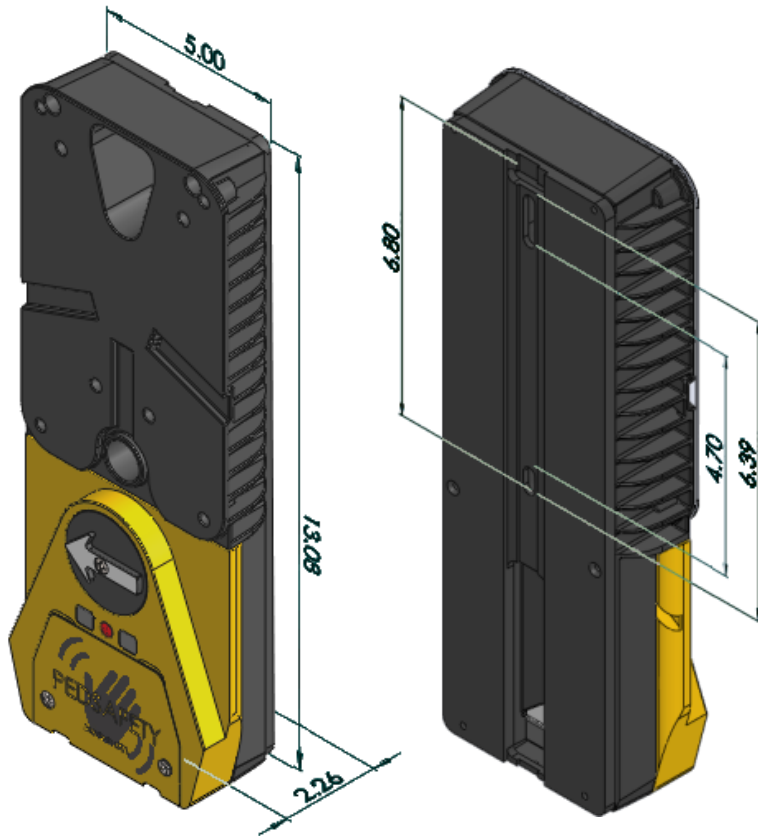




Wireless Advanced APS



**Wireless Advanced Push Button (WiAPB)
shown with Wave option**

The Wireless Advanced APS is the first of its kind to use a wireless radio communications network to provide flexible, reliable, and secure delivery of data in a mesh network. The Wireless APB can be powered via existing field wires or independently from Signal Pedestrian Head using our Signal Power Interface (SPI) when field wires are not available. Now capable of interfacing with low voltage 48 VDC cabinets. The Wireless Controller's web-based utility can be remotely accessed for monitoring, station configuration, data collection, and troubleshooting through an ethernet connection. The push button housing is virtually vandal proof. An ADA compliant piezo driven push button is provided for typical actuation or through and independent touchless actuation. All sounds emanate from the front and side of the station where the pedestrian is positioned to enter the crosswalk.

PedSafety's™ Wave touchless actuation sensor is superior in extreme weather conditions. Simply waving a hand 1-6" in front of the sensor will place a call for a walk cycle and provide all the essential information and indications required by the MUTCD and TAC.

Key Features

- 900 MHz Narrow Band radio communication between controller and station -true wireless communication
- Wireless APS can be powered via existing field wires or independently from Signal Pedestrian Head using PedSafety's™ Signal Power Interface (SPI) when field wires are not available
- DigiMesh® Networking protocol provides redundancy and security in the relay of information between stations and controller
- Wireless communication / programming via wi-fi dongle through Wireless Controller's ethernet connection allows for control of system through handheld smart devices
- Cabinets connected to agencies network allows for data collection, system monitoring, station configuration, and troubleshooting to be handled through ethernet connection and IP address accessed from desktop
- Control up to 16 stations and 8 phases – Pre-emption output ready
- Compatible with safe touch 48 VDC Cabinets
- Out of the box, on to the pole, pre-programmed, and customized for plug and play installation at the intersection
- Quiet Signal Technology (QST™) includes firmware settings for time of day functionality combined with port baffles that provide sound directionality – not 360° uncontrolled broadcasting
- Sync Call activation available for Pedestrian Phase
- Clearance Mode: Destination Beaconing, Countdown, and Always-On are selectable features
- Automatic gain control adjusts for ambient noise levels
- Agency or factory generated audible indication files are easily uploaded to the APC and transferred via network or via USB to the APB using the PedConnex™ app

Wave Features

- Sensor operates independently from physical push button
- Active Infrared Technology allows for sensitivity and detection range control 1-3", 1-6", & 1"-9"
- Wave sensor is reliable in extreme weather – rain or snow does not affect detection



Operating Specifications

Parameter	Rating
Operating Temperature Range	-34°C to +74°C -30 °F to +165°F
Operating Force	3.0 lb maximum
Switch Operating Life	Greater than 100 million operations
Maximum Volume	100 dB @ 1 meter

Design Compliance

Test Type	Compliance
Functionality	MUTCD 2009 - 4E
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
WiAAPS PBS enclosure	NEMA 250 – Type 4X
Electrical Reliability	NEMA TS4

All certifications performed by certified independent testing laboratories

Please specify part number:

WiAPB (Push Button)	501-0901C
WiAPB Wave (Push Button)	501-0921C
WiAPC (Controller)	501-0910

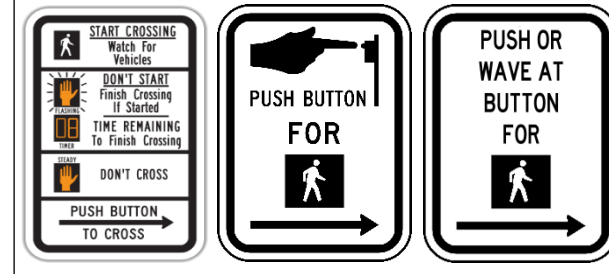
Signal Power Interface (SPI) 120 AC	501-0300
Signal Power Interface (SPI) 48 VDC	501-0303

Please specify the following five attributes:

1. Color ¹	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)		

¹Color applies to faceplate only; thermoplastic back and aluminum backplate are black

4. Sign Legend²



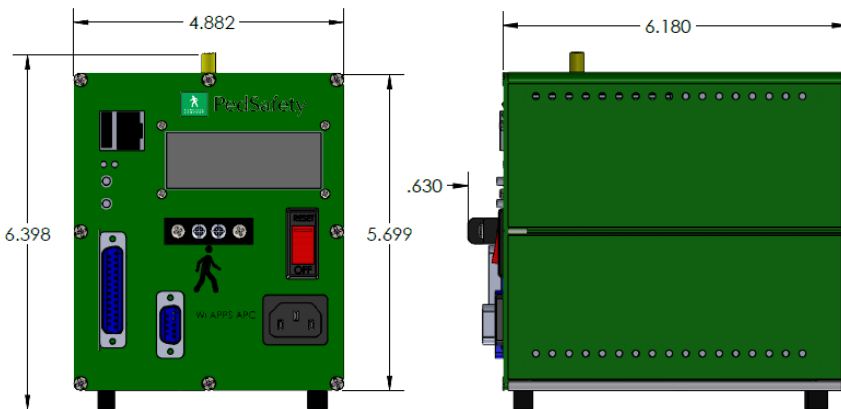
²Specify MUTCD sign at time of purchase

5. Sign Film

Engineering Grade
Diamond Grade
Decals EG & DG
Braille 2

Notes:

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



Wireless Advanced Pedestrian Controller (WiAPC)