

# Polara Pushbuttons and APS

## Ped Detection Push Buttons (Std.) Polara Bulldog

### Bulldog Buttons & Misc

87-BDL3-Y	Bulldog Button Yellow
87-BDL3-B	Bulldog Button Black
871003-014-Y	Bulldog Button Yellow (TS1 Only)
871003-014-B	Bulldog Button Black (TS1 Only)
87-BDL3-010-Y	Bulldog Button NO LED Yellow
87-BDL3-010-B	Bulldog Button NO LED Black
87-BDL3AL-Y	Bulldog Button Yellow - Left Arrow
87-BDL3AL-B	Bulldog Button Black - Left Arrow
87-BDL3AR-Y	Bulldog Button Yellow - Right Arrow
87-BDL3AR-B	Bulldog Button Black - Right Arrow
87-BDPM3-Y	Bulldog Pole Universal Mount Yellow
87-BDPM3-B	Bulldog Pole Universal Mount Black
87-APBC-Y	Bulldog Pushbutton Cup Aluminum Yellow
87-APBC-B	Bulldog Pushbutton Cup Aluminum Black
ie. (87-BDL3CE-Y)	Bulldog One Time Custom Etching Fee (Add CE to Part number)
87-RBDSP-014-Y-4H	Rectangular Bulldog Button Yellow
87-RBDSP-014-B-4H	Rectangular Bulldog Button Black

### Bulldog 5X7

871011-Y	5x7 Bulldog Button Frame Yellow
871011-B	5x7 Bulldog Button Frame Black
87-PBFA9X12-B	5x7 Coversion to 9X12 Bulldog Backplate Black
87-PBFA9X12-Y	5x7 Coversion to 9X12 Bulldog Backplate Yellow
87-PBFA9X15-B	5x7 Coversion to 9X15 Bulldog Backplate Black
87-PBFA9X15-Y	5x7 Coversion to 9X15 Bulldog Backplate Yellow
87-800-87	5x7 Reversible Sign (Hand Man) Option A
87-800-88	5x7 Bidirectional Sign (Hand Man) Option A
87-800-59	5x7 Reversible Sign (Flashing Hand) Option B
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B

### Bulldog 9X12

871012-Y	9X12 Bulldog Button Frame Yellow
871012-B	9X12 Bulldog Button Frame Black
871019	9X12 Reversible Sign (Flashing Hand R10-3B) Option U
87-800-72	9X12 Bidirectional Sign (Flashing Hand R10-3B) Option U
87-800-67	9X12 Reversible Sign (International) Option D
87-800-70	9X12 Bidirectional Sign (International) Option D
87-800-85	9X12 Reversible Sign (Countdown R10-3E) Option C
87-800-90	9X12 Bidirectional Sign (Countdown R10-3E) Option C
87-800H-86	9X12 Reversible Sign (MUTCD R10-3) Option V
87-800H-89	9X12 Bidirectional Sign (MUTCD R10-3) Option V

### Bulldog 9X15

87-PBF9X15-Y	9X15 Bulldog Button Frame Yellow
87-PBF9X15-B	9X15 Bulldog Button Frame Black
87-800H-84	9X15 Reversible Sign (Countdown R10-3E) Option T
87-800H-99	9X15 Bidirectional Sign (Countdown R10-3E) Option T

### Bulldog Push Button Control Units & Accessories

87-PBCU	Push Button Control Unit A/C Powered
87-PBCU-DC	Push Button Control Unit D/C Powered

87-PBCUHK-12	PBCU Hardware Kit 12' Cable (6 and 15 ft discontinued)
87-BDPM3-B	Bulldog Pole Mount - Black
87-BDPM3-Y	Bulldog Pole Mount - Yellow
87-PA-iB	Pelco Poly Adaptor - Black
87-PA-iY	Pelco Poly Adaptor - Yellow
87-PBC-B	Push Button Cup - Black
87-PBC-Y	Push Button Cup - Yellow
87-PBFE-06	Push Button Frame Pole Extender 6"
87-PBFE-12	Push Button Frame Pole Extender 12"
87-PBFS4.5X2-B	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Black
87-PBFS4.5X2-Y	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Yellow

#### 2 Wire Navigator Control Unit

87-CCU2EN	CCU (Add Hardware Kit if needed)
87-CCU2EN	CCU Including 6' Cable Hardware Kit
87-CCU2ENHK	CCU Hardware Kit (6' cable)
87-CCU2ENHK-8	CCU Hardware Kit (8' cable)
87-CCU2ENHK-12	CCU Hardware Kit (12' cable)
87-850-186	1st GEN Circuit Board (Replacement Part)
87-850-317	Latest GEN Circuit Board (Replacement Part)
87-850-217	CCU Cable Harness Assy (Replacement Part)
87-850-172	CCU Wall Mount Kit

#### iNS2 2 Wire Intellegent APS, (Base is always Black)

87 - ICCU-S2	ICCU - Shelf Model Including Hardware Kit
87 - ICCU-C2	ICCU - Rack Mount Including Hardware Kit
87 - ICCU-B	ICCU - BIU Model Including Hardware Kit
87 - ICCU-SHK	ICCU - Shelf Model Hardware Kit Only
87 - ICCU-CHK	ICCU - Rack Mount Hardware Kit Only
87 - ICCU-BHK	ICCU - BIU Model Hardware Kit Only

#### iNS2 Setup box

cust msg	Custom Message
Braile	Braile on Sign
87-Add -NA	No Arrow Button (Sign has arrow)
87-Add -BD	Bidirectional Button Add On
87-Add -ES	External Speaker Option (allow 8-10 weeks delivery)

#### iNS2 Push Button 5X7 Including 800-59 Reversible Sign

87-iNS25ANO-Y	5X7 iNS2 APS Push Button Station Black/Yellow
87-iNS25ANO-B	5X7 iNS2 APS Push Button Station Black/Black
87-800-59	5x7 Reversible Sign (Flashing Hand) Option B
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B
87-800H-86	5x7 Reversible Sign (Hand Man) Option A
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A

#### iNS2 9X12 Including 800-85 Reversible Sign

87-iNS29UNO-Y	9X12 iNS2 APS Push Button Station Black/Yellow
87-iNS29UNO-B	9X12 iNS2 APS Push Button Station Black/Black
87-800H-69	9X12 Reversible Sign (Flashing Hand) Option U
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U
87-800-85	9X12 Reversible Sign (Countdown) Option C
87-800-90	9X12 Bidirectional Sign (Countdown) Option C

#### iNS2 9X15 Including 800H-84 Reversible Sign

87-iNS23TNO-Y	9X15 iNS2 APS Push Button Station Black/Yellow
87-iNS23TNO-B	9X15 iNS2 APS Push Button Station Black/Black
87-800H-84	9X15 Reversible Sign (Countdown) Option C
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C
87-87-7YR	Extended Warranty to 7 years (Put a 1 in Quantity Box)

**4 Wire Ped Head Control Unit**

87-PHCU4W	PHCU (Need one per pushbutton)(Add Cable)
87-850-288-12	PHCU Interconnect Cable 12'
87-850-288-25	PHCU Interconnect Cable 25'
87-HK-011	PHCU4W Bracket Kit

**iNS3 3 Wire Intelligent APS, (Base is always Black)**

**iNS3 APS Miscellaneous**

87-iNS3-SUB	iNS3 Setup box
cust msg	Custom Message
Braille	Braille on Sign
87-Add -NA	No Arrow Button (Sign has arrow)
87-Add -BD	Bidirectional Button Add On
87-Add -ES	External Speaker Option (allow 8-10 weeks delivery)
87-iPHCU3W	Ped Head Control Unit (1 per Push Button)
87-iNS3-CABLE-12	12' interconnect Cable (1 per Control Unit)
87-iNS3-CABLE-15	15' interconnect Cable (1 per Control Unit)
87-iN-DGL	iNAV Bluetooth Dongle
87-iN-CCK-X	iNAV Color Change Kit (incl lid, exc screws)
87-iN- 90DEGADPTR-6	90 Degree Reach or Orientation Adaptor - 6 inch
87-iN- 90DEGADPTR-12	91 Degree Reach or Orientation Adaptor - 12 inch

**iNS3 Push Button 5X7 Including 800-59 Reversible Sign**

87-iNS35ANO-Y	5X7 iNS3 APS Push Button Station Black/Yellow
87-iNS35ANO-B	5X7 iNS3 APS Push Button Station Black/Black
87-800-59	5x7 Reversible Sign (Flashing Hand) Option B
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B
87-800H-86	5x7 Reversible Sign (Hand Man) Option A
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A

**iNS3 9X12 Including 800-85 Reversible Sign**

87-iNS39UNO-Y	9X12 iNS3 APS Push Button Station Black/Yellow
87-iNS39UNO-B	9X12 iNS3 APS Push Button Station Black/Black
87-800H-69	9X12 Reversible Sign (Flashing Hand) Option U
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U
87-800-85	9X12 Reversible Sign (Countdown) Option C
87-800-90	9X12 Bidirectional Sign (Countdown) Option C

**iNS3 9X15 Including 800H-84 Reversible Sign**

87-iNS33TNO-Y	9X15 iNS3 APS Push Button Station Black/Yellow
87-iNS33TNO-B	9X15 iNS3 APS Push Button Station Black/Black
87-800H-84	9X15 Reversible Sign (Countdown) Option C
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C

**Ped Detection Push Buttons (APS) Polara Navigator**

**APS Miscellaneous**

87-ECONFIG	EZ Comm Configurator
cust msg	Custom Message
Braille	Braille on Sign

87-850-278	Bidirectional Button Add On
87-850-275	Preemption Adapter for Opticom 500 or 700 series
87-850-390	Custom Cable Harness Assembly in CCU2ENHK-8( Cable #3, 8' for P\reemption
87-NPA4X2-X	Pole Adapter for two 9x12 or 9x15 Navs on one pole
87-NPA-B-FP	Pole Adapter for Fluted Pole (Black only)
87-EZ523-06	Navigator Pole Extender 6" (Galvanized Only)
87-EZ523-12	Navigator Pole Extender 12" (Galvanized Only)

#### Navigator 5X7 Including 800-59 Reversible Sign

87-EN25BNO-Y	5X7 Navigator Button (2 Wire) Yellow/Black
87-EN25BNO-PY	5X7 Navigator Button (2 Wire) Yellow/Yellow
87-EN25BNO-B	5X7 Navigator Button (2 Wire) Black/Black
87-EN45BNO-Y	5X7 Navigator Button (4 Wire) Yellow/Black
87-EN45BNO-PY	5X7 Navigator Button (4 Wire) Yellow/Yellow
87-EN45BNO-B	5X7 Navigator Button (4 Wire) Black/Black
87-800-59	5x7 Reversible Sign (Flashing Hand) Option B
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B
87-800H-86	5x7 Reversible Sign (Hand Man) Option A
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A

#### Navigator 9X12 Including 800-85 Reversible Sign

87-EN29CNO-Y	9X12 Navigator Button (2 Wire) Yellow/Black
87-EN29CNO-PY	9X12 Navigator Button (2 Wire) Yellow/Yellow
87-EN29CNO-B	9X12 Navigator Button (2 Wire) Black/Black
87-EN49CNO-Y	9X12 Navigator Button (4 Wire) Yellow/Black
87-EN49CNO-PY	9X12 Navigator Button (4 Wire) Yellow/Yellow
87-EN49CNO-B	9X12 Navigator Button (4 Wire) Black/Black
87-800H-69	9X12 Reversible Sign (Flashing Hand) Option U
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U
87-800-85	9X12 Reversible Sign (Countdown) Option C
87-800-90	9X12 Bidirectional Sign (Countdown) Option C

#### Navigator 9X15 Including 800H-84 Reversible Sign

87-EN23TNO-Y	9X15 Navigator Button (2 Wire) Yellow/Black
87-EN23TNO-PY	9X15 Navigator Button (2 Wire) Yellow/Yellow
87-EN23TNO-B	9X15 Navigator Button (2 Wire) Black/Black
87-EN43TNO-Y	9X15 Navigator Button (4 Wire) Yellow/Black
87-EN43TNO-PY	9X15 Navigator Button (4 Wire) Yellow/Yellow
87-EN43TNO-B	9X15 Navigator Button (4 Wire) Black/Black
87-800H-84	9X15 Reversible Sign (Countdown) Option C
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C

### Ped Signals (Countdown)

#### Ped Heads

190006	Ped Head Poly Yellow
190109	Ped Head Aluminum Yellow
191106	Ped Head Poly Black
191109	Ped Head Alum Black

#### Ped Heads with Clamshells

190110	16" Ped Head Aluminum Yellow with Clamshell
191110	16" Ped Head Aluminum Black With Clamshell

#### Clamshells

190006C	Aluminum Clamshell Yellow
191109C	Aluminum Clamshell Black

#### Astro Bracs for Ped Heads

20AS-0157-96	1W Ped Head (96" Cable)
20AS-0158-96	2W Ped Head (96" Cable)
0	Paint Adder For Assy (Add Color code Pxx)

**Leotek LED's for Ped Heads**

821002-IL-TXD	16" Countdown Ped
821002 48V	16" Countdown Ped (48 Volt DC)

**Ped Pole Assembly (Greater than 5' Pole)**

**Anchors, Poles, Bases and Collars**

201018	Anchor Bolts
20PB-5364	4" Screw in Anchor
300008	8" Screw in Anchor
201502	Square Base
Paint Adder	Paint for Base
PB-5303-PNC	2 Piece Dec Cover
20PB-5378	Grounding Lug PB-5378-BRS
PNS-10-501312GR	Grounding Rod with Clamp and Wire
201020	Collar
PB-5325-PXX	Collar Paint
PB-5325-PXX	Painted Collar
201001	10' Aluminum Pole
201001B	10' Aluminum Pole (Paint)
PB-5100-11-PNC	11' Aluminum Pole
PB-5100-11-PXX	11' Aluminum Pole (Paint)
201022	12' Aluminum Pole
201022B	12' Aluminum Pole (Paint)
201043-13	13' Aluminum Pole
PB-5100-13-PNC	14' Aluminum Pole
201043	15' Aluminum Pole
201043B	15' Aluminum Pole (Paint)
201043-16	16' Aluminum Pole
201043-17	17' Aluminum Pole
201043-18	18' Aluminum Pole
201071	20' Aluminum Pole
PB-5200-10-GLV	Steel Pole 10'
PB-5201-10-PXX	Steel 10' Pole (Paint)
201041-15	Steel 15' Pole
PB-5200-15-GLV-PXX	Steel 15' Pole (Paint)
201007	Cap
PB-5402-PNC	Cap-Painted
Paint Adder	Paint for pole (per ft)

**Ped Pushbutton Pole (5' or Less Pole)**

**Anchors, Poles, Bases and Collars**

201018	Anchor Bolts
20PB-5364	4" Screw in Anchor
300008	8" Screw in Anchor
201502	Square Base
Paint Adder	Paint for Base
PB-5303-PNC	2 Piece Dec Cover
20PB-5378	Grounding Lug PB-5378-BRS

PNS-10-501312GR	Grounding Rod with Clamp and Wire
201020	Collar
PB-5325-PXX	Collar Paint
PB-5325-PXX	Painted Collar
201120-4	4' Aluminum Pole
201043-5	5' Aluminum Pole
PB-5200-04-GLV	Steel 4' Pole
PB-5201-05-GLV	Steel 5' Pole
PB-5201-05-PXX	Steel 5' Pole (paint)
201007	Cap
Paint Adder	Cap-Painted
Paint Adder	Paint for pole (per ft)

**Polara Installion Labor (CTC)**

CTCINSTALL	APS Install (8 Navigators and CCU, No Wire Pulling) 8 Hours \$125 per hour
CTCINSTALL	APS Install (8 Navigators and CCU, With Wire Pulling) 8 Hours \$125 per hour and 8 hours \$210
CTCINSTALL	15' Pole Installation – Screw in Anchor or Bolts 4 Hours \$260 per hour