

# GP3 Pedestrian Button Station

## Product Information Sheet

Designed for heavy duty arterial roadway environments, the GP3 will provide years of service providing support for APS traffic signal buttons. With a minimal footprint of less than 0.5 square feet, the unit provides excellent stability for signs and pedestrian traffic signal activation buttons. The GP3 utilizes high grade aluminum castings and schedule 40 aluminum pipe with excellent surface coatings that provide long term maintenance free operation for the agency installing and maintaining the device. The GP3 is also designed with break-away in mind. A low cost baseplate is easily replaced in the event of a knockdown. Another key feature to the GP3 is its ability to be mounted directly to the sidewalk surface eliminating the need for matching into foundations which can be difficult when trying to meet the latest ADA standards. Designed by people from the traffic industry, the GP3 is the heavy duty solution for meeting today's stringent accessibility requirements.



GP3 photo to the left with APS system. (APS system not included.)

### GP3 Features:

- *Excellent access for the user*
- *Heavy duty design*
- *Access cover*
- *Easy installation*
- *Low cost replacement break-away design*
- *Minimal footprint*
- *Mounts directly to concrete surface or foundation*
- *Smooth, catch free surfaces*
- *Simplifies meeting ADA requirements*
- *High quality finishes provide excellent long term appearance with minimal maintenance*
- *Reflective sheeting for improved visibility*

### Ordering Options:

<b>Mounting System:</b>	Surface Mount: All-thread Anchors with MnDOT approved epoxy	Foundation Mount: Anchor bolts
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<b>Finishes:</b>	Anodized Natural Gray	Powder-Coat Natural Gray	Powder-Coat Jet Black	Powder-Coat Traffic Yellow
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Tip Indications - 22480 County Rd 75 - St. Cloud, MN 56301

(320)-250-3744

[www.tipindications.com](http://www.tipindications.com)

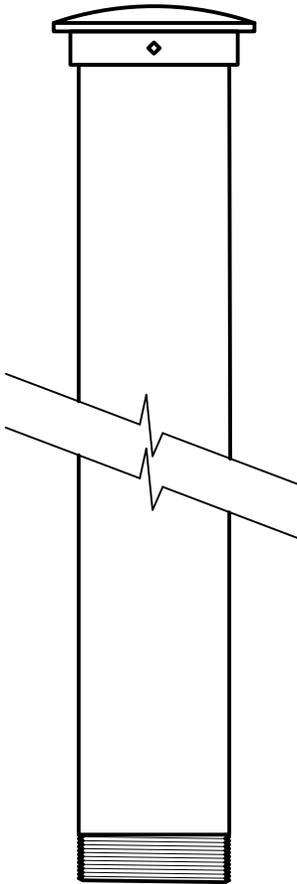
## GP3 Specifications

The 60 inch APS pedestrian button support shall be constructed in the following manner:

1. The APS support unit shall be constructed of two primary pieces consisting of a cast aluminum base plate and a combination cast aluminum modified obelisk shape with bolt on aluminum cap.
2. The base plate shall be constructed of cast aluminum using 319 grade aluminum. The base plate shall be a nominal 6 inches by 6 inches square and .75 inches thick with breakaway tab points of approximately .375 inches in height by 1.6 inches in length and .35 inches in depth. The base plate shall have four, .375 inch drilled and tapped mounting holes evenly spaced breakaway tabs to secure the square tapered casting utilizing a stainless steel .375 inch by 1.0 inch Allen head button cap screw. The base plate shall have an open center hole with a nominal diameter of 3.850 inches. The base plate shall have four slotted anchor bolt holes with a nominal dimension of .675 inches by 1.5 inches evenly spaced with an optimal bolt circle of 6.0 inches.
3. The square tapered base assembly shall be constructed of cast aluminum using 319 grade aluminum. The unit shall be approximately 10.0 inches in height and approximately 6.875 inches by 7.1 inches in its outer rectangular dimensions with a nominal wall thickness of .35 inches. The housing shall taper to a top dimension of 5.5 inches by 5.5 inches. The top 2 inches of the housing shall taper more aggressively and be just large enough at the pinnacle of the housing to provide a top opening for a schedule 40 pipe with 4" NPT. The base shall provide a hand access hole with a minimum dimension of 3.75 inches by 5.75 inches. The square tapered base shall incorporate a removable stainless steel cover of approximately 5.95 inches in height by 4.75 inches in width. The removable cover shall be constructed of a minimum 14 gauge stainless steel plate with a single .3125 x 1 inch stainless steel Allen head button cap screw. The removable cover shall utilize two right angle retainer tabs at the bottom to secure the lower portion of the cover.
4. The primary support tube shall be a 50 inch by 4.0 inch schedule 40 anodized aluminum pipe. The cap shall be a bolt-on cast aluminum cap with .25 inch stainless steel square headed set screws. The tube shall be threaded and secured to the base housing by 1.5 inches of NPT on the tube. The tube shall be locked into place by two lock bolts on diagonal corners at the top of the square tapered base.
5. All mechanical fasteners between aluminum components shall be stainless steel.
6. All mechanical fasteners shall be coated with a high grade anti-seize material when fastening one component to another.
7. Anodized units shall be a natural aluminum gray color with a satin finish. Aluminum castings are not expected to perfectly match in color with aluminum extruded or sheet materials. All aluminum parts and pieces are to be anodized. Anodizing shall follow ASTM designation B611 standards. The anodized surface coating shall be considered "Architectural Class I" with a nominal coating thickness of 15 micro-meters.
8. The standard materials shall include: 1) anodized base housing assembly, 1) anodized base plate assembly, 1) stainless steel cover plate, 5) 5/16" x 1" stainless steel Allen head button machine screws, 2) 5/16" x 1.5" stainless steel Allen head button machine screws, 4) 5/16" x .0485" stainless steel flat washers. Optional Kit "A" includes: 1) anodized 4" x 50" schedule 40 aluminum tube with 1.5" of national pipe threads at one end, 1) anodized cast aluminum cap. Optional Kit "B" includes: 4) 5/8" x 7.5" stainless steel threaded rods with chamfered ends, 4) 5/8" stainless steel threaded nuts, 4) 5/8" stainless steel heavy duty washers for anchor bolts, 1) standard caulking tube of two part epoxy that meets MnDOT APL listing.
9. Installation of the stainless steel anchor bolts shall be per MnDOT 2565.3R.
10. Installation of the GP3 unit shall be per instructions on the TIP Indications Website:  
[TIPindications.com/product\\_support](http://TIPindications.com/product_support)

Optional Kit "A" that can be supplied with the approved base kit

- 1) 4" Anodized Cast Aluminum Cap Assembly
- 1) 4" x 50" Anodized Aluminum Pole Assembly



Optional Surface Mount Kit "B"

- 4) 5/8" SS Hex Nuts
- 4) 5/8" SS Heavy Duty Flat Washers
- 4) 5/8"x7-1/2" Stainless Steel All-Thread Anchors
- 1 - EPOXY CAULK  
(Meets MnDOT APL Epoxy Requirements)

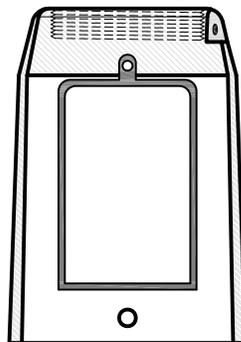
MnDOT Approved Base Kit  
Part Number:  
B-GP3-7-7-10-AA-4T

**Fasteners**

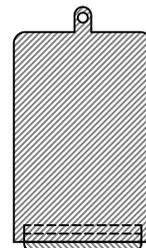
- 1) stainless steel 5/16" x 1.0" x 18 tpi SAE Allen head button capscrews for cover
- 2) stainless steel 5/16" x 1.5" x 18 tpi SAE Allen head capscrews for locking pole
- 4) stainless steel 5/16" x 1.0" x 18 tpi SAE Allen head capscrews for securing base to breakaway plate
- 4) stainless steel 5/16" x .0485" thick washers for breakaway base bolts

Note: All aluminum components are anodized per specifications.

1) Base Housing Assembly



1) Stainless Steel Base Cover Plate Assembly



1) Grounding Lug & SS fastener



1) Base Assembly



4) Zink Coated Universal Steel Shims

