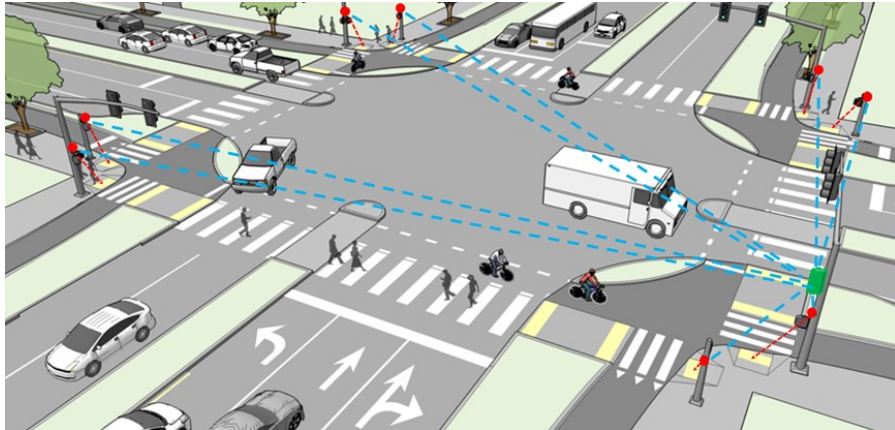




# MigmaDSFB™ — AutoButton

wireless automated pushbutton without pedestrian contact



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.

Migma Systems has developed an innovative and inexpensive product, AutoButton. As a supplement to the regular pushbuttons, it can detect the presence of pedestrians at curb cut and automatically place the ped calls for them. Using this product, pedestrians do not need to push the pushbuttons at signalized mid-block or intersection, which effectively improves pedestrian safety and, through eliminating signal recalls, increases the traffic flow.

AutoButton can also actuate ped signals such as RRFB or flashing signs on both sides of crosswalk through wireless radio communication, thus, eliminating the need of pulling cables through underground conduit. This built-in wireless communication capability makes the product easy to install and maintain. **(USPTO Patent Number: 10,950,122)**

## Specification

### Base Station

- △ Visual Indicator LED turned on after pedestrian detection
- △ Activation Time < 1 second
- △ Detection Zone Adjustable manually (no software)
- △ Power 100 - 240VAC (default) or 12VDC solar
- △ External Interface (1) Power wire to AC power or solar  
(2) Relay wire to pushbutton terminals
- △ Button Closure Time 1 - 10 seconds (configurable)
- △ Sensor Height: 7 - 13 ft
- △ Dimension 10" x 9" x 4"
- △ Enclosure NEMA Type 3R+ and IP55 Rated
- △ Temperature -13 °F - 140 °F (-25 °C - 60 °C)
- △ Humidity: 0% ~ 96%

### Pedestrian Detector

- △ Sensor PIR motion sensor, FCC compliant
- △ Power Solar with built-in small solar panel
- △ Sensing Range 30 ft (sensor to pedestrian)
- △ Comm Distance > 10,00 ft (sensor to base station)
- △ External Power If necessary, additional external solar panel can be attached

### Solar Power for Base Station (Option)

- △ Solar Panel 20W
- △ Battery Capacity 20aH
- △ Mounting Structure Mounting brackets suitable for any round poles and square posts



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