

# BullDog III

## Setting a Higher Standard for ADA Push Buttons

*Let the BullDog III take a BITE out of your Pushbutton Maintenance costs!*

With budget & personnel cuts, how much are your old "Micro-Switch" buttons costing you in time and maintenance costs? Cost/benefit analysis proves value!

### Meets or Exceeds the Following Standards:

- ADA, MUTCD and TAC
- NEMA TS2, TS4 (Reliability)
- NEMA 250 6P (Enclosure)
- GR-1089 CORE
- FCC part 15



## BullDog

- Easy to Activate, Difficult to Destroy
- Tested to 300 Million Activations
- Improved and Proven Technology

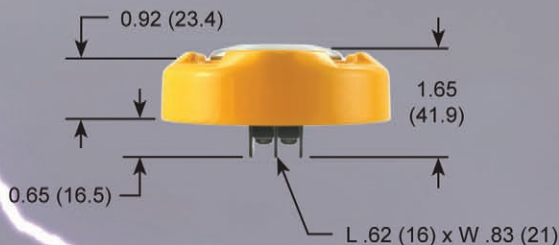
## 5 Year Warranty!

- Transient protection that meets and exceeds NEMA specifications. Independent lab tested and certified!
- Activated with less than 2 lbs force
- Withstands severe impacts from Skate Boards, Baseball Bats, Hockey Sticks etc...
- Provides two tone audible confirmation as well as visual confirmation
- Cannot be jammed or stuck on
- Wind, Hail, Vibration have no negative effects. Requires push action to activate.
- Superior grade pre-treatment and Powder coat. Independently lab tested to NEMA 250-6P
- 316 Marine grade Stainless Steel Button Cap – Competition uses lesser/cheaper grades.

**Don't Take Chances with Unproven, Untested Product!**

**POLARA**  
Making the Best Even Better

# BullDog III



BDL3AU-Y

## Operating Specifications

Parameter	Rating
Operating Modes	Momentary and Latching LED
Backward Compatible	Full compatibility with BDLM2 and BDLL2 series products
Operating Temperature Range	-34° C to +74° C (-30°F to +165°F)
Operating Voltage Range	12-36 VDC, 9-25 VAC RMS (18 VDC Typical)
Operating Force	2.0 lbs Maximum
MTBF	8,800,000 hours Typical
Switch Operating Life	Greater than 300 Million Operations
"Off" Current	15 microamperes Typical
"On" Resistance	85 ohms Typical (Momentary)
Maximum "On" Current	250 milliamperes (over current protection) Typical
Minimum "On" Time	240 milliseconds Typical
Maximum "On" Time	11 seconds Typical
Debounce Time	85 milliseconds Typical
Luminous Intensity	0.3 Lux @ 1 meter Minimum (Red)
Viewing Angle	155° Typical
LED Flash	Press – 25 milliseconds Typical (Momentary Mode)
Beeper Volume	68 dB @ 1 meter Typical
Beeper Tones	Press – 2.6 kHz, Release 2.3 kHz 50 milliseconds Typical

## Design Compliance

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:

- 1) Applicable sections only of referenced standards.
- 2) Specifications subject to change without notification.
- 3) All specifications are Typical unless otherwise specified.
- 4) Units meet all specifications when shipped from the factory.

## For operation in Latching Mode the BullDog III requires a PBCU

- Fully MUTCD-2009 4E compliant for Latching and Momentary operation
- Full type 242 functionally
- Compatible with NEMA & CalTrans Cabinets
- Use one PBCU in place of two type 242 card slots, or two detector card slots
- Will disable BDL3s during Flashing mode (no beeps, LED flashes, or calls)
- Control up to 16 BullDog buttons, maximum of four per channel
- A two card slot upgrade and replacement for the LPBCU
- Failsafe operation: places a constant call on all four channels in event of an internal failure
- Each phase has dedicated front panel LED's and push button switches that provide service technicians full diagnostic capabilities
- WALK OPTION: In Latching Mode, the BullDogs will place a call during the WALK INTERVAL
- NEMA TS 2 Certification via independent laboratory



PBCU Controller



PBCU-EB Controller (Shelf Mount)

## Product Information

Model Number	Style	Color
BDL3-B BDL3-G BDL3-Y	Round	Black Green Yellow
BDL3AU-B BDL3AU-G BDL3AU-Y	Round with Universal Arrow	Black Green Yellow
RBDL3-B RBDL3-G RBDL3-Y	Rectangular No pre-drilled Holes	Black Green Yellow
RBDL3-B-2H RBDL3-G-2H RBDL3-Y-2H	Rectangular 2 Mounting Holes	Black Green Yellow
RBDL3-B-4H RBDL3-G-4H RBDL3-Y-4H	Rectangular 4 Mounting Holes	Black Green Yellow

For mounting accessories and other models, refer to website.