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.
- 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
Operating Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-34°C to +74°C (-30°F to +165°F)</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>-40°C to +85°C (-40°F to +185°F)</td>
</tr>
<tr>
<td>Operating Force</td>
<td>3.0 lbs Maximum, three adjustable programmed forces are optional</td>
</tr>
<tr>
<td>Switch Operating Life</td>
<td>Greater than 20 Million Operations</td>
</tr>
<tr>
<td>Maximum Volume</td>
<td>100 dB @ 1 meter</td>
</tr>
</tbody>
</table>

Design Compliance

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Compliance</th>
</tr>
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<tbody>
<tr>
<td>Functionality</td>
<td>MUTCD 2009 - 4E</td>
</tr>
<tr>
<td>Temperature and Humidity</td>
<td>NEMA TS 2*</td>
</tr>
<tr>
<td>Transient Voltage Protection</td>
<td>NEMA TS 2*</td>
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<tr>
<td>Transient Suppression</td>
<td>IEC 61000-4-4, IEC 61000-4-5*</td>
</tr>
<tr>
<td>Electronic Noise (Bluetooth Radio)</td>
<td>FCC Title 47, Part 15, Class A*</td>
</tr>
<tr>
<td>Mechanical Shock and Vibration</td>
<td>NEMA TS 2*</td>
</tr>
<tr>
<td>iN2 PBS Enclosure</td>
<td>NEMA 250 - Type 4X*</td>
</tr>
<tr>
<td>Electrical Reliability</td>
<td>NEMA TS 4</td>
</tr>
</tbody>
</table>

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.
4. * Tested and Certified by independent 3rd party laboratory.

Termination View - iN2 Operating as iN3 PBS

Audio Message Options
0 – Standard Messages
1 – Custom Messages

Button Cover Color
B – Black Button Cover
G – Green Button Cover
Y – Yellow Button Cover

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
5 – 5” x 7¾”
9 – 9” x 12”
3 – 9” x 15”

Navigator Family
iN2 – iNavigator 2-Wire Push Button Station

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