



# MigmaDSFB™ RRFB

## for Wireless Pedestrian Detection at Midblock Crossing



RRFB systems are often activated by pushbuttons. Statistically, during normal time, about 50% of pedestrians do not push the pushbuttons when going across crosswalks or intersections. It is expected that more and more pedestrians will no longer push the pushbuttons during and after pandemic, which could potentially increase pedestrian injuries or fatalities.

### Specification (MUTCD Compliant)

#### System Operation

- △ RRFB Style                      Single- or double-sided
- △ RRFB Dimension              3.5" H x 20" W x 2.6" D
- △ Flashing Rate                    75 flash cycles per minute (MUTCD)
- △ Night Dimming                 Option, but supported
- △ Operating Time                 14 rainy days after fully charged
- △ Weight                            20 lb.
- △ Enclosure                        NEMA Type 3R+ and IP55 Rated
- △ Material                         UV-stabilized polycarbonate
- △ Activation                        Pushbutton or wireless detector

#### Solar Panel and Battery

- △ Solar Panel Power              25W
- △ Battery Capacity                20Ahr

#### Detector

- △ Sensor                            PIR motion sensor
- △ Sensing Range                 30 ft (sensor to vehicle)
- △ Comm Distance                 1,500 ft (sensor to RRFB)
- △ Power                             Solar
- △ Communication                Wireless

#### Pushbutton & APS

- △ Pushbutton                      Regular mechanical button
- △ APS Button                      Campbell Guardian for RRFB
- △ Communication                Wireless radio & FCC certified
- △ Comm Controller               Transmitter & receiver with fixed frequency and onboard pairing
- △ RRFB Pairing                    Support pairing of 8+ RRFBs

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 who are waiting at midblock curb are detected. Otherwise, it is off! The sensor response time is less than 1 second. Moreover the detector and RRFB can be installed on different poles or posts.

Some vehicle drivers can be easily distracted by devices such as smart phones while driving. These distractions, caused by their devices, are well documented, a rising cause of pedestrian and/or vehicle accidents and sometimes fatalities. Migma Distributed Sensing Flashing Beacon can make a difference! **(USPTO Patent Number: 10,950,122)**



**Corporate Headquarters**  
Migma Systems, Inc.  
1600 Providence Highway  
Walpole, Massachusetts 02081

**Contact Information**  
Web: <http://www.migmapd.com>  
Sales: [sales@migmapd.com](mailto:sales@migmapd.com)  
Support: [support@migmapd.com](mailto:support@migmapd.com)  
Phone: 508-660-0328  
Fax: 508-660-0288

