

Installation Instructions for the GP3 Pedestal Pole

for APS pedestrian buttons.







Components of GP3 Pedestal Pole







GP3 Pedestal Pole Step-by-Step Installation Instructions.




Step	Step Name	Step Description	Photo
1	Prepare Pole Assembly	<p>Liberally apply a high quality anti-seize paste to the threads of the four inch pole. Thread pole into base. Verify that the rotational locking button cap screws are not into the threaded portion of the base. Only finger tighten locking cap screws at this time.</p>	
2	Prepare Baseplate Assembly	<p>Apply anti-seize paste to lug button cap screw. Align lug to be parallel with baseplate assembly. Tighten with Allen wrench.</p>	
3	Determine Leveling Method	<p>Refer to agency's pedestal pole leveling specifications. Leveling methods may vary using systems including leveling nuts, washers, shims, etc.</p>	
4	Install and Level Baseplate	<p>Place baseplate on leveling system. Level in both directions. Place heavy duty flat washers and nuts on baseplate. Tighten nuts.</p> <p>IMPORTANT: MAKE SURE THERE IS MINIMAL GAP BETWEEN LEVELING DEVICE(S) AND BASEPLATE TO MINIMIZE CHANCES OF BASEPLATE DEFORMATION OR FRACTURING.</p>	


5	Fasteners and Tightening	Install remainder of flat washers and nuts. Evenly tighten all nuts on anchor bolts.	
6	Install Base and Post Assembly	Place the cast aluminum base and pole assembly over the baseplate assembly. (Face the door opening to the proper side) Spread a high quality anti-seize paste on the stainless steel button cap screw threads securing the base to the baseplate. Hand-tighten the base button cap screws into the baseplate.	
7	Pre-Torque Baseplate Allen head button cap screws	Using a small hand set of Allen wrenches, pre-torque the baseplate button cap screws starting with the side button cap screws and then tightening the front and rear button cap screws.	
8	IMPORTANT! Torque Baseplate Allen head button cap screws	Use a 3/8" drive Allen wrench socket with an accurate inch pound torque wrench. TORQUE THE TWO SIDE BUTTON CAP SCREWS 90 – 95 INCH POUNDS AND THEN THE FRONT AND REAR CAP SCREWS 90 – 95 INCH POUNDS. PROPER TIGHTENING OF THE BUTTON CAP SCREWS IS CRITICAL TO ALLOW THE BREAKAWAY TABS TO FUNCTION PROPERLY!	

9	Mark Height of Pushbutton	Use a tape measure to mark height of pedestrian push button. Use the adjacent sidewalk as a reference. Most buttons are mounted 42 inches above the adjacent sidewalk.	
10	Mark Mounting Holes	Align the APS button on the pole. Use an awl or long center punch to mark the center of the APS button mounting holes.	
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CHECK ON SPECIFICATIONS TO VERIFY WHICH APS MOUNTING METHOD TO USE. THREE DIFFERENT METHODS ARE SHOWN BELOW.			
11a	APS Mounting Method 1. Thread Mounting	Drill hole in pedestal pole required for mounting bolt threads.	



11b	Thread Mounting	Tap threads into pole.	
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IF YOU USED THE THREADED METHOD, ADVANCE TO STEP 14

12a	APS Mounting Method 2. Nut Mounting	Drill holes into pole 1/32" larger than the APS button mounting machine screw size.	
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12b	Nut & Bolt Mounting	<p>Use a specified fastener and secure lock-washer and nut in the pole assembly.</p> <p>(This step is being shown out of order to provide additional information on the nut and bolt mounting system)</p> <p>Note: On systems with welded pole caps the nut and bolt mounting method would be very difficult.</p>	
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IF YOU USED THE BOLT AND NUT MOUNTING METHOD, ADVANCE TO STEP 14

13a	APS Mounting Method 3. Threaded Insert Mounting	Drill holes out to the specified size required for the threaded insert.	
13b	Threaded Insert Tool	Place threaded insert onto threaded insert tool and expand the insert into the hole.	
ADVANCE TO STEP 14			

14	Pull Electrical Cable	Drill the necessary holes for APS button electrical connections. Pull electrical cable through hole with a string or fish-tape.	
15	Mount Button Assembly	Make electrical connections and apply water sealants, boots and gaskets per APS manufacturer's specifications. Apply anti-seize to machine screws. Tighten with hand tools. Install signs and related APS equipment.	
16	Install Post Cap	Loosen and remove set screws from the cast aluminum post cap. Spread anti-seize on the threads of the set screws. Place cap on top of the post verifying it is setting flat. Install set screws and evenly tighten with an adjustable wrench. DO NOT OVERTIGHTEN!	
17	Lock Rotational Button Cap Screws Install Door &	After checking the APS button for alignment, tighten the two rotational cap screws located in the top of the base. DO NOT OVERTIGHTEN! Install stainless steel door. Spread anti-seize paste on the threads of the button cap screw. Tighten cap screw.	

18	Reflective Sheeting	<p>Check with specifications to verify location of reflective sheeting. Measure down from bottom of post cap. Temporarily place reflective sheeting around the pole so it can be marked. (Do not remove sheeting backer at this time.) Place the seam on the back side of the pole.</p>	
19	Align the Sheeting With the Mark	<p>Remove the sheeting backer. Center the sheeting on the front side of the pole. Visually align the sheeting with the mark and wrap one side at a time to the back of the pole.</p>	



Completed GP3 Installation in St. Cloud by Crossroads Mall.

The GP3 pedestrian button station should give years of low maintenance service. Its ability to be mounted directly to a sidewalk allows for simplified installation of APS equipment where other systems requiring foundations may be difficult to match sidewalk grades or meet ADA requirements. The GP3 is also easily replaced during any season throughout the year.

Available through:

Tip Indications – 22480 County Rd 75 – St. Cloud, MN 56301



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