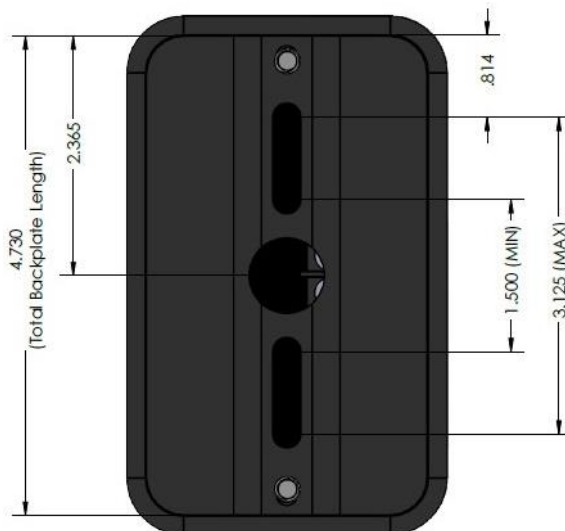
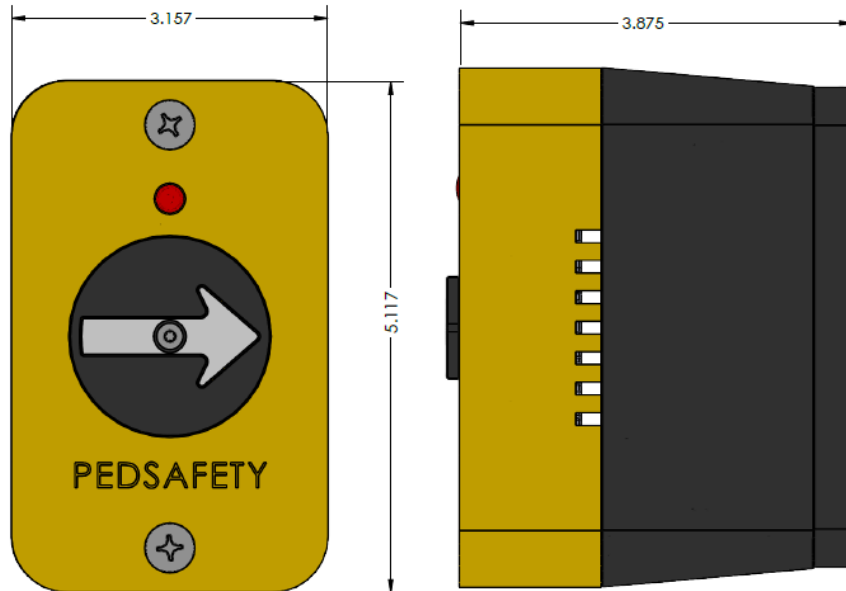




## Guardian® Mini



The **Guardian® Mini** is an independent 4-wire accessible pedestrian signal that is shipped to users ready to install out of the box. It does not require any additional equipment in the traffic control cabinet. It uses a four-conductor cable to link the **Signal Power Interface (SPI)** in the pedestrian signal head to the pedestrian station, now compatible with 48 VDC cabinets, while your standard field wires run from the button to the cabinet. The **Guardian® Mini's** housing is crafted from solid 6061 T6 aluminum, injection-molded thermoplastic, and stainless-steel materials, rendering it virtually vandal-proof.

The **Guardian® Mini** is designed to upgrade the existing standard 2-inch pedestrian push-button intersections to advanced APS intersections without the need for additional drilling. This innovative design streamlines the process of bringing intersections up to date with the latest PROWAG Guidelines (effective as of September 7, 2023), by offering a straightforward and budget-friendly solution.

The **Guardian® Mini** not only meets ADA compliance standards but is also engineered to endure significant impacts. It provides essential information and audible indications required by the MUTCD, ADA, and TAC, making the intersection accessible for all pedestrians. Moreover, the inclusion of Bluetooth® technology enables seamless wireless configuration updates through the user-friendly **PedConnex®** utility, which is compatible with both Android and iOS platforms.

### Key Features:

- **PedConnex®** utility and **PedConnex®** mobile app are downloadable software applications for both USB and Bluetooth® interfaces allowing for simple configuration and customization across Windows, iOS, or Android
- Utilize a secure USB-C connection for **PedConnex®** usage in non-Bluetooth® applications.
- **PedConnex®** utilities are password protected
- No firmware is necessary to download at the time of installation
- Mounts to any existing 2-inch ADA pedestrian push button holes for easy retrofits
- Pre-programmed and customized for true plug-and-play installation
- Configuration profiles can be saved and downloaded for future use or knockdowns
- Audible gain control (AGC) for ambient sound and active AGC in the walk cycle features
- Quiet Signal Technology (QST) includes firmware settings for the time of day, day of the week, and daylight savings time functionality
- Low power consumption makes it ideal for all RRFBs
- **Fully MUTCD, ADA, PROWAG, TAC, and Buy America Compliant**



## 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 m.

## Design Compliance

Test Type	Compliance
Functionality	MUTCD 2009 - 4 E
Temperature and Humidity	NEMA TS2
Transient Voltage Protection	NEMA TS2
Transient Suppression	IEC 61000-4-4, IEC 61000-4-5
Electronic Noise	FCC Title 47, Part 15 Class B
Mechanical Shock and Vibration	NEMA TS2
Guardian Mini PBS enclosure	NEMA 250 – Type 4X
Electrical Reliability	NEMA TS4

All certifications performed by Certified Independent Testing Laboratories.

Notes:

1. Applicable sections only of referenced standards
2. All specifications are subject to change without notice
3. All Specification are Typical unless otherwise specified

## Please specify part number:

Description	Part Number
Guardian Mini	501-0711C

Signal Power Interface (SPI) 120 AC	501-0300
Signal Power Interface (SPI) 48 VDC	501-0303

Bluetooth® Add-on	501-0652
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## 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		
Caltrans Yellow		
Other (specify)		

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

4. Sign Legend <sup>2</sup>	5. Sign Film
	Engineering Grade Diamond Grade Decals EG & DG Braille 2

<sup>2</sup>Specify MUTCD sign at time of purchase

