehicle. Emergency vehicle hybrid beacons shall be used only in conjunction with signs to warn and control traffic at an unsignalized location where emergency vehicles enter or cross a street or highway.



MUTCD (2009 Chapter 4G) requires at least two emergency vehicle hybrid faces and a stop line to be installed for each approach of the major streets.

An EVHB face consists of three signal sections, with a circular yellow signal indication centered below two horizontally aligned circular red signal indications. The beacon is in a dark mode during periods between actuations. Upon activation by authorized emergency personnel, the beacon cycles through the sequence shown below.

Flash Sequence for an Emergency Vehicle Hybrid Beacon



FY-Flashing Yellow • **SY**-Steady Yellow • **FR**-Flashing Red OPTION: A "Steady Red" clearance interval may be used after a "Steady Yellow."

FEATURES and BENEFITS

Solar Powered

- No Power Interruption
- No Electrical Bills / Self-Contained
- Electrical Contractors / Technicians Not Required for Installation
- Maintenance-Free AGM Battery
Performs Better in Cold Climates
5 Year Pro-Rated Warranty

Low Voltage, Low Wattage Signal Heads and Controller

- Efficient, Low-Power DC Controller (less than 2 watts)
10 Times Lower Power Consumption Than Comparable Products
- LEDs Consume No More Than 5 Watts
- Automatic Dusk to Dawn Night Dimming

Meets MUTCD Standards

25 Month System Warranty

State-of-the-Art Controller with Conflict Monitor

- Wireless Communication (can be hard-wired)
Military Quality Radio: 900 MHz
Spread Spectrum
Trenching and Boring Not Required
- Continuous Conflict Monitor
Communication Failure
Signal Outputs: Current Monitor
Absence of Signal
Signal Conflicts
Low Battery Voltage
Fail Mode Stays On Until Conflict Resolved
- Adjustable Cycle Timing
- Simple User Interface for Status and Programming
- Meets and Exceeds NEMA TS5 2012 Standards

Flexible System: Tailored for Project Requirements

- Solar Panels: Site-Specific Mounting Options
- Available in AC or Solar Powered



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