



MigmaDSFB™ Flashing Beacon

for pedestrian and bicyclist safety at midblock crossing



The continuously flashing beacons may not necessarily attract driver's attention because they are always on and drivers get used to them already. In addition, they flash 24/7, day and night, even when there are no vehicles or pedestrians/bicyclists on the streets, which might also introduce the visual noises to the residents living nearby.

Specification

Beacon Flasher

- △ Diameter 12 or 8 inch (amber or red)
- △ Flashing Pattern Constant or activated by pedestrians or bicyclists via wireless motion sensors
- △ Luminous Intensity ≥ 4000 cd
- △ Visual Distance ≥ 1600 ft
- △ Battery Capacity 20aH
- △ Solar Panel 25W
- △ Operating Time 30+ days after fully charged if activated by motion sensor
- △ Enclosure IP65
- △ Material UV-stabilized polycarbonate

School Zone Flasher

- △ Flashing Pattern Beacons alternating every 0.5 second
- △ Battery Capacity Dual, 20aH each
- △ Solar Panel Size 25W
- △ Timer Automatic DST (Daylight Saving Time) adjustment

Pedestrian/Bicyclist and Vehicle Detector (option)

- △ Sensor PIR motion sensor, wireless
- △ Communication 900 MHz radio frequency range (FCC certified, support multi-transmitters to multi-receivers wirelessly)
- △ Wireless Distance 1500 ft (sensor to beacon pole)
- △ Sensing Range 30 ft (sensor to pedestrians/bicyclists)
- △ Sensor Power Solar

Trail Counter and Data Download (option)

- △ Counting Method Motion sensor activation times
- △ Data Storage Onboard memory card (years of data)
- △ Data Format CSV with counts and timestamp
- △ Data Download Portable WiFi router and laptop

Migma Systems has developed an alternative product, Distributed Sensing Flashing Beacon (DSFB).

The sensor receiver is embedded inside the housing of flasher, drawing power from solar panel or solar battery. Using solar-powered detector, it flashes only when pedestrians/bicyclists who are waiting at mid-block curb are detected. Otherwise, it is off! The sensor response time is less than 1 second. Moreover the detector and beacon flasher can be installed on different poles or posts, making early detection possible.

Some vehicle drivers can be easily distracted by devices such as smart phones while driving. These distractions, caused by the use of various devices, are well documented, which is a rising cause of pedestrian and/or vehicle accidents and sometimes fatalities.

Migma's Distributed Sensing Flashing Beacon (DSFB) can make a positive difference! **(USPTO**

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