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# E-Configurator Manual

The E-Configurator is a battery operated hand-held device for making changes to the operating characteristics of Polara Navigator and EZ Communicator Push Button Stations (EPBS). It uses two-way infrared communication while being held in front of an EPBS and pointed toward the red LED above the EPBS arrow button. The older model Configurator has a black case while the updated E-Configurator has a gray case. The E-Configurator is backward compatible with older Navigator units, **but older Configurators are not compatible with EZ Communicator systems operating in EN2 mode.** This figure shows the most commonly used functions for each of the keys on the front of the E-Configurator.


**E-Configurator Operation - Getting Started**

The EPBS should be powered on and operating. There should be an audible response when the EPBS button is pressed. Normally, a locate tone will be heard.

Hold the E-Configurator in front of the EPBS such that the Transmit and Receive Lenses are aimed toward the red LED lens above the EPBS arrow button. A good working distance is 4 to 6 inches. If bright sunlight is shining on the LED lens or the E-Configurator lenses, use your body, or an assistant, to provide shade. Press the POWER key. The E-Configurator will attempt to communicate with the EPBS. It is a good idea to hold the unit steady while it is operating. When communication is successful, you will be asked for a four character security code. The factory supplied code is AAAA. To change a character, use the Left/Right Arrow keys. To accept a character, press the Down Arrow key. Do this for each character. After the fourth Down Arrow,

the code is checked for a match. The EPBS will compare the system security code with the code entered on the E-Configurator. If the code matches, you will have an opportunity to change the code. Press NO to continue on without any change. Press YES if you want to change to a new security code at this time. Entering a new code uses the same technique just described, using the Left/Right and Down keys. It is necessary to use a security code different from the default AAAA. Failure to change the code will cause a periodic message to play — "CHANGE PASSWORD".

**What to do if MATCH FAILS**

If "MATCH FAILS" using the E-Configurator, the first response to this should be to turn the E-Configurator off. Wait for the Locate tone to return, then try once more. If the next attempt fails, then try powering down the system for a few seconds to reset it. Try using other EPBSs on the intersection. If all attempts on all EPBSs consistently fail, then it is likely the code is actually different from what is expected. If the code was changed or corrupted and it is now unknown, there is a method available to reset to default. It will be necessary to connect a PC to the system and run Polara's EZ APS Toolbox software. The security page provides the instructions to complete this procedure, which includes contacting Polara for a special code. If you get a code match at any EPBS, then you have the correct security code, and failure at one or more EPBSs is caused by some other issue preventing the normal communication between the CCU2EN and the EPBS. If only one EPBS fails, the problem could be either the EPBS or the wired connection to the CCU2EN. The EPBS can be checked by connecting it using known good wiring.

**E-Configurator Operation - Mode and Version Display**

After the security code entry is finished, the E-Configurator displays a device mode and a version. The device mode identifies the PBS type as follows:

N2 — Original 2-Wire Navigator or EZ Comm 2-Wire Navigator operating in N2 mode

N4 — Original 4-Wire Navigator

EN2 — EZ Communicator 2-Wire Navigator

EN4 — EZ Communicator 4-Wire Navigator

The version number displayed represents the firmware version of the Main control IC in the unit. This may be different than the version marked on the outside of the unit, which may represent a composite version number based on all of the programmable devices in the unit.

**E-Configurator Operation - Setting the ID**

Each EPBS must have its own unique ID. Once communication is established with a button (after version display is complete), the display shows the dialog for setting the ID. If the ID was previously set you will see a letter and number between 1 and 4. If this does not need to be changed, simply press the Down Arrow key. If the ID has not been prevously set you will see "None-Must Set ID". To set/change an ID use the Right/Left (<Yes/No>) Arrow keys to select a number between 1 and 4, then push the Down Arrow key to enter your selection.

**E-Configurator Operation — Browse Mode**

When the E-Configurator is powered on, it sends data for an EPBS and expects a response. If no EPBS is available, the E-Configurator switches to Browse Mode if no response is received within about 10 seconds. Browse Mode will not attempt to communicate with an EPBS, but otherwise, all functions are available. You may read and save data using the built in storage locations, and browse the various menu item options. The device mode will default to EN2, where the largest number of menu options is available. Browse Mode may be cancelled by turning off the power using the Power key. If you are in Browse Mode and want to start working with an EPBS, you

may skip the power off and press the UP key only if the display reads “PRESS EITHER READ SETTINGS” and while the E-Configurator is pointing at an operating EPBS.

## E-Configurator Operation — Loading and Saving Configuration Settings

After the startup dialog, the display will show “PRESS EITHER READ SETTINGS”. This is where configuration options may be changed. The E-Configurator has seven internal storage locations, each of which holds one complete set of configuration data for all versions of Polara Navigator Push Button Stations (PBS or EPBS). Three of these are read-only and are identified as Default 1, Default 2, and Default 3. The remaining four are identified as User 1, User 2, User 3, and User 4. They are accessed by using the PBS Read Settings key and PBS Update Settings key. The PBS Read Settings key provides a list of sources for retrieving a set of configuration data. The PBS Update Settings key provides a list of available destinations for the data. The source or destination can be an EPBS or a storage location. After pressing the Read or Update key, the first option is displayed. The other options may be viewed by pressing the Left and Right Arrow keys. Pressing the Down Arrow key selects the displayed option. When a source is selected, the data from that source is transferred into the Working Area. In the Working Area, all the available settings and options may be viewed and changed as desired. While in the Working Area, the UP and DOWN keys move through the individual MENU items and the YES and NO keys display the various options for the current MENU item. If you change an option, then press an UP or DOWN key, the data in the Working Area is changed. When the settings match your preferences, the Update key will allow transfer of the new settings in the Working Area to the destination of your choice.

During the Update process, it is not always the case that every setting is updated. When the source is a storage location, every setting is automatically flagged for update. When the source is an EPBS, no settings are initially flagged. Only those MENU items where a Left/Right key was operated following the read, are flagged for update. If you need to copy all the settings from one EPBS to another, then use the procedure in the first two examples listed below.

When the Update process is complete the display returns to “PRESS EITHER READ SETTINGS”.

### Saving the configuration from an EPBS to a User storage location

1. Press the PBS Read Settings key. The display will show “FROM THIS PBS”. Press the Down Arrow key. The EPBS’s settings are loaded into the E-Configurator Working Area. Press the Up/Down keys to review the settings to make sure the desired options are displayed.
2. Once you have reviewed/made all setting changes, and are ready to store them, press the PBS Update Settings key. The display will show “ONLY THIS PBS”. Press the Left/Right (YES/NO) keys until the display shows your preferred User location (1 — 4). Press the Down Arrow key. The settings are saved in that location.

### Configuring an EPBS from a User storage location

1. Press the PBS Read Settings key. The display will show “FROM THIS PBS”. Press the Left/Right (YES/NO) keys until the display shows the User location where you previously stored the desired settings for the current EPBS. Press the Down Arrow key. The settings are transferred into the Working Area of the E-Configurator. Press the Up/Down keys to review the settings to make sure the desired options are displayed.
2. Once you have reviewed/made all setting changes, and are ready to store them, press the PBS Update Settings key. The display will show “ONLY THIS PBS”. Press the Down Arrow key. The settings are transferred to the EPBS.

## E-Configurator Operation — Power Off

The E-Configurator may be powered off by pressing the Power key. This brings up a confirmation screen. Press YES to power off or NO to cancel. The E-Configurator has an automatic power-off feature which will shut down after 30 seconds of no activity after disconnection from an EPBS.

## E-Configurator Operation – System Status

The System Status feature shown at the bottom of the E-Configurator, which was accessed by pressing and holding the HELP key, is not implemented in the EZ Communicator EPBS. The E-Configurator does still have the ability to read the system's status but only when used with the older N2 Navigator.

## System Configuration

The following applies to EPBS and a CCU2EN set to the EN2 mode. These setting options may be accessed using either an E-Configurator or a PC with Polara's EZ APS ToolBox software:

In the following menu options list, where upper and lower case letters are mixed, the upper case letters represent the abbreviated display as viewed on the E-Configurator.

### VOLUME SETTINGS

The volume levels are entered as a percent from 0% to 100%. The volume difference between 0% and 100% is 60dB. The steps are 5% which represents a volume change of approximately 3dB.

LOCATE VOLume MINimum
This function adjusts the minimum level at which the LOCATE Sound will be played. The Auto Volume adjustment will not go below this setting.
This volume level is adjustable from 0% to 75% of the maximum volume output in 5% steps. (16 choices) (Default = 0%)
Pressing the MENU DOWN button at the desired choice will remember your choice and move on to the next menu item. You can also push Menu Up key and work backwards through the list.

LOCATE VOLume MAXimum
This function adjusts the maximum level that the LOCATE Sound will go up to. The Auto Volume adjustment will not go above this setting.
This volume level is adjustable from 25% to 100% of the maximum volume output in 5% steps. (16 choices)
(Default = 50%)

INFOrmation MeSsaGe VOLume MINimum
This function adjusts the minimum level for the information message and button confirmation "tick" sound. The message and tick will never play at less than this level, which can be set from 0% to 100% in 5% steps. (21 choices)
(Default = 65%)

STandarD WALK VOLume MINimum
This function adjusts the minimum volume level for the WALK Sound. The Auto Volume adjustment will not go below this setting.
This volume level is adjustable from 0% to 75% of the maximum volume output in 5% steps. (16 choices)
(Default = 30%)

STandarD WALK VOLume MAXimum
This function adjusts the maximum volume level for the WALK Sound. The Auto Volume adjustment will not go above this setting.
This volume level is adjustable from 25% to 100% of the maximum volume output in 5% steps. (16 choices)
(Default = 60%)

EXTended (Push) WALK VOLume MINimum

This function adjusts the minimum volume level for the WALK Sound following an extended push. The Auto Volume adjustment will not go below this setting.
This volume level is adjustable from 0% to 75% of the maximum volume output in 5% steps. (16 choices)
(Default = 60%)

EXTended (Push) WALK VOLume MAXimum
This function adjusts the maximum volume level for the WALK Sound following an extended push. The Auto Volume adjustment will not go above this setting.
This volume level is adjustable from 25% to 100% of the maximum volume output in 5% steps. (16 choices)
(Default = 80%)

VOLume OVER AMBIENT
This function can increase the playback volume of all sounds except the locate tone, relative to the measured ambient sound pressure, but still be constrained within the set Minimum and Maximum settings. This compensation function is adjustable from 0dB to 10dB over ambient in 5dB steps. Seldom should you ever need to use a setting higher than 0dB or +5dB.
(Default = 0dB)

LOCate Tone VOLume OVER AMBient
This setting raises or lowers the volume of the locate tone with respect to the ambient noise level. The choices are -24dB, -18dB, -12dB, -6dB, -3dB, 0dB, +3dB, +6dB. (8 choices)
(Default = 0dB)

**WALK INTERVAL SOUND OPTIONS**

WALK MODE SOUND
This function selects the preferred sound played during the Walk phase.
The following 14 choices are as follows:
NONE, CUCKOO (North/South), CHIRP (East/West), STandarD MesSaGe (Rapid Tick #4), CUSTOM MesSaGe 1, CUSTOM MesSaGe 2 (“Walk Sign is On”), CUSTOM MesSaGe 3, WALK SIGN is on for ALL Xs (Crossings), RAPID TICK 1, RAPID TICK 2, RAPID TICK 3, CANadian MELODY, AUSTRALIAN Melody,
(Default = STandarD MesSaGe (Rapid Tick #4))

**Special Note:** If you select any of the above options listed after Custom Message 1, then change the operating mode from EN2 to N2, the Walk Mode Sound option will change to Standard Message.

WALK SOUND PAUSE
This function selects the length of silence between the WALK Sounds.
The choices are:
.5 second to 3 seconds in .5 second steps and 3-10 seconds in 1 second steps.
(Default = .5 Second)

WALK SOUND TRIGger
This function selects the condition that will play Walk Sounds at the next pedestrian walk cycle. If no trigger event takes place, Locate Tone continues to play as in the Don’t Walk period. The choices are:
ALWAYS ON (Recall Mode Conditions — Plays every walk cycle)
ANY PUSH (Short or Extended Button Push)
EXTended PUSH (Extended Push Only)
**Note: Do not use Extended Push on crosswalks set to rest in walk. If a blind person does not push and hold the button, and if a car never triggers the cross street, they could possibly not receive a walk indication.**
(Default = ANY PUSH)

SOUND/VIBration TIMER
This function selects the number of times (1, 2 or 3) or the length of time in seconds the WALK Sound or Message is played. Use this function to limit the sound

time for Rest in Walk situations, or to limit the Walk sound time in the event of a system failure.
(Default = 20 SECONDS)

The Sound/Vibration Time setting can optionally shorten the amount of time the walk sound plays and the button vibrates during the walk sign. There is no option that will extend the sound/vibration. Only a serious malfunction can result in an extended sound or vibration beyond the end of the walk sign. There are settings available that can help reduce the risk to pedestrians in the event of such a malfunction.

The options available for Sound/Vibration Time are:

1. **Full Walk:** The selected walk sound will repeat until the walk sign ends. This option includes an automatic safety feature that limits the sound and vibration to the shorter of the last two Walk intervals + two seconds. On power-up this limits is initialized to 50 seconds.
2. **1 Message:** The selected walk sound will play one time, or until the walk sign ends, whichever occurs first.
3. **2 Messages:** The selected walk sound will play two times, or until the walk sign ends, whichever occurs first.
4. **3 Messages:** The selected walk sound will play three times, or until the walk sign ends, whichever occurs first.
5. **Time in seconds from 4 – 50:** The selected walk sound will play through the amount of time specified, or until the walk sign ends, whichever occurs first. Polara recommends using this option and specifying a value that is two seconds longer than the Walk interval.

   For each of the above options, if Cancel on Clearance is set to YES (default = YES), any currently playing sound clip will be truncated at the time the walk sign ends. Otherwise, the currently playing sound clip will complete. The repetition period for the walk sound will be the length of the sound clip plus the selected Walk Sound Pause time. The button vibration time is synchronized with the sound time.

SOUND/VIBration RETRIGger
This function is primarily used when Menu Item SOUND/VIB(ration) TIMER timeout is not set for FULL WALK and is intended for use in intersections set to Rest in Walk. It is also important in the following situation: If the walk sign is able to turn on without a button push (Recall Mode) and the Walk Sound Trigger option is NOT set to Always On, the locate tone will continue into the walk phase, just like a Rest in Walk timeout. The choices below determine the response to a button push while the locate tone is playing during the walk phase.

The choices are:
(A New) BUTTON PUSH – Typically used in Rest in Walk situations. After initial timeout, sound restarts immediately with button push as long as crosswalk is still in Walk interval.
(A) NEW WALK (Interval) – After timeout, a new WALK Interval is required before the next WALK Sound or Message is played which is also complemented with the Vibrator. See the separate discussion on how to set the Sound Vibration Timer.
(Default = BUTTON PUSH)

CANCEL ON CLeaRaNCE
This function gives the choice to cancel or complete the WALK Sound or Message when the intersection timing changes from the Walk Phase to the Clearance Phase. This function is primarily applicable where walk messages are quite long. It must be carefully examined before turning this function off since it can falsely extend the Walk Cycle Sounds into the Clearance Cycle time. Regulations may not allow this function so changing the default must be carefully considered.
The choices are: YES, NO
(Default = YES, cancels walk message upon start of clearance phase)

## CLEARANCE PHASE SOUND OPTIONS

CLEARance MODE SOUND
This function allows the choice of different Clearance Sounds, a customer specified tone or verbal Clearance Countdown. Note: The Countdown function is tied into the language options. The Countdown language will be in the same language the pedestrian selects when performing an extended push.
The choices are: NONE, TONE 1, TONE 2, TONE 3, TONE 4, CANadian MELODY, COUNTDOWN
(Default = TONE 1)

**Special Note:** If Tone4 or Canadian Melody is the selected Clearance Mode Sound and the operating mode is changed from EN2 to N2, the selected sound will change to Tone 1.

CLEARance TONE PAUSE
This function selects the length of silence between the CLEARANCE Sounds.
The choices are: STANDARD, .5 SECONDS TO 3 SECONDS IN .5 SECOND STEPS.
(Default = STANDARD, 1 sec)

## Additional Information Regarding the Countdown Feature

When Countdown is enabled, the EPBS must have a CLEARANCE INTERVAL time measurement in order to operate. Whenever the EPBS is powered down or reset, the measured time information is lost. Performing an update with the E-Configurator would be considered a reset. Also a Calendar-triggered configuration change would be a reset. When no measurement is available, the EPBS must have at least one interval to measure before the Countdown will play. During this first measured interval, no sound at all will play.

While Countdown is the selected Clearance Mode Sound, every CLEARANCE INTERVAL will be measured. The EPBS retains the last two CLEARANCE INTERVAL measurements. If there is a difference, the shorter of these two is the measurement used. If only one measurement has been made, it will be used. If for some reason the CLEARANCE INTERVAL timing changes to a shorter time, the first Countdown following the change will be based on the timing prior to the change. If the timing changes to a longer time, the first two Countdowns following the change will be based on the prior shorter timing.

If a Walk interval completes without a Walk Sound Trigger event, the Locate Tone will play through the Walk interval and the Clearance interval as well. If the walk sound plays in the Walk interval, then the Countdown will play, as long as a measurement is available.

EZ Communicator versions of the Navigator offer spoken Countdown times up to 59 seconds. If the CLEARANCE INTERVAL is longer than the available Countdown, the Default Clearance tone will play once per second during the period outside the range of the available spoken count.

If the EPBS button is pressed while the Countdown is playing, the sound associated with the button will take precedence over the Countdown sound. If there is an Extended Push with an Information Message, the message will play instead of the Countdown. When the message is finished, the Countdown will resume, with the correct timing. If a Special Message is activated by a CCU2EN input, such as the Emergency Vehicle Preemption message, it will likewise override the Countdown.

## DON'T WALK PHASE SOUND OPTIONS

LOCATE SOUND
This function allows the choice of a few standard LOCATE Sounds or a customer specified tone.
The choices are: NONE, TONE 1, TONE 2, TONE 3, TONE 4
(Default = TONE 1)

**Special Note:** If Tone 4 is the selected Locate Sound and the operating mode is changed from EN2 to N2, the selected sound will change to Tone 1.

LOCATE TONE TIME
This function selects the “start to start” repetition time of the LOCATE Sounds.
The choices are: STANDARD, .5 SECOND TO 5 SECONDS IN .5 SECOND STEPS
Current MUTCD guidelines specify a repeat rate of once per second.
(Default = STANDARD, 1 sec)

WAIT MeSsaGe
The wait message is an optional feature which will switch the locate tone to a verbal “wait” following a button push. There are 4 timing options of 4, 6, 8, and 10 seconds. Also the Wait Message can be triggered by any push or only an extended push. The Wait Message is available regardless of the Walk Sound Trigger setting. Also, the volume of the Wait Message is set by the STD WALK VOL MIN and MAX or by the EXT WALK VOL MIN and MAX, depending on the length of the button push.
The choices are: ANY PUSH 4 SEC, OFF, ANY PUSH 6 SEC, ANY PUSH 8 SEC, ANY PUSH 10 SEC, EXT PUSH 4 SEC, EXT PUSH 6 SEC, EXT PUSH 8 SEC, EXT PUSH 10 SEC
(Default = OFF)

**INFORMATION MESSAGE OPTIONS**

DIRECTION MesSaGe
This function can be setup to give the blind pedestrian more information on the direction they are traveling without having to use a Custom Message.
For example if there is no custom Information Message, an extended push can be selected to say “Traveling North”.
The word “Traveling” will precede the following choices:
NORTH, NORTHEAST, EAST, SOUTHEAST, SOUTH, SOUTHWEST, WEST, NORTHWEST
(Default = NORTH)

INFOrmation MESSAGE
This is an optional custom message that gives blind pedestrians additional information. It typically gives the street they are crossing and the cross street. The following choices are:
NONE, DIRECTION, CUSTOM, CuSToM + DIRection
(Default = NONE)

CANCEL ON WALK
This function gives the choice to immediately cancel or complete the INFORMATION MESSAGE when intersection timing changes to the Walk Phase while playing the INFORMATION MESSAGE.
**Note: It must be carefully examined before changing this option to “NO” since it can falsely shorten the Walk Cycle.**
The choices are: YES, NO
(Default = YES, information message stops when WALK begins)

EXTended PUSH TIME
This function allows the EXTENDED PUSH TIME to be changed. This is the amount of time the Button on the EPBS has to be pressed and held before enabling the Extended Push functions. The choices are: 0-6 SECONDS IN .5 SECOND STEPS.
(Default = 1.0 Seconds)

**SECOND LANGUAGE OPTIONS**

SECOND LANGUAGE
This function allows a SECOND LANGUAGE to be played for the Information Message, Walk Message and Countdown. This language is a custom option.
For example if the second language has been programmed in Spanish and enabled, the pedestrian can access the language options by performing an Extended Push. The primary language would be stated first then the secondary language. “English”, pause, “Spanish” (spoken in Spanish), pause, “English”, etc…. The pedestrian releases the button after they hear the language of choice. The Information Message is immediately played in the selected language. The Walk Message and Countdown will also be played in the selected language. Following this, all messages will revert to the default

primary language.
The choices are: YES, NO
(Default = NO)

**ADDITIONAL SOUND OPTIONS**

EXTended PUSH PRIORITY
This unique function, when enabled, is given priority to silence the entire intersection with the exception of the crosswalk(s) that received an extended push. This greatly reduces sound clutter to the blind pedestrian and allows them to concentrate on the sounds relative to their crosswalk only.
The choices are: YES, NO
(Default = NO)

With this feature enabled, any EPBS extended button push puts that channel in priority mode for the next pedestrian cycle. This means that upon the next walk interval for that channel, the other three channels will be muted until the end of the next clearance interval. The feature is designed such that more than one channel may be in priority mode. If a EPBS receives an extended push while muted, that channel will immediately cancel the muting.

WALK PING PONG
This is another unique function which, when enabled, will play the WALK Sound or Message first on one EPBS, then across the street, back and forth until the WALK phase ends. The ODD setting means that this unit will play on the odd numbered repetitions of the WALK Sound, while the EVEN setting plays on the even numbered repetitions.
The choices are: OFF, ODD, EVEN
(Default = OFF)

**Special Note:** If ODD or EVEN is the selected Ping Pong option and the operating mode is changed from EN2 to N2, the selected option changes to YES.

CLEARance PING PONG
Like the WALK PING PONG above, this option will play the CLEARANCE Sound first on one EPBS, then across the street, back and forth until the CLEARANCE phase ends. The ODD setting means that this unit will play on the odd numbered repetitions of the CLEARANCE Sound, while the EVEN setting plays on the even numbered repetitions.
The choices are: OFF, ODD, EVEN
(Default = OFF)

**Special Note:** If ODD or EVEN is the selected Ping Pong option and the operating mode is changed from EN2 to N2, the selected option changes to YES.

## Help Function

The Help function is quite basic, but can get you familiar with what all the buttons do on the E-Configurator keypad. Press the HELP button at any time to get a description of what a particular button does. The button description will be scrolled on the display. Pressing HELP button again will return the display back where it was prior to pushing the HELP button.

## Display Contrast Adjust

Press the MENU UP & MENU DOWN button simultaneously. Then press left arrow to dim the display and press right arrow to brighten display. Press any other buttons to exit the Display Contrast screen.

## Restore Factory Settings

If for some reason you need to restore the factory default settings, turn on the E-Configurator and establish communications with the EPBS, Enter Security Code and menu down through the ID number. You will get a “PRESS EITHER READ SETTINGS” message. To update the CCU, press UPDATE SETTINGS for CCU. This will restore the default

settings to the CCU. To update an EPBS, press Read Settings for Push Button Station. Select Default 1 as the source for the read. After the read, press the PBS Update Settings key and select the desired destination using the Yes/No keys. Press the Down key to complete the update.

## General E-Configurator Operational Notes

The E-Configurator has an automatic shut off function. As long as it has an established Communication connection with the EPBS, the E-Configurator will not shut off. The Auto Shut Off timer is reset every time there is E-Configurator Communications or any button is pressed. If neither of these conditions happen within a 30 second period, the E-Configurator will Auto Shut Off. The E-Configurator may also be shut off manually by pressing the POWER button. This gives a YES/NO option to power off. This function is active after you see a “PRESS EITHER READ SETTINGS”. Selecting NO will return to “PRESS EITHER READ SETTINGS”.

You may menu up or down through the choices as many times as needed, but nothing will be saved, unless the UPDATE SETTINGS button is pressed! **The E-Configurator Communication Link can be broken for up to 15 seconds and reestablished without losing setting changes. If communication is broken for more than 15 seconds, the EPBS will return to normal operation and all menu choice settings changed during that session will be lost.**

## Recommendations

For situations where the walk sign does not rest in walk, Polara recommends setting the Sound/Vibration Time to two seconds longer than the walk sign period. This will always provide sound and vibration for the full length of the walk sign. In the event of a major malfunction where the EPBS might get stuck in walk mode, the walk sound would be extended by two seconds beyond the walk sign. Setting the Sound/Vibration Time to the same number of seconds as the walk sign may also work acceptably, however, if the EPBS Sound/Vibration Timer expires prior to the walk sign, the EPBS will not play the specified clearance sound. It will skip directly to the specified locate tone played during the Don’t Walk period. This may be undesirable in cases where the clearance sound selected is different than the locate tone.

Polara also recommends setting the Sound/Vibration Retrigger to New Walk. The factory default configuration has been changed to include this. This setting will prevent any walk sound or vibration following a button push until the EPBS receives a new walk code from the CCU. In the event that a EPBS is stuck in walk mode, once the Sound/Vibration Time expires, a button push will not restart the walk sound.