

HAWK (High-intensity Activated crossWalk) Beacon Systems

General Description

A HAWK Beacon, also known as a Pedestrian Hybrid Beacon, is a special type of beacon used to stop traffic and allow pedestrians to cross safely at marked, un-signalized crosswalks. According to MUTCD standards (Chapter 4F 2009 Edition), HAWK Beacons should only be installed at marked crosswalks.

HAWK Beacon systems include:

- Two 3-signal beacon assemblies for each approach (minimum requirement)
- One pedestrian signal head (WALK/DON'T WALK) at each end of the crosswalk (countdown timer optional)
- Pedestrian activation (push-button or passive activation)

We now offer an off-the-grid, ready-to-install, solar powered wireless HAWK Beacon using our innovative Mikrós EIC DC Controller with a built-in conflict monitor. Our solar systems include a charge controller, battery, and solar panels that mount on a pole or mast arm.

Features and Benefits

- **Solar Powered**
 - Efficient MPPT charge controller
 - Sized for location, ensures sufficient power all year
 - Sized for usage, based upon estimated daily activations
 - Self contained, no electric bills
 - Eliminates power interruptions
 - Electrical contractors not required for installation
 - High-efficiency, self-cleaning solar panels
 - 20 year warranty
 - Site specific mounting rack options
 - No maintenance AGM (Absorbed Glass Mat) battery
 - Performs better in cold climates
 - 5 year pro-rated warranty



High-Efficiency, Low-Power System Components

- Mikrós EIC electrical consumption: 2 watts
- Beacons consume no more than 4 watts each
- Pedestrian head (WALK/DON'T WALK) continuous 24/7: Less than 4 watts
- Pedestrian head + countdown timer operating 24/7: Less than 5 watts
- Automatic dusk-to-dawn night dimming

Flexible System

- Tailored for project requirements
- Wireless communication and control between signals, no trenching or boring cable (can be hard-wired)
- Pedestrian push-button: Brand flexibility
- Small footprint, mount on pole or mast arm
- AC or solar powered

Meets MUTCD Standards

- 25 Month System Warranty

Flash Sequence for a HAWK Beacon System

What Driver Sees:



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

What Pedestrian Sees:



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**

