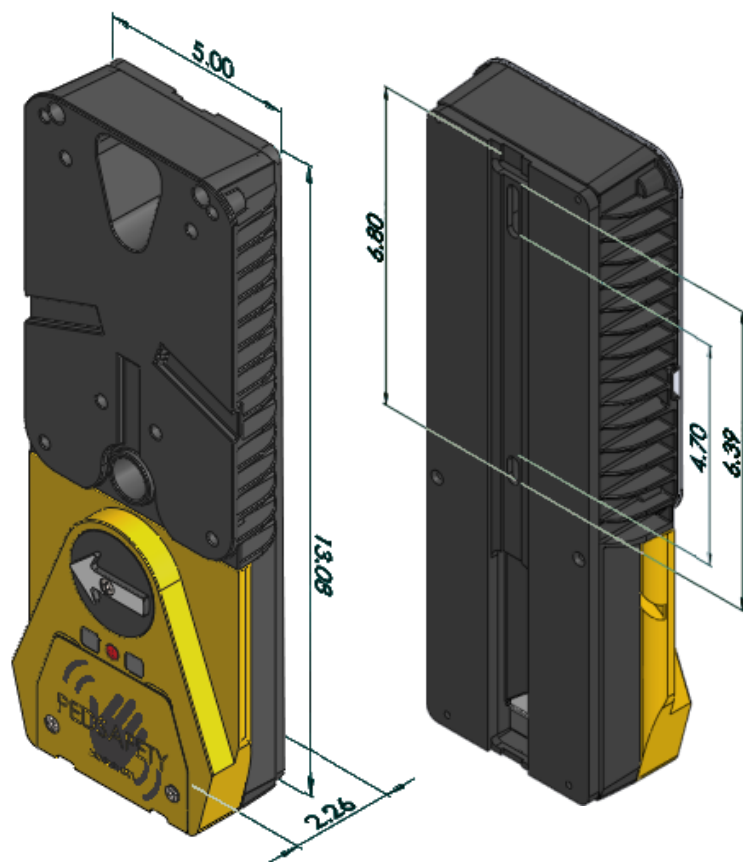




## Guardian™ RRFB Audible Information Device



Guardian™ RRFB shown with Wave option

**Guardian™ RRFB** is a fully PROWAG and MUTCD compliant Audible Information Device (AID). The Guardian RRFB has low power consumption ideal for any RRFB, especially solar powered systems. It is standardized with an ADA compliant 2-inch solid state push button and can be upgraded with PedSafety's "Wave" touchless actuation feature. All sounds emanate from the front and side of the station where the pedestrian is positioned to enter the crossing.

**PedSafety's Wave** sensor supplements the physical pushbutton with touchless activation capability while maintaining solar-optimized power consumption. The Wave sensor has a proven track record of reliable operation in all weather conditions. Simply waving a hand 1-6" in front of the sensor will place a call to initiate the flashing lights and provide all the essential AID requirements laid out by PROWAG and the MUTCD.

**Bluetooth®** is an optional add-on module that allows the agency to configure the push button settings wirelessly with a Bluetooth® enabled smart device via the **PedConnex™** app.

### Key Features

- PedConnex™ and PedConnex™ Mobile App are downloadable software applications for USB and Bluetooth® interface allowing configuration and customization. (Windows, Android, iOS)
- Secure USB Android connection with PedConnex™ mobile App for non-Bluetooth applications
- Out of the box, on to the pole, pre-programmed, and customized for plug and play installation
- Configuration profiles and settings can be saved and downloaded for quick button set-up and recovery in knockdown situations or configured and saved for future deployments
- Quiet Signal Technology (QST™) includes firmware settings for time-of-day functionality combined with port baffles that provide sound directionality – not 360° uncontrolled broadcasting
- Audible information may be localized to the activated button or synchronized from both sides of the crossing.
- Pair with Pedsafety's Audible Beacon Device (ABD) speaker for additional volume on large crossings
- Low power consumption optimized for solar RRFBs applications

### Wave Features

- Sensor operates independently from physical push button
- Active Infrared Technology features configurable detection range options including 1-3", 1-6", & 1"-9", as well as configurable sensitivity.
- Wave sensor is reliable in extreme weather – rain, snow, fog, hail, ice, and other inclement conditions do not affect detection or cause false calls



## Operating Specifications

| Parameter                   | Rating                              |
|-----------------------------|-------------------------------------|
| Operating Temperature Range | -34°C to +74°C -30 °F to +165°F     |
| Operating Force             | 3.0 lb maximum                      |
| MTBF                        | 1,200,000 hrs. (136 years)          |
| Switch Operating Life       | Greater than 100 million operations |
| Maximum Volume              | 100 dB @ 1 meter                    |

## Design Compliance

| Test Type                      | Compliance                             |
|--------------------------------|--|
| Functionality                  | MUTCD 11th Edition Chapters 4K, 4L     |
| Temperature and Humidity       | NEMA TS2                               |
| Mechanical Shock and Vibration | NEMA TS2                               |
| Transient Voltage Protection   | NEMA TS2, IEC 61000-4-4, IEC 61000-4-5 |
| Electronic Noise               | FCC Title 47, Part 15 Class B          |
| Guardian PBS enclosure         | NEMA 250 – Type 4X                     |
| Bluetooth® Specification       | Bluetooth® SIG member                  |

All certifications performed by certified independent testing laboratories

### Notes:

- Applicable sections only of referenced standards
- All specifications are subject to change without notice
- All specifications are typical unless otherwise specified

## Please specify part number:

|   |           |
|---|-----------|
| Guardian RRFB w/ 5" x 7.75" sign                    | 501-0811R |
| Guardian Wave RRFB (Push Button) w/ 5" x 7.75" sign | 501-0821R |

|                   |          |
|-------------------|----------|
| Bluetooth® Add-on | 501-0652 |
|-------------------|----------|

## Please specify the following five attributes:

| 1. Color <sup>1</sup> | 2. Screw Type      | 3. Arrow type         |
|-----------------------|--------------------|-----------------------|
| Textured Black        | Standard Phillips  | Field Selectable (FS) |
| Federal Yellow        | Pinned Torx (T)    | Double Arrow (DA)     |
| Gloss Black           | Allen Head (Allen) | No Arrow (NA)         |
| Unpainted/Natural     |                    |                       |
| Other (specify)       |                    |                       |

<sup>1</sup>Color applies to faceplate only; thermoplastic back and aluminum backplate are black

| 4. Sign Film      | 6. Sign Legend |
|-------------------|----------------|
| Engineering Grade |                |
| Diamond Grade     |                |
| Decals EG & DG    |                |
| Braille 2         |                |
| 5. Adapter Plates |                |
| 9" x 12"          |                |
| 9" x 15"          |                |