SCAN FOR INFO

iNX / iDX

audible information device

Enhance pedestrian safety and accessibility at uncontrolled crossings by combining Rectangular Rapid Flashing Beacons (RRFBs) with MUTCD-compliant Audible Information Device (AID).

iDX model shown

Single-unit design
Fully integrated system includes instructional sign, raised arrow push button, LED light, and modular speaker with front and rear sound.

Touchless activation option
The iDX model offers touchless activation with iDetect® radar motion sensor, with adjustable range and sensitivity.

Wireless connectivity
Faster, longer-range configuration, plus Wireless Sync to activate the partner unit without external radios or trenching.

Low power use
Energy-efficient device, ideal for battery or solar powered applications.

ada COMPLIANT · meets MUTCD standards · BABA COMPLIANT Oct. 1, 2026 · PROWAG

POLARA

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Powered by Synapse ITS

iNX / iDX features

- Instructional 9x12 in retro-reflective sign with tamper-resistant screws.
- Other sign sizes available: 5x7.75, 9x15, 9x18.
- ADA-compliant push button with field adjustable directional arrow.
- Ultra-durable Hall-effect button rated to 20 million+ operations.
- 10 watt audio amplifier.
- Microphone to automatically adjust sounds to ambient noise level.
- Quiet Time: reduce volume of all sounds at scheduled times.
- Weather resistant modular speaker, field-replaceable.
- Spanish audio message available.
- Firmware updates, audio, volume, and other configurations set over Bluetooth® with the free Polara Field Service App (iOS® & Android®).
- Warranty: 3 year limited.

FHWA & MUTCD compliant:

- Meets PROWAG and MUTCD 11 Audible Information Device requirements.
- One yellow LED that flashes when warning lights are flashing.
- Standard Message: “Warning lights are flashing” (repeats twice).
- Locator Tone.
- No vibrotactile or percussive indications.

Optional sign for iDX, touchless version shown

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iNX / iDX specifications

Operating specifications

Parameter	Rating
Operating temp. range	-30° F to +165° F (-34° C to +74° C)†
Storage temp. range	-50° F to +185° F (-45° C to +85° C)
Operating force	3.0 lbs max, option of 3 adjustable programmed forces
Switch operating life	Greater than 20 million operations
Max. volume	100 dB @ 1 meter

Notes: Designed to comply with applicable sections of referenced standards. All specifications are subject to change without notice. All specifications are typical unless otherwise specified.

†iDetect touchless actuation will work as specified in the range of -4°F to +140°F (-20°C to -60°C). Detection could fluctuate and be reduced/less responsive outside of the specified range. All normal PBS functions will work through the extended NEMA temperature ranges. iDetect is an additional feature/supplement to the PBS.

Electrical properties

DO NOT APPLY AC VOLTAGE TO THIS SYSTEM!		
DC In	10-24 VDC	
Button	7-32 VDC	
Lights In	7-32 VDC	
Current Draw @ 12 VDC	iNX	iDX
Idle (Locate Tone with default settings)	~10 mA	~27 mA
Peak (Over 6 second period)	~480 mA	~491 mA

Mechanical properties

Physical	
Enclosure type	Plastic sealed housing, powder-coated cast aluminum cover and backplate
Installation	3/4 in or smaller banding or 2 tapped 1/4-20 holes on 6 in centers; 1/2 in or larger hole for wire access
Dimensions	
Width	9 in (with 9x12 in sign) / 5.1 (without sign)
Length	18.2 in (with 9x12 in sign) / 14 in (without sign)
Maximum height	2.6 in

Design compliance

Functionality test type	Compliance
Functionality	MUTCD 11th edition
Temperature and humidity	NEMA TS2
Mechanical shock and vibration	NEMA TS2
iNX enclosure	NEMA 250 Type 4X

iDetect® specifications

Operating specifications

Radar switch detects movement from 2 - 12 in, adjustable. 2 - 5.75 in default.
Inconspicuous and vandal resistant; unimpeded by fog, ice, paint, paper, smoke
Programmable wave time sensitivity - 0 ms, 50 ms, 250 ms, 500 ms