Bulldog III

ULTRA-DURABLE PEDESTRIAN PUSH BUTTON

Improve accessibility at crosswalks and beyond with the most durable push button on the market.

- **Rigorously tested piezo button rated to over 300 million operations**
- **Usable in a wide range of applications, from crosswalks to water parks**
- **Sustainable operation in solar- and off-grid installations due to low power draw**
- **Latching or momentary LED versions**
- **ADA, MUTCD, and Buy America compliant; independently tested and certified to meet or exceed industry standards**

QUALITY COMPONENTS & CONSTRUCTION

Die-cast aluminum, powder-coated body and marine-grade stainless steel cap make the Bulldog equipped to withstand the elements–and just about anything else. Tested and certified to NEMA 250 - 6P (full submersion) and operable in temperatures from -30°F to 165°F.

POWERFUL, PROVEN TECHNOLOGY

Rigorously tested piezo-driven solid state switch converts mechanical pressure to an electric charge with essentially no moving parts to break. Transient protection exceeds NEMA specifications. Over 700,000 installed worldwide since 2001.

LONG LASTING & LOW-MAINTENANCE

Single-unit design and robust components ensure a long service life with minimal maintenance, even in extreme climates and conditions. Tested to 300 million+ operations.

ADA & MUTCD COMPLIANT

Meets both ADA and MUTCD standards for push buttons, placing calls with less than 2 lbs of force, while delivering visual LED and audible two-tone confirmations.

FULLY CUSTOMIZABLE

The Bulldog provides a range of customization options; including round or rectangular casings, casing color (yellow, green, or black), and LED options (latching, momentary, or none). Polara also offers custom colors and laser-engraved button caps on request.

ada COMPLIANT

meets MUTCD standards

BABA COMPLIANT Oct. 1, 2026

ISO 9001 CERTIFIED

TAKE THE NEXT STEP!

sales@polaraent.com | 903.366.0300

Copyright © 2026 Polara Enterprises, LLC. All rights reserved.

POLARA.COM 903-366-0300 Made in USA

Powered by Synapse ITS

BULLDOG III FEATURES

- Transient protection that meets and exceeds NEMA specifications.
- Superior die-cast aluminum, powder-coated body.
- Button cap constructed of marine-grade 316 stainless steel.
- 2" ADA compliant button withstands severe impact from baseball bats, skate boards, hockey sticks, etc.
- Button places a call with less than two pounds of force.
- Wide operating temperature range of -30° to 165°F (-34° to 74°C).
- Ultra-durable long-life – tested to 300 million operations.
- Wind, rain, hail, and vibration have no negative effects. Button requires push action to activate.
- Piezo-driven solid state switch sounds simultaneously with push-button.
- Provides two-tone audible confirmation.
- Latching or momentary LED versions.
- Independently lab tested and certified.
- Available in yellow, green, or black, with round or rectangular cases.
- Custom colors and laser-engraved button caps are available on request.
- BullDog push buttons use power from existing switch wires.
- 5-year limited warranty.

Model	LED	TS1 cabinet compatible	Requires controller
BDL3	Latching or momentary	No*	For latching LED, use PBCU, PBCU-DC, or LPBCU2.
BDSP-010	None	No*	No
BDSP-011	Momentary	Yes	No
BDSP-014	None	Yes	No

Operating Specifications

Parameter	Rating
Body Material	Aluminum, Powder Coated
Button Material	316 Stainless Steel
Piezo Driven Solid State Switch:	
Operating Force	3.0 lbs max
Operating Temp. Range	-34°C to +74°C (-30°F to +165°F)
Operating Voltage	12-36 VDC, 9-25 VAC RMA (18 VDC Typ.)
MTBF	8,800,000 hours Typ.
Switch Operating Life	Greater than 300 million operations.
"Off" Current	15µA Typ.
"On" Resistance	40Ω Typ. (Momentary)
Maximum "On" Current	30 mA (over-current protection) Typ.
Maximum "On" Time	11 sec. Typ.
Debouce Time	85 ms. Typ.
LED Operating Modes*	
Momentary*	Approx 0.025 sec. LED flash each time button is pressed.
Latching†	LED activates only during non-walk phases and stays on until the beginning of the walk phase.
LED Specifications*	
Luminous Intensity	0.3 Lux @ 1 meter Minimum (Red)
Viewing Angle	155° Typical
Beeper	
Volume	68dB @ 1 meter Typ.
Beep on Press	3.5 kHz
Beep on Release	2.6 kHz
Beep Length	50ms Typ.
Warranty	5 Years, free from manufacturers defects

* BDL3 & BDSP-014 only.
† BDL3 only.

Design Compliance

Functionality Test Type	Compliance
Activation Force	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
Lightning and Power Protection	GR-1089-CORE, Extended to 6000V-400A, 25 reps, 120VAC-15 mins.*
Electronic Noise	FCC Title 47, Part 15, Class A
Mechanical Shock and Vibration	NEMA TS 2
Ingress of Water	NEMA 250 - 6P- Rain, Snow, etc.
Ingress of Water	NEMA 250 - 6P- Submersion
Salt Spray and Corrosion	NEMA 250 - 6P
Ingress of Foreign Objects	NEMA 250 - 6P
Electrical Reliability	NEMA TS 4

Notes: Lab tested to applicable sections of referenced standards. All specifications are subject to change without notice. All specifications are typical unless otherwise specified.
*BDSP-010, 011, 014 rated for 60VAC-15 mins.

POLARA

Copyright © 2026 Polara Enterprises, LLC. All rights reserved.