Push Button Activation

Push buttons allow pedestrians to manually activate BlinkerSign® LED Signs, Rectangular Rapid-Flash Beacons (RRFB), BlinkerBeacon™ LED Beacons, in-pavement LEDs and other ITS devices.

TAPCO offers mechanical and solid state push buttons, including simple push buttons, as well as push buttons with visual (red LED) & audio confirmation or an audible voice message. All TAPCO push buttons meet ADA and MUTCD requirements and provide dependable, precise control with minimal maintenance. All push buttons can be mounted on traffic poles or on remote pedestal poles near the devices you wish to activate.

PUSH BUTTON WIRELESS PEDESTAL POLE OPTION

Push buttons mounted on stand-alone pedestal poles provide wireless communication between the push button and the device or devices you wish to activate synchronously. TAPCO’s BlinkerBeam® transceiver radios (see reverse side of this page), controller and battery are all housed in each pedestal base (shown in photo at right). BlinkerBeam® wireless radios reduce your labor and installation costs significantly by eliminating the need for digging, trenching and electrical service.

PUSH BUTTON SYSTEM OPTIONS

TAPCO BlinkLink™ is a cloud-based app that allows you to monitor and control your ITS devices device status from any web-enabled computer. It provides comprehensive management of ITS device settings and schedules, and can send user-defined email and text message device alerts. Up-to-date information allows you to respond immediately to changing situations.

TRAFFIC & PARKING CONTROL COMPANY

Visual confirmation, voice message push button station

Pedestal pole with push button and base housing wireless communication system

Visual /audio confirmation push button

Standard push button
### Mechanical Properties

**Bezel:** Aluminum  
**Actuator:** Stainless Steel  
**Hardware:** Stainless Steel  
**Finish:** Powder Coat  

### Electrical Specifications

**Operating Voltage:** TS1 & TS2 (12–24V AC/DC)  
**Line Voltage:** 50 V  
**Switch Current:** Max 200–500A  
**On Resistance:** < 20 ohms  
**Operating Mode:** NO  
**Closure Dwell:** 150ms  

### Operating Data

**Operating Force:** < 3 lbf  
**Operating Temperature:** -40˚C to 80˚C (-40˚F to 176˚F)  
**Operating Life:** 100x10⁶  
**IP Rating:** 68  

### Mechanical Properties

**Body Material:** Aluminum, Powder Coated  
**Button Material:** 316 Stainless Steel  
**Arrow Button:** Anodized 6061 Aluminum, Nickel Plated Black Powder Coat on area surrounding arrow  

### Electrical Specifications

**Operating Force:** 2.0 lbs. Maximum  
**Operating Temperature:** -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.  

### 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:** 2.6kHz  
**Beep on Release:** 2.3kHz  

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**Optional BlinkerBeam® Wireless Communication**

Push buttons can activate BlinkerBeam® solar/battery-powered transceiver radios. These compact controllers activate one or more BlinkerSign®, BlinkerBeacon®, RRFB and other ITS devices wirelessly within a 1000 ft. range, up to one mile with an external antenna.

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**Details on page:**

- Typical Movement Push Button
- Bulldog III Push Button
- XAV2-LED Push Button

**Specify:**

- Standard push button
- Visual/audio confirmation push button
- Visual confirmation, voice message push button station