



Advisor Guide Accessible Pedestrian Station (AGPS) Light Rail - Base Broadcast Unit (BBU)

Overview



AGPS BBU

In traffic applications, the AGPS BBU provides important information to assist all pedestrians in crossing the intersection with audible indications when the “Walk Display” is active.

In light rail applications, BBU provides important information to assist pedestrians in navigating the transit platforms. The BBU is designed to work in areas where there is no pedestrian activation.

Independent Station

In traffic applications the AGPS BBU requires a “driver” in the pedestrian display and a Base Broadcast Unit to be mounted to the underside of the display. Audible walk indications are broadcast from a position above the pedestrian initiation point during the visual walk display. Optional clearance phase indications may provide additional information to the pedestrian where appropriate.

Light rail applications require inputs to the driver to indicate the state of the platform movement that dictates the instructions to be broadcast. Base Broadcast Units are placed to maximize the effect of the indications and monitor ambient noise for Ambient Gain Compensation (AGC).

Agency Benefits

The AGPS BBU is designed around flexibility and ease of use. Each BBU is configured at the factory, but customization is simply obtained by utilizing any laptop with a USB connection. A menu driven utility guides the user through set up and downloads. Night mode volume controls incorporate Quiet Signals Technology to accommodate residential and evening business considerations.



AGPS BBU Driver

FEATURES

- Night Mode Volume
- Simple Installation

KEY BENEFITS

- Independent Locations
- USB Laptop Interface
- Simple Menu Utility
- NEMA TS 2 Certified



Verisys
Registrars®
ISO 9001:2008
Certified



Installation



The BBU Driver is enclosed in a machined enclosure that is designed to mount to pre-drilled holes in the pedestrian display. It is connected to the W, DW, and Cmn terminals in the display. The BBU is attached under the display near the pedestrian initiation point and connections are made to a barrier terminal strip on the BBU Driver enclosure. Light rail installation is dependent on the type of system it is installed in.

Configuration	Type
Interface	Windows Utility
Audio File update	USB
Data Format	CSV
Firmware Upgrade	USB

Technical Specification



Parameter	Rating
BBU Driver Size	4 x 10 x 1 ½"
BBU Driver Weight	2.0 lbs
Power (rest)	2.2W @ 120 VAC
Current (rest)	18 mA @ 120 VAC
Max Power	8.4 W
BBU Size	3.25" OD
Operating Temp Range	-40C to +85C
Max Volume	100dB @ 1m
AGC Range	Adjustable 0 - 5dB over ambient
Audio Output Options	Default plus 4 options
Volume control	Fully adjustable, independent channels
Night Mode	Volume, Recall
Warranty	3 year

Parameter (SPI)	Rating
Input voltage	85 -135 VAC 220 VAC
Output voltage	12V DC

Test Type	Compliance
Functionality	MUTCD 2009 4E, TAC
Transient Voltage Protection	NEMA TS2
Mechanical Shock and Vibration	NEMA TS2

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Additional information can be found at: www.pedsafety.com