

SWING ARM MOUNT ASSEMBLY

"CLAM-SHELL" STYLE FOR PED SIGNAL MOUNT



- Mounts the Ped Signal "Tight to the Pole"
- Flexible Mounting, Including Through-Bolt and Band-It
- Vandal-Proof Exterior Lock
- Dedicated Models Provide for Left or Right Hand Mounting
- Clean & Easy Installation

Please specify powder-coated finish when ordering.



Swing Arm Mount Assembly, "Clamshell" style for PED Signal Mounting, Three & Twelve Position Terminal Block, Set of Door & Base.

MODEL	DESCRIPTION
SAM-8505R-3	Swing Arm Mount Assembly Right, 3-Pos. Terminal
SAM-8510L-3	Swing Arm Mount Assembly Left, 3- Pos. Terminal
SAM-8600-12-L	Swing Arm Mount Assembly Left, 12- Pos. Terminal
SAM-8605-12-R	Swing Arm Mount Assembly Right, 12- Pos. Terminal

Whether you prefer bolting or banding, installation of the SAM-8600/SAM-8505 is quick and hassle-free. Two separate models allow for left - or - right hand mounting, so that the Ped unit always swings away from the street.

Since a single hex key gives you full access to the wiring block, it's hard to imagine how servicing could become any more convenient. By creating a simple, streamlined shape, the SAM-8600/SAM-8505 even makes signals easier to look at.

Of course, there is only one group the SAM-8600/8605/SAM-8505/8510 makes things tougher for...vandals. Its exterior lock and solid construction assure that. Which should make everyone else's job just that much easier.



**General
Traffic
Equipment
Corporation**

259 Broadway, Newburgh, NY 12550

(845) 569-9000

TOLL FREE:

(800) 222-2828

FAX:

(845) 569-1800

EMAIL:

info@generaltrafficequip.com

www.generaltrafficequip.com

General Traffic Equipment



SPECIFICATIONS



The subject mounting hardware shall be a two-piece, die-cast aluminum alloy assembly. The two separate castings shall be joined in the final assembly by the use of stainless steel spring pins. The spring pins shall be factory installed into the hinge ears which shall be integrally cast into the pole half of the assembly. Final mating of the two halves shall be accomplished by inserting the spring pins into the drilled hinge ears of the head half of the assembly (loose fit).

APPLICABLE INSTALLATION

The pole half of the assembly shall be designed to adapt to a wide range of pole configurations (4" /102mm minimum diameter). The pole mating surface shall be configured much like terminal compartments used for conventional bracket mounting.

The half of the assembly mounted to the pole shall not weigh more than 2.5 lb., thus facilitating rapid installation.

ADAPTABLE MOUNTING

Unit construction shall allow for through-bolt, bolt to tapped pole, lag screw and band-it type mounting. Through bolt mounting shall accept two 1/2" (13mm) diameter hex head bolts located on 9" (229 mm) inch centers. A channel with a recessed shoulder shall be included to retain the bolt head (or nut) and thus prevent rotation. Clearance shall be provided on the mating half of the assembly such that the bolt can extend through the nut when it is desired to enclose the nut and bolt end rather than the bolt head.



The swing arm mount assembly mounting system shall include an option for bolting directly to a tapped pole or lag screwing directly to a wood pole.

Band-it type mounting shall be provided integrally casting two recessed slots near the top and bottom of the pole half of the assembly. The corners of this slot shall be relieved to prevent damage to the band-it type strapping material. Approximate dimensions of each slot shall be 7/8" wide and 1/8" deep thus adequately retaining 3/4" (19 mm) strapping material.

IMPROVED MOUNTING LOCATION

The subject mounting hardware shall allow a "pole to pedestrian signal" clearance of approx. 3"/76 mm thus providing stronger and more rigid mounting than conventional bracket mounts. This close spacing between the pole and the pedestrian signal in most locations should reduce the vulnerability to damage by curb-hugging trucks and should be esthetically more pleasing to the eye.

30-DEGREE ADJUSTMENT

The bolt hole shall be elongated from side to side and the recessed shoulder shall be curved to allow rotation of the installed assembly 15 degrees in either direction from center for a total of 30 degrees (when installed on a 4"/102 mm pole).



SPECIFICATIONS



VANDAL - PROOF INSTALLATION

The head half of the assembly shall be secured to the pedestrian signal with four 5/16" (-18) bolts. The pedestrian assembly shall be mounted on the pole by lining up the mounting pins of the pole half with the mounting ears of the pedestrian assembly and lowered to the permanent position. The pedestrian assembly shall then be rotated until the swing arm mount assembly is closed. Locking is accomplished by inserting the flat head socket bolt and tightening with a 3/16" allen wrench.

TERMINAL BLOCK AND DUAL WIRING

Model SAM-8600-12 shall have twelve sets of screw terminal pairs located on a terminal block in the pole half of the swing arm mount assembly. Models SAM-8505R-3/SAM-8510L-3 shall have three sets of screw terminal pairs located on a terminal block in the upper third of the head half of the swing arm mount assembly. A corresponding rain shield shall be provided for both models in the upper third of the pole half to prevent water intrusion. A closed cell neoprene sponge gasket shall be provided on the mating surfaces of the two halves of the assembly to complete the rain-tight construction.



Provisions shall be provided to allow wiring to the field wires by conventional screw type terminals or by quick disconnects. Field wires shall be a maximum of AWG 12. When pedestrian signals and swing arm mounting hardware are ordered concurrently, the swing arm mounting hardware shall be mechanically assembled and wired to the pedestrian signal on the side specified. If top and bottom holes exist in the mating pedestrian signal, such holes shall be plugged as part of the swing arm mount installation procedure.

WEIGHT

The subject swing arm mounting hardware assembly shall weigh 4.8 lb. maximum.

DIMENSIONS

11" H x 5.125" W (including hinge ears) x 2.625" D

FINISHING

Prior to assembly, the swing arm mounting hardware shall be thoroughly cleaned and then etched with an iron phosphate solution. An appropriate chemical sealer is then applied. For all gloss finish colors, a top grade T.G.I.C. polyester powder is electrostatically applied and oven-baked. To provide a true low luster flat black, an epoxy hybrid powder is applied in the same manner. This material chalks black and is often referred to as a "self-cleaning" flat black. This process yields a high quality and very durable finish.

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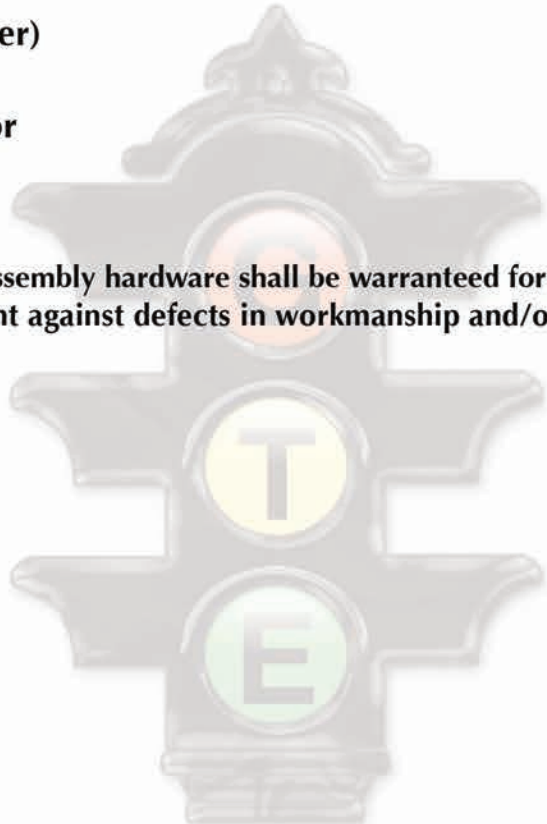
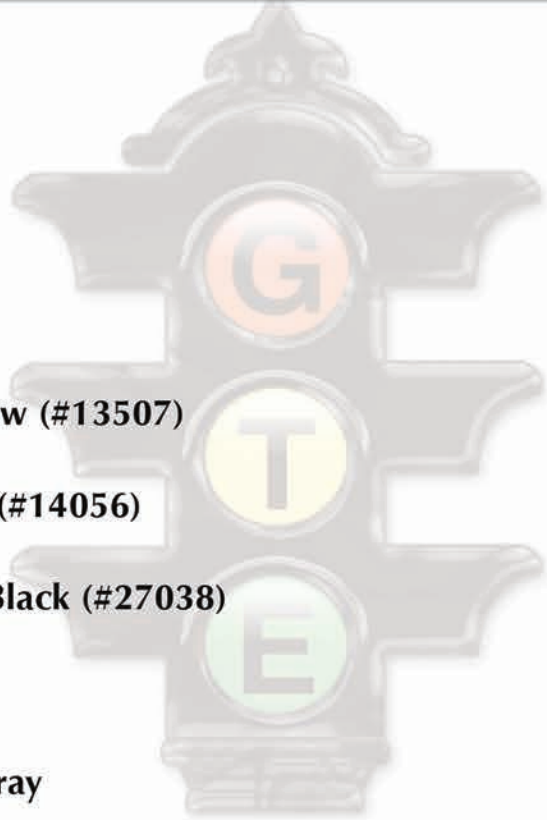


SPECIFICATIONS



OPTIONAL COLORS

-  Federal Yellow (#13507)
-  Dark Green (#14056)
-  Semi-Gloss Black (#27038)
-  Flat Black
-  Battleship Gray
-  Natural (Silver)
-  Custom Color



WARRANTY

The swing arm mount assembly hardware shall be warranted for two (2) years from the date of original shipment against defects in workmanship and/or materials.