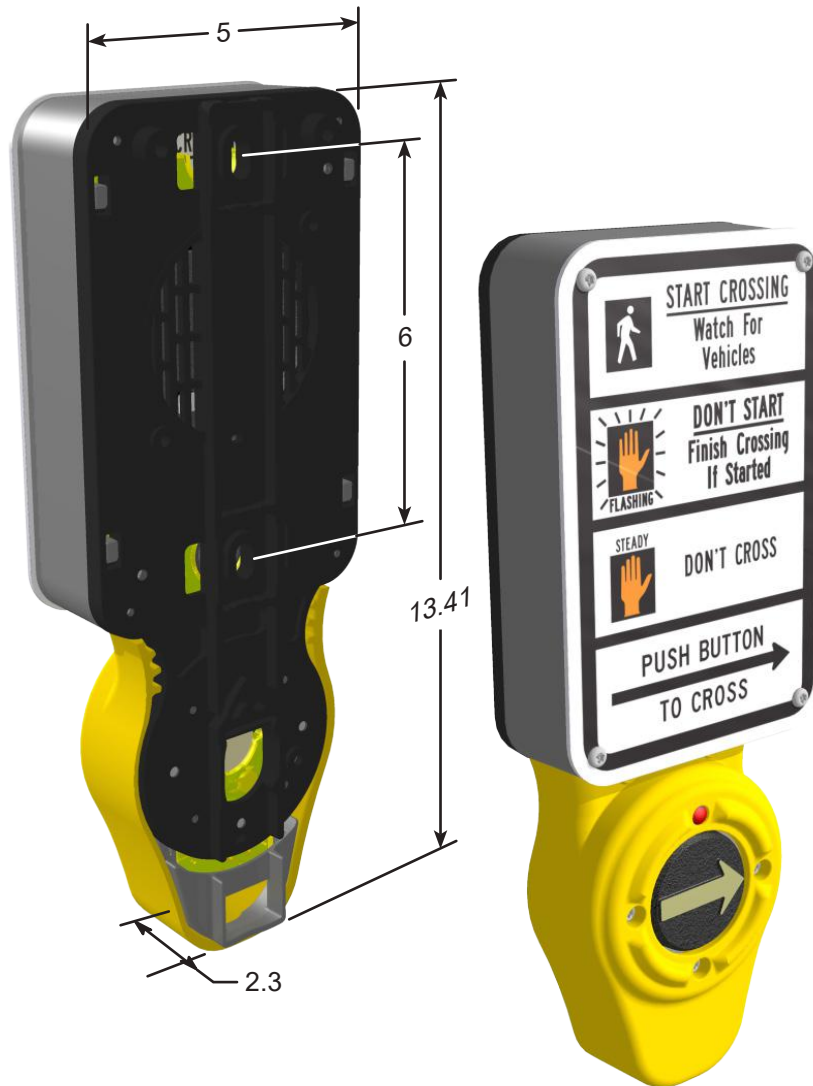


iN2 – iNavigator 2-Wire Push Button Station



The iN2 Navigator 2-Wire Push Button Station (iN2 PBS) is the pedestrian interface to the iNavigator Accessible Pedestrian System. Main components of a system consists of a Control Unit (P/N: icCU-S or icCU-C) and two or more Push Button Stations. The iN2 is an MUTCD compliant PBS, providing valuable information and cues via both a vibrating arrow button and audible sounds, making the intersection accessible for all pedestrians. All sounds emanate from both the front and the back of the unit. A sunlight-visible red LED latches “ON” along with a tactile feedback “bounce” to confirm the button has been pushed. The vandal-resistant designed iN2 PBS includes the body which houses the ADA compliant push button (shown), a faceplate (sign), and mounting hardware.

By interfacing with the Control Unit that installs in the Traffic Signal Control Cabinet, the iN2 PBS can provide the following standard features:

- Operates over a single pair of wires
- All push button stations wired in parallel, individually assignable to any phase
- 16 buttons can operate with a single Control Unit*
- All sounds are synchronized
- 4 Locate Tone selectable options
- 13 Walk Sound selectable options, 3 of them custom options
- 7 Clearance Sound selectable options
- Walk, Clearance and Don't Walk sounds adjust automatically to ambient
- Separate ambient response settings for Locate Tone (for quiet ambient conditions)
- Most sounds have independent Min/Max settable limits
- Button vibrates during Walk
- Button push confirmed by latching LED, tactile bounce, and audible “wait” sound
- Extended button push can boost volume for next Walk and Clearance
- Direction of travel message with extended button push, capable
- Extended Push Priority: Mutes all but selected crosswalk, capable
- Extended Push Activation Settings: 0-6 second range, .5 second increments
- Beacons and Ping Pong features available
- Select audio messages, change settings, and perform firmware updates wirelessly using iOS devices, or a Windows PC with Polara's Bluetooth Dongle (P/N: iN-DGL)
- Built in Health/Event logging feature, up to 300 events
- False Walk Detection: Four independent checks
- External Speaker-Option at time of order
- External Button Input for bike lane, horses, etc.
- Warranty: 3 year limited

An iN2 PBS can operate as an iN3 PBS (Ped-Head Based System). It comes with a 3-position terminal block (see figure next page) to connect to a Ped-Head Control Unit. See iN3 Quick Start Guide for more information/instructions.

* Dependent on/limited by power requirements and wire runs

iN25BN0-Y unit shown. Dimensions are in inches. All dimensions are reference only and subject to change without notice.

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, three adjustable programmed forces are optional
Switch Operating Life	Greater than 20 Million Operations
Maximum Volume	100 dB @ 1 meter

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 (Bluetooth Radio)	FCC Title 47, Part 15, Class A*
Mechanical Shock and Vibration	NEMA TS 2*
iN2 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.
- * Tested and Certified by independent 3rd party laboratory.

Termination View - iN2 Operating as iN3 PBS



Ped Call Wires/Terminal on Left. 3-Position Terminal Block on right (for operating as iN3)

iN2 5 A N 0 - B - BD-ES

Additional Available Options

Button Options

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

Other Options

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

Button Cover Color

(Back Plate and Body is always black. Button Cover color is designated by -B, -G, or -Y.)

- B - Black Button Cover
- G - Green Button Cover
- Y - Yellow Button Cover

Audio Message Options

- 0 - Standard Messages
- 1 - Custom Messages

Braille

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

Faceplate

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
- O - (Letter O) - No Faceplate

Size of Front Plate Adapter

(Also chooses size of Faceplate, when present)

- 5 - 5" x 7¾"
- 9 - 9" x 12"
- 3 - 9" x 15"

Navigator Family

- iN2 - iNavigator 2-Wire Push Button Station