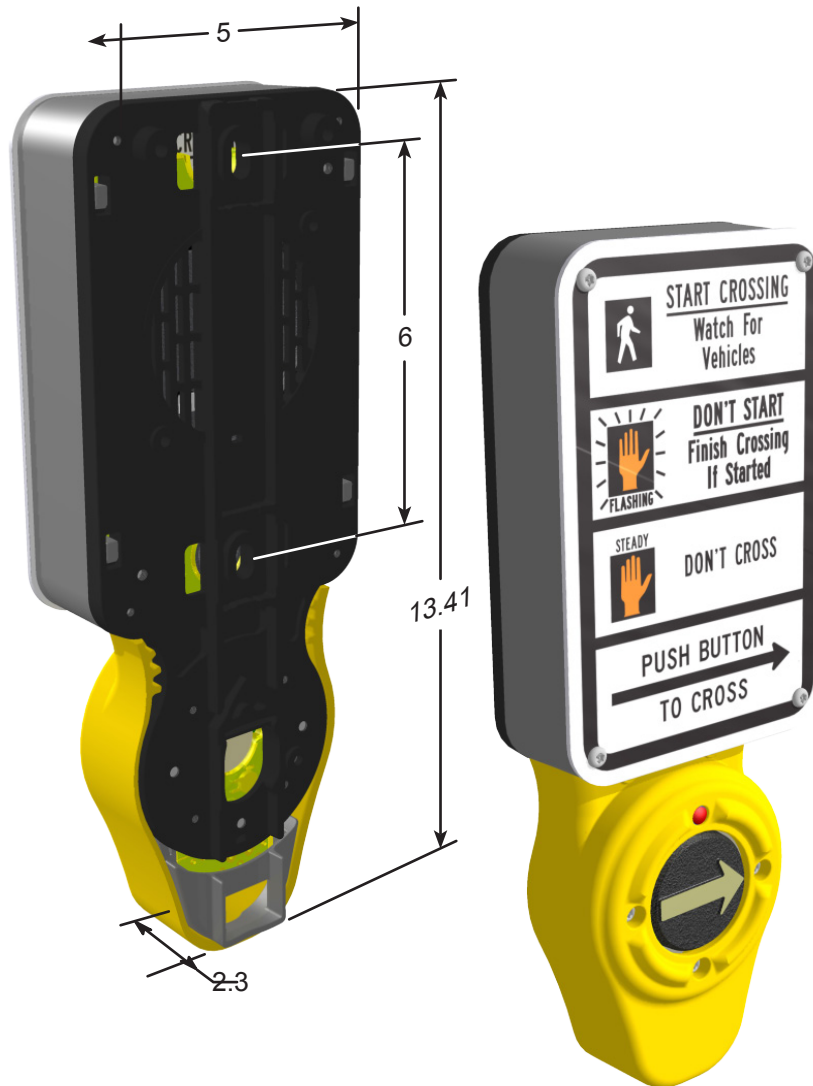## iN2 – iNavigator 2-Wire Push Button Station

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
- 14 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
- Beaconing 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.

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

* Dependent on/limited by power requirements and wire runs

Operating Specifications

Parameter	Rating
Operating Temperature Range	-34ºC to +74ºC (-30ºF to +165ºF)
Storage Temperature Range	-40ºC to +85ºC (-40ºF to +185ºF)
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.

iN23TN1-Y

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

Polara provides custom messages for free which OP would have to put on via software, supplier charges to put them on.

Braille
N – No Braille on Face Plate
B – Braille on Face Plate

Faceplate

MUTCD Compliant	Non-MUTCD Compliant
V – 9x12 R10-3	A – 5x7 – International
U – 9x12 R10-3b	B – 5x7 – Informational
T – 9x15 R10-3e	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