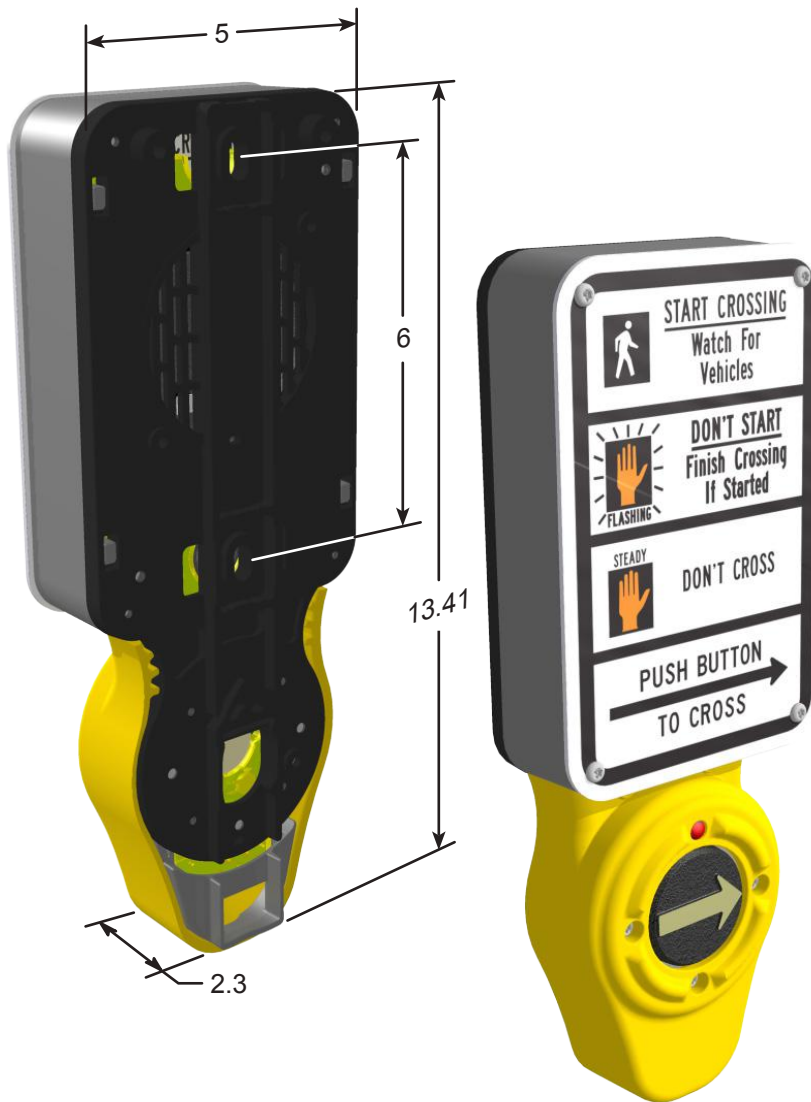




iN3 – iNavigator 3-Wire Push Button Station



The iN3 Navigator 3-Wire Push Button Station (iN3 PBS) is the pedestrian interface to the iNavigator Accessible Pedestrian System. A system includes a Ped Head Control Unit (iPHCU3W) and a Push Button Station. The iN3 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 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 iN3 PBS includes the body which houses the ADA compliant push button (shown), a faceplate (sign), and mounting hardware.

By interfacing with the iPHCU3W that installs in the Ped Head, the iN3 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 3 locations for custom voice messages / walk sounds
- Vibrating button during walk
- Choice of 4 locating tones, Canadian Melody, or verbal countdown during PED clearance
- Most sounds have a minimum and maximum volume independently set
- Extended button push can turn on and boost volumes on the activated crosswalk
- Custom audio messages, configuration settings, and firmware updates can be easily uploaded wirelessly via Bluetooth using Windows or iOS
- Independent ambient adjustment setting for the locate tone which allows fine adjustments for low ambient conditions
- 3 Wires (Data, PWR, GND) for iN3

iN35BN0-Y unit shown. Dimensions are in inches.



Operating Specifications

Parameter	Rating
Operating Temperature Range	-34°C to +74°C (-30°F to +165°F)
Storage Temperature Range	-40°C to +85°C (-40°F to +185°F)
Operating Force	3.0 lbs Maximum, three adjustable programmed forces are optional
MTBF	3,000,000 hours
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	FCC Title 47, Part 15, Class A
Mechanical Shock and Vibration	NEMA TS 2
iN3 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 3 Wire Cable (General Cable: C2831A or equivalent) must be routed between each iN3 PBS. This cable is not supplied with the iN3 PBS, but is available separately in pre-cut 12 ft. and 25 ft. lengths:

iN3 PBS CABLE	
P/N	Length
850-388-12	12 feet
850-388-25	25 feet

Terminal screws on each iN3 PBS include washers (clamping plates) intended for bare wire. Crimp Terminals are not recommended.

iN3 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 7 $\frac{1}{4}$ "
- 9 - 9" x 12"
- 3 - 9" x 15"

Navigator Family

- iN3 - iNavigator 3 Wire Push Button Station