

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.



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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

- Customized Solar Sizing: Ensures Sufficient Power in Winter Months
- Eliminates Electric Utility Connection and Service
- Eliminates Power Interruptions
- Virtually No Maintenance or Operational Costs
- Electrical Contractors/Technicians Not Required for Installation
- Maintenance-Free AGM Battery Performs Better in Cold Climates

Low Voltage, Low Wattage Signal Heads

- DC Pedestrian Head with Countdown Timer
- LEDs Consume No More Than 5 Watts

Flexible System: Tailored for Project Requirements

- Solar Panels: Site-Specific Mounting Options
- Available in AC or Solar Powered
- Pedestrian Push Button: Brand Flexibility

25 Month System Warranty

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

ELTEC's innovative, state-of-the-art Mikrós 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.

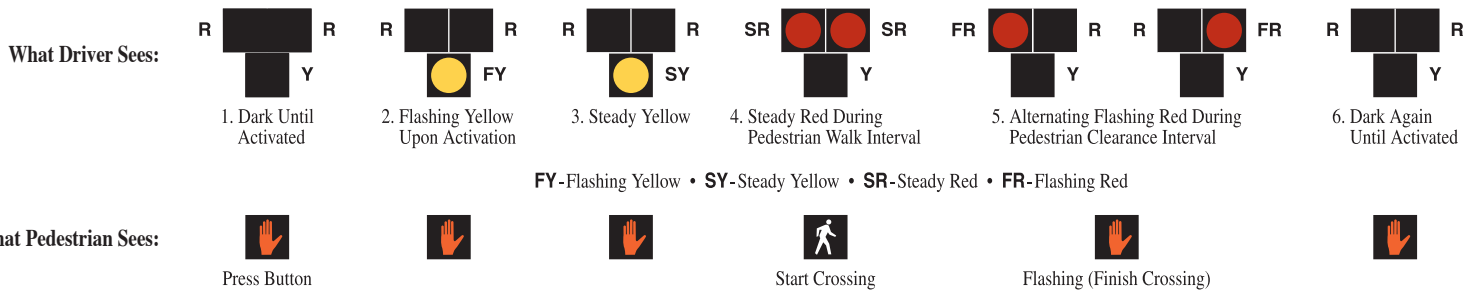
The MUTCD standards (Chapter 4F 2009 Edition) require:

- 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



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Flash Sequence for a Pedestrian Hybrid Beacon



Mikrós EIC DC Controller with Built-in Conflict Monitor FEATURES and BENEFITS

State-of-the-Art Controller with Conflict Monitor

- Efficient, Low-Power DC Controller (less than 2 watts)
- 10 Times Lower Power Consumption Than Comparable Products
- Simple User Interface for Status and Programming
- Adjustable Cycle Timing
- Wireless Communication (can be hard-wired)
- Trenching and Boring Not Required
- Spread Spectrum Radio: 900 MHz
- Compact Size: 7"W x 5.5"D x 9"H
- Small Footprint:
 - Controller and Batteries Fit in Pole-Mounted Cabinet
 - Retrofits Most Existing Cabinets
- Adjustable Cycle Timing
- Pre-Emption Coordination with Other Signal Controllers

- Continuous Conflict Monitor:
 - Radio Communication Failure
 - Signal Outputs: Monitors Absence of Signal
 - Signal Conflicts
 - Fail Mode Stays On Until Conflict Resolved
- Can be packaged with an AC to DC power supply.

Low Voltage, Low Wattage Signal Heads

- DC Pedestrian Head with Countdown Timer
- LEDs Consume No More Than 5 Watts

Meets MUTCD Standards

- Meets and Exceeds NEMA TS5 2012 Standards

25 Month Product and System Warranty



ELECTROTECHNICS CORPORATION

1310 Commerce Street,
Marshall, TX 75672

800-227-1734 903-938-1901 Fax 903-938-1977

sales@elteccorp.com