

### 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



#### ELECTROTECHNICS CORPORATION

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