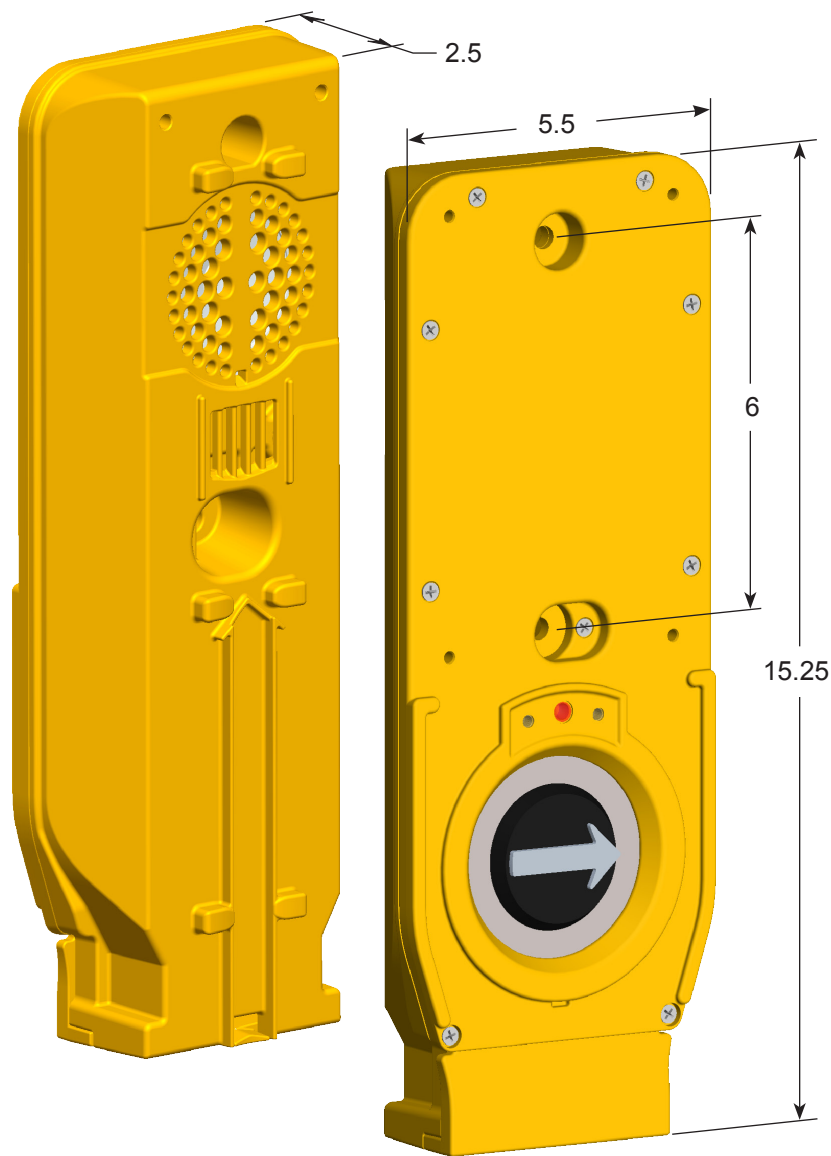


## EN4 – EZ Communicator Navigator 4 Wire Push Button Station



The EZ Communicator Navigator 4 Wire Push Button Station (EN4 PBS) is the pedestrian interface to the EZ Communicator Navigator Accessible Pedestrian System. A system includes a Ped Head Control Unit (PHCU4W), an E-Configurator, and a Push Button Station. The EN4 PBS provides valuable information and cues via both a vibrating arrow button and audible sounds making the intersection accessible for all pedestrians. All sounds emanate from the back of the unit. A sunlight-visible red LED latches “ON” to confirm the button has been pushed. The EN4 PBS includes the body (shown), sign, ADA compliant push button and mounting hardware.

By interfacing with the PHCU4W that installs in the Ped Head, the EN4 PBS can provide the following standard features:

- Confirmation of button push via latching LED, sound, and tactile bounce.
- Direction of travel (with extended button push)
- Standard locating tone during Don't Walk (and Clearance if desired)
- Cuckoo, Chirp, Rapid Tick, Verbal, or user customized voice messages during walk. A total of 10 walk sound options are included with an additional 2 locations for custom voice messages / walk sounds
- Vibrating button during walk
- Choice of 4 locating tones, custom sound, or verbal countdown during PED clearance
- All sounds automatically adjust to ambient over 60dB range
- Most sounds have a minimum and maximum volume independently set
- Sounds are synchronized across all PBSs
- Extended button push can turn on, boost volumes, and/or mute all sounds except those on the activated crosswalk
- Can provide pre-configured special messages played throughout the entire intersection upon a central system activated signal (preemption)
- Custom audio messages and configuration settings can be easily changed via USB port
- Firmware updates provided through USB port
- Independent ambient adjustment setting for the locate tone which allows fine adjustments for low ambient conditions

All yellow color unit shown for clarity. Standard unit has Black base.

### Operating Specifications

Parameter	Rating
Operating Temperature Range	-34°C to +74°C (-30°F to +165°F)
Storage Temperature Range	-45°C to +85°C (-50°F to +185°F)
Operating Force	3.0 lbs Maximum
MTBF	3,000,000 hours
Switch Operating Life	Greater than 20 Million Operations
Maximum Volume	100 dB @ 1 meter
Minimum Ambient Sound	37 dBA
Audio Quality	3% THD plus Noise @ 1 kHz

### Design Compliance

Test Type	Compliance
Functionality	MUTCD 2009 - 4E
Temperature and Humidity	NEMA TS 2
Transient Voltage Protection	NEMA TS 2
Transient Suppression	IEC 61000-4-4, IEC 61000-4-5
Electronic Noise	FCC Title 47, Part 15, Class A
Mechanical Shock and Vibration	NEMA TS 2
EN4 PBS Enclosure	NEMA 250 - Type 4X
Electrical Reliability	NEMA TS 4

**Notes:**

1. Applicable sections only of reference standards.
2. All specifications are subject to change without notice.
3. All specifications are Typical unless otherwise specified.

A 4 Wire Cable (Belden 8489 or equivalent) must be routed between each EN4 PBS. This cable is not supplied with the EN4 PBS, but is available separately in pre-cut 12 ft. and 25 ft. lengths with the both ends stripped:

EN4 PBS CABLE	
P/N	Length
850-288-12	12 feet
850-288-25	25 feet

Terminal screws on each EN4 PBS include washers (clamping plates) intended for bare wire. Crimp Terminals are not recommended.

EN4 5 A N 0 - B -BD-WTT-ES

**Additional Available Options**

Button Options

- NA - No Arrow
- BD - Bi-Directional Arrow

Wood Pole Mount

- WTT - Threaded Conduit Hole on Top Side

Other Options

- WPC - with Pole Cap
- ES - External Speaker Option

**Body Color**

(Base is always black. Lid color is designated by -B, -G, or -Y.)

- B - Black Front
- G - Green Front
- Y - Yellow Front

**Audio Message Options**

- 0 - Standard Messages
- 1 - Custom Messages

**Braille**

- N - No Braille on Face Plate
- B - Braille on Face Plate

**Face Plate**

MUTCD Compliant

- V - 9x12 R10-3
- U - 9x12 R10-3b
- T - 9x15 R10-3e

Non-MUTCD Compliant

- A - 5x7 - International
- B - 5x7 - Informational
- C - 9x12 - Countdown
- D - 5x7 or 9x12 - International Sign
- O - (Letter O) - No Sign

**Size of Face Plate**

- 5 - 5" x 7¼"
- 9 - 9" x 12"
- 3 - 9" x 15"

**Navigator Family**

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