

ADVISOR APS

ADVISOR ACCESSIBLE PEDESTRIAN SIGNAL

Round PPB 5 X 7 3/4" Sign
Round PPB 9 X 12" Sign
Rectangle PPB H Frame

Operating Description:

Advisor Accessible Pedestrian Signals provide pedestrians with visual, tactile, and audible information about the intersection crossing, at the pedestrian station. Advisor provides the necessary information to understand the status of the walk display.

Audible: Locator tone, tells the pedestrian that the intersection is equipped with APS and where it is.

Acknowledge tone, tells the pedestrian that they have placed the call.

Informational message, tells the pedestrian about the crossing.

Walk Cycle message, tells the pedestrian when the Walk Sign is on. Each board has three walk cycle messages; Chirp, Cuckoo, and Custom message

Visual: A red LED is lit when the pedestrian has placed a call.

Tactile: The directional vibro-tactile arrow becomes active with the Walk Sign.

Components:

The Advisor consists of three separate components.

Pedestrian Station, A57, A912 or AH contain the pedestrian push button with LED, Vibro-tactile arrow, and speaker.

The driver board mounts in the ped head and connects to the controller inputs. A sound dish mounts to the bottom of the ped head, it monitors ambient noise levels at the crossing initiation point. The sound dish provides input to the driver board's Ambient Gain Control algorithms that adjust the audible outputs to match environmental volume levels.

Installation:

No special tools or programming devices are required to install the Advisor.

The driver board installs in the ped head and is connected to the display incoming power.

The sound dish is installed through the bottom of the ped head.

The pedestrian station is attached to the pole.

The controller inputs and 10 C cable are plugged into the back of the PPB.



Advisor Driver Board



A912



A57



AH

Three modes of operation allow the agency to select the functioning characteristics of the APS unit.

Default Mode:

1. The locator tone indicates to the pedestrian that the intersection is equipped with APS and identifies the location of the pedestrian station. The locator tone is the default state.
2. The pedestrian is given an acknowledgement message when a call is placed (the ppb is pressed). A red LED is lit to indicate the call has been placed and the audible signal reverts back to the locator tone after the acknowledgement tone of message. With an extended press of the ppb a push button message to inform the pedestrian of location information is presented.
3. When the walk cycle is initiated the following takes place:
 - a. The audible walk cycle signal is initiated.
 - b. The vibro-tactile signal is initiated.
 - c. The LED is turned off.
4. At the end of the walk cycle the device defaults back to the locator tone.

Extended Press Volume Increase: (EPVI)

The functions are the same as the default mode with the addition of a 5 db increase in audible signals for one cycle with an extended push button press.

Accessible Pedestrian Signals on Request: (EPAPS)

This mode provides APS on demand.

Momentary press – LED no audible acknowledgement – no APS

Extended Press – Functions are the same as the default mode for one cycle.

Materials:

A57	Bezel	AL
	Sign	UHMWPE or Enameled AL
	PPB	AL
	Ped Stn	AL
AH	H Frame	AL
	PPB	AL - SS

Functions:

Tones:	
Locator	880 Hz, .1 second duration, 1 Hz repetition
Acknowledgement	"Wait" is the default
Location	"Wait to cross (Street Name)" is the default
Walk Phase	Chirp, Cuckoo (Street Name) walk sign is on to cross
Visual	LED is lit when call is placed, resets with walk phase
Tactile	Vibro-tactile directional arrow during walk phase

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