

INNOVATING A SAFER WORLD

Improving
Navigation
and Crossings,
Campbell
Company's
**ultramodern
APS technology**
delivers
**safety,
simplicity,
reliability
and
cost effectiveness.**



- Complete APS solution
- Simple & flexible configuration
- No software to purchase
- Convert Pre-timed Intersection into fully actuated
- Independent station (4 wire)
- Ped count/ Call data



Pedestrians are finding it more challenging to cross safely at signalized intersections. The Guardian provides important cues to assist all pedestrians to cross the intersection safely by providing audible, tactile, and visual indications at the crosswalk. A locator tone tells a pedestrian that the crossing is equipped with APS and where it can be found. The acknowledgement tone and visual LED indication accompany a pedestrian call. An extended press provides specific intersection information and access to additional functions. The walk tone or message is accompanied by a vibro-tactile indication during the visual walk display. Optional clearance phase indications may provide additional information to the pedestrian where appropriate. Includes Ambient Gain Control (AGC).

KEY BENEFITS & FEATURES

- Independent Locations
- USB Interface
- Ped Count / Call data
- Data Collection
- 4-wire Interface
- Simple Menu Utility
- 1:1 Ped Display to AGPS
- Night Mode Volume
- Configuration Templates
- NEMA TS 2 Certified
- No devices in cabinet
- Sound Directionality
- Event Tracking Log
- Meets MUTCD Guidelines
- Simple & easy install
- Station Angle Adjust

DESIGNED FOR THE AGENCY

- Designed for flexibility and ease of use.
- Each station can be configured at the factory or in the field. Software with GUI interfaces guide technicians through programming and configurations with "roll-over" help menus.
- Night mode volume controls with Quiet Signals Technology. Accommodate residential and evening business.
- Agencies can identify specific parameters for residential, retail, and industrial areas and save them as a configuration templates.
- Campbell's Simple Field Programmer (SFP) hand held configurator allows one button press configuration.
- Designed to also work properly with:
 - RRFBs, Solar Mid-Block crossings, Passive pedestrian detectors, Non-pedestrian actuated downtown core areas.

PARAMETER	
BS Size	5 x 13.75 x 1.75"
BS Weight	7.0 lbs
400	5 X 9" Rectangle Insert
Power (rest)	1/3 watt @ 12 VDC
Current (rest)	25 mA @ 12 VDC
Max Power	8.4 W
Switch life	100 x 10 ⁶
Operational force	< 3lbf
Operating Temp	-40C to +85C
Max Volume	100dB @ 1m
AGC Range	Adjustable 0 – 5dB over ambient
Audio Output	Default plus 4 options
LED	3000 mcd, 160 degree viewing angle
Volume control	Fully adjustable, independent channels
Reporting	Pedestrian Usage, Event Logging, System Evaluation
Synchronicity	Beaconing, Group Walk
Night Mode	Volume, Recall, or complete configuration.
Selectable Options (options selected via lap top USB connection via a menu drive utility)	EP APS, Vib Pulse Call, Recall, Beaconing, Group Walk, Walk time out, Locator Tempo, EP Time, Vib Intensity
Sign Sizes	5 X 7.75", 5 X 9", 9 X 12", 9 X 15"
Warranty	3 year
TEST TYPE	COMPLIANCE
Functionality	MUTCD 4E, TAC
Transient Voltage Protection Mechanical Shock and Vibration	NEMA TS2

INSTALLATION

Ready to install, out of the box, a four conductor cable connects to the Signal Power Interface (SPI) in the pedestrian signal head. Aesthetically pleasing extension brackets and mounting hardware are available allowing stations to be mounted within accessibility guidelines.

CONFIGURATION	TYPE
Interface	Windows Utility
Audio File Update	USB
Data Format	CSV
Firmware Upgrade	USB

PARAMETER (SPI)	RATING
Input voltage	85 -135 VAC 220 VAC
Output voltage	12V DC
Connection	4 wire
Dimension	2.75" x 3.5" x 1.875"

