

Installation Instructions

Dual Post and Cable Management System for Siemens VersiCharge™ Charging Station



Catalog Number: VCPOSTGRY2, VCCMSSP & VCCMSDP



For use with VC30GRYU, VCSG30GRYUW and VCSG30GCPUW

Applications include any public or private place where Electric Vehicle charging is required. These places may include homes, both single and multifamily, places of business, commercial institutions, etc.

NOTE: This instruction outlines the recommended general procedure for installation by a qualified person, as defined by all local electrical codes and/or the National Electrical Code ®.

PERMITS: Be aware that many areas require special permits and/or utility approvals to install EV charging equipment. Contact your local electrical inspector's office and your local utility prior to beginning work to understand local requirements.

WARRANTY: See Siemens' standard terms and conditions below with regards to warranty of purchase.

www.usa.siemens.com/VersiChargeWarranty

TOUCH UP PAINT: See link below for replacement paint if needed for aesthetic restoration throughout life of post:

<http://www.lowvolumepowder.com/RAL7035-Color-Plate.html>

® The National Electrical Code is a registered trademark of the National Fire Protection Association



DANGER Hazardous voltage. Will cause death or serious injury. Disconnect before working on this equipment. This indicates a situation where the present voltage could cause injury or death. Extreme caution is required when servicing or installing the equipment referenced.



DANGER Explosion hazard. This equipment has arcing or sparking parts that should not be exposed to flammable vapors. Use extreme caution and follow instructions carefully.



WARNING! This indicates a situation where failure to follow instructions may be a safety hazard or cause equipment malfunction. Use extreme caution and follow instructions carefully.

These instructions do not purport to cover all details or variations in equipment, or to provide for every possible contingency to be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Siemens sales office or Siemens Customer Service available at 1-800-SIEMENS. The contents of this Instruction Manual shall not become part of or modify any prior or existing agreement, commitment, or relationship. The sales contract contains the entire obligation of Siemens. The warranty contained in the contract between the parties is the sole warranty of Siemens. Any statements contained herein do not create new warranties or modify the existing warranty.

**Contact Information**

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www.usa.siemens.com/versicharge

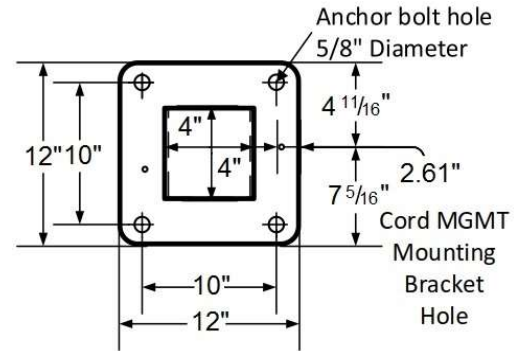
info.us@siemens.com

Dual Post and Cable Management System for Siemens VersiCharge™

VersiCharge units sold separately

Features:

- Single or dual mount pedestal
- Siemens VersiCharge standard bolt pattern
- 4" Aluminum pedestal post - .120" thick
- Aluminum pedestal base - 3/4" thick
- Powder coated with primer undercoat for environmental durability
- Pedestal doubles as an electrical raceway



Viewed from Underneath Pedestal Base

Supplied Parts:

Pedestal

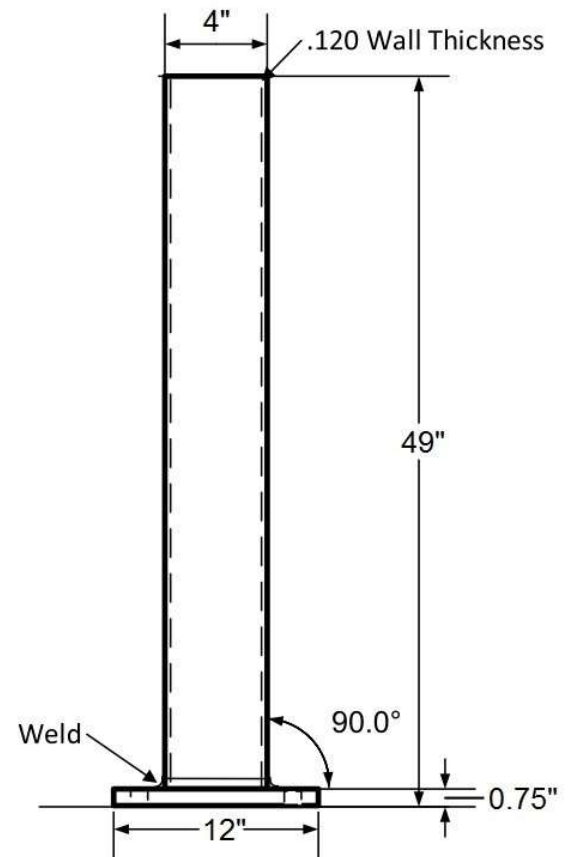
- One 4" x 4" x 48" Square Pedestal
- One 4" x 4" Plastic End Cap Plug
- Two 1/4-20 x 1/2" Machine Button Head Philips Screws
- Two 10-32 x 1" Machine Button Head Tamper Resistant Screws
- One 3/4" NM Flex Right-Angle Connector
- One 3/4" NM Flex Straight Thru Connector
- One 1" to 3/4" Reducer Washer
- One 3/4" x 16" NM Liquid-Tight Flexible Conduit

Cord Retractor (Optional)

- One 2" x 2" x 78-3/4" Aluminum Post (1-for single unit or 2-for dual)
- One White Polyester Cable
- One 5/16" x 3/4" Bolt with Washer
- One 3/8" x 1 1/4" Bolt with Washer
- One Cord Clamp for Cord Retractor
- One Cast Iron Counterweight (11 lbs.)

Miscellaneous

- Four Drop-In Anchors
- Four Stainless Anchor Bolts with Washers
- One Tube of Silicone Sealer
- Two 0.312" Locking Hole Plugs
- One 1" Locking Hole Plug
- Two 0.375" Locking Hole Plugs





DANGER Hazardous voltage. Will cause death or serious injury. Please consider all safety warnings in the VersiCharge Installation and Operation manual (document # 813776) prior to wiring. To reduce the risk of fire, connect only to a circuit provided with 40 amperes maximum branch circuit overcurrent protection in accordance with the ANSI/NFPA 70 National Electrical Code. VersiCharge EV charging stations can draw up to 30A at 240 VAC, 50/60 Hz (7.2kW of power). Refer to section 3.4 of the VersiCharge Installation and Operations Manual for instruction on removing the cord-and-plug assembly and steps for hardwired installation. Use 6-8 AWG, 75°C copper wire to connect to supply circuit. Ensure breaker is off during all electrical work.

All pedestals shall be factory predrilled for installing two (2) Siemens VersiCharge EVSE units. The post product is compatible with the VC30GRYU product, the VCSG30GRYUW product and the VCSG30GCPUW product. Installation height is regulated by NEC®; however, this can vary based on local jurisdiction. NEC® 2011 specifies: Outdoor (NEC® Article 625.30B) = installation 24-48 inches above ground level. Use appropriate tools and hardware to fasten equipment, see details.

Concrete Pad, Power Feed & Anchor Requirements

Provide an approved concrete or composite base with the top flush at ground level, with 12" conduit stub-up centered. The conduit shall be sized to provide 3 wires (L1, L2, GND) for each charger being mounted. The base size should be a minimum of 18" x 18" x 18" and can be poured or pre-cast / pre-made. It is recommended to install protective concrete filled steel bollard posts and/or curb stops to protect the charger from an automobile strike. Feed wire size shall be determined by a qualified electrician using industry standard calculations. Using the provided drop-in anchors with a concrete base, secure the pedestal to the base. If using a composite base, secure as per manufacturer's instructions. Remove the pedestal access plate and place to the side. You have the option to run the power supply underground bringing it in through the bottom of the pedestal – or, if the conduit is run above ground, the wires may be brought in through the side of the post by drilling a hole for the conduit penetration through the pedestal.

For Single VersiCharge Mounting

See page 8

1. Locate center of pedestal to attach the VersiCharge mounting bracket.
2. Locate 4 mounting bracket holes per attached plan (items C and D on pages 8 - 11).
3. Attach the Mounting Bracket to the pedestal using two ¼-20 phillips screws (D), torque to 14.5 lb.-in, placing silicone sealer at each hole to provide a liquid-tight securement.
4. Place the VersiCharge unit bottom mounting tab into the corresponding slot of the mounting bracket.
5. Rotate the unit towards the pedestal so that the top hook on the unit goes over the top mounting bracket and slide down.
6. Attach the unit to the mounting bracket and pedestal using two 10-32 tamper resistant screws (C), torque to 14.5 lb.-in, placing silicone sealer at each hole to provide a liquid-tight securement.
7. Install NM flex conduit to the rear opening of the VersiCharge unit and terminate using provided ¾" NM straight connector and reducer washers.
8. Attach the NM flex conduit to the top right side of the pedestal using the provided ¾" NM right-angle connector.
10. Pull/feed the power wires through the conduit and trim to the proper length to reach the charger connection points. Leave enough slack (15" to 20") in the wires inside the post to allow unrestricted access. Using a fold in the wires and a zip-tie(s), secure the wire bundle so wires are not touching the inside of the pedestal post.
11. Continue with manufactures' instructions for 'Wiring Steps for Hard-Wired Installation' in the VersiCharge Installation and Operation manual (document # 813776).

For Dual VersiCharge Mounting

See page 9

1. All steps for single unit mounting shall be repeated on two (2) sides of the pedestal.

For Single Cord Retractor Mounting

See page 10

1. Align the square Cord Retractor body along the right side of the charging station.
2. The upper retractor bracket is threaded and slides the length of the retractor post. Locate the $\frac{5}{8}$ " hole located at the top of the pedestal on right side, align unit with mounting bracket in place. Place the washers on the $\frac{5}{16}$ " x $\frac{3}{4}$ " bolt before inserting to space the bracket bolt so it is fully threaded into the upper bracket but DOES NOT penetrate the retractor post. Insert bolt with washer from the inside of the post and tighten, torque to 14.5 lb.-in. Use silicone sealer between the pedestal post and retractor post to make it liquid-tight.
3. Make sure unit is plumb with hole at the baseplate, and anchor to baseplate with $\frac{3}{8}$ " anchor bolt.
4. Tighten all bolts. Seal pedestal bolt hole with an outdoor rated silicone to ensure it is water tight.
5. Install cord clamp in a location on the cord which keeps it off the ground when the connector is in the 'parked' or 'holstered' position. Use black electrical tape to take up any gap between the cord and the inside of the clamp. Tighten the clamp enough to not allow the cord to slide.

For Dual Cord Retractor Mounting

See page 11

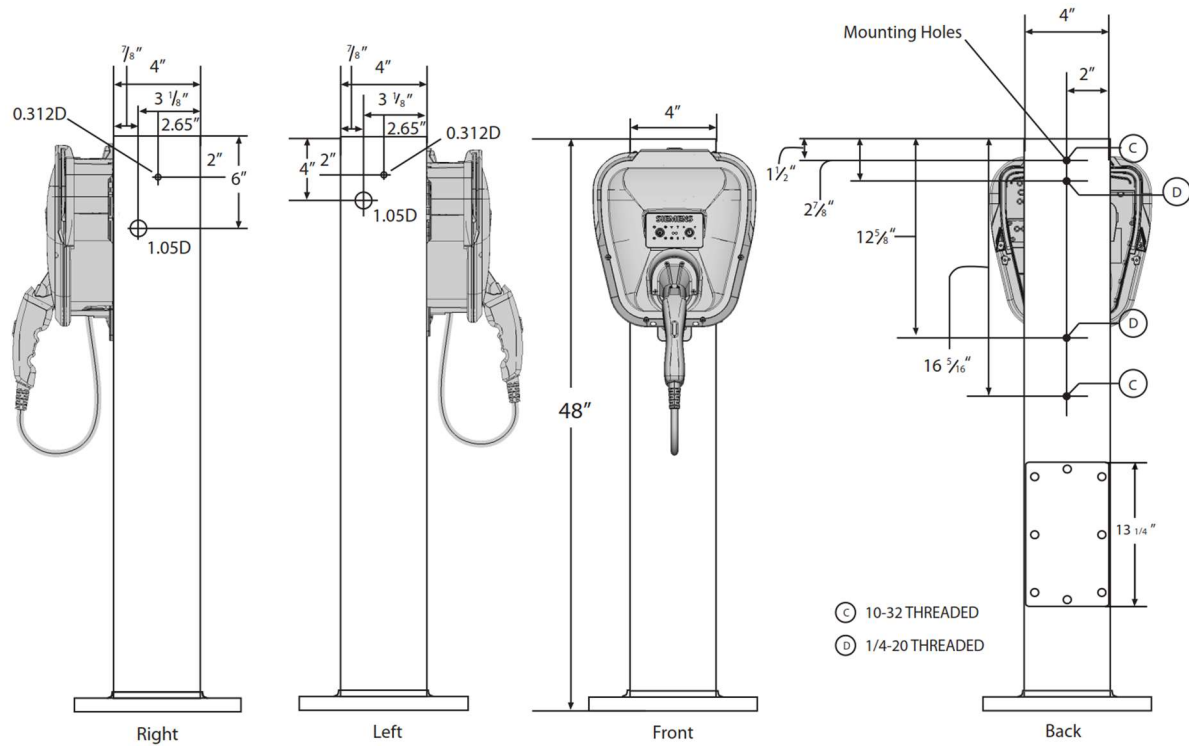
1. All steps for single cord retractor shall be repeated on two (2) sides of the pedestal.

Installing the Access Cover and Top Cap

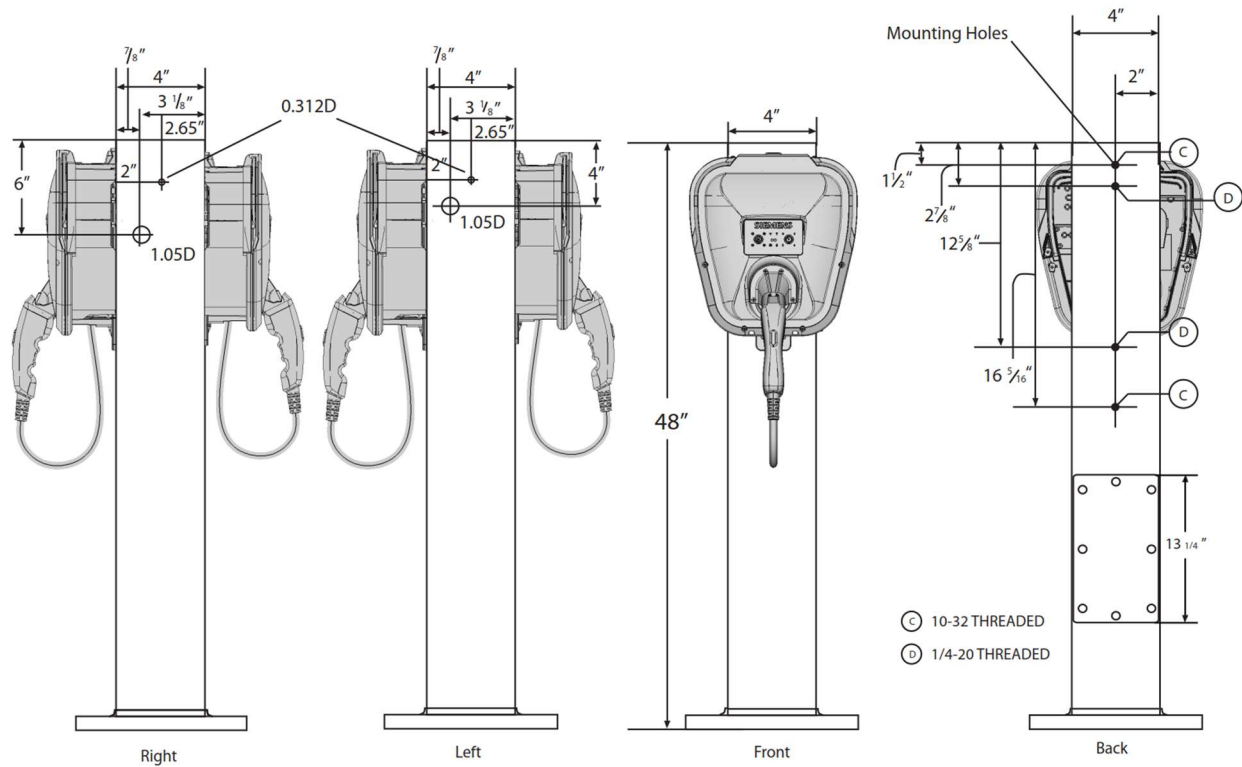
Once all the above steps are complete and all screws, bolts, fittings, etc. are tight, place a thin bead of silicone sealer around the perimeter of the access plate and screw the plate onto the post using the provided stainless torx head screws. Wipe off any excess sealer. Place a generous bead of silicone sealer around the perimeter of the top cap and insert the cap into the pedestal post. A rubber mallet is recommended to properly seat the top cap. Wipe off any excess sealer.

Power the Station(s)

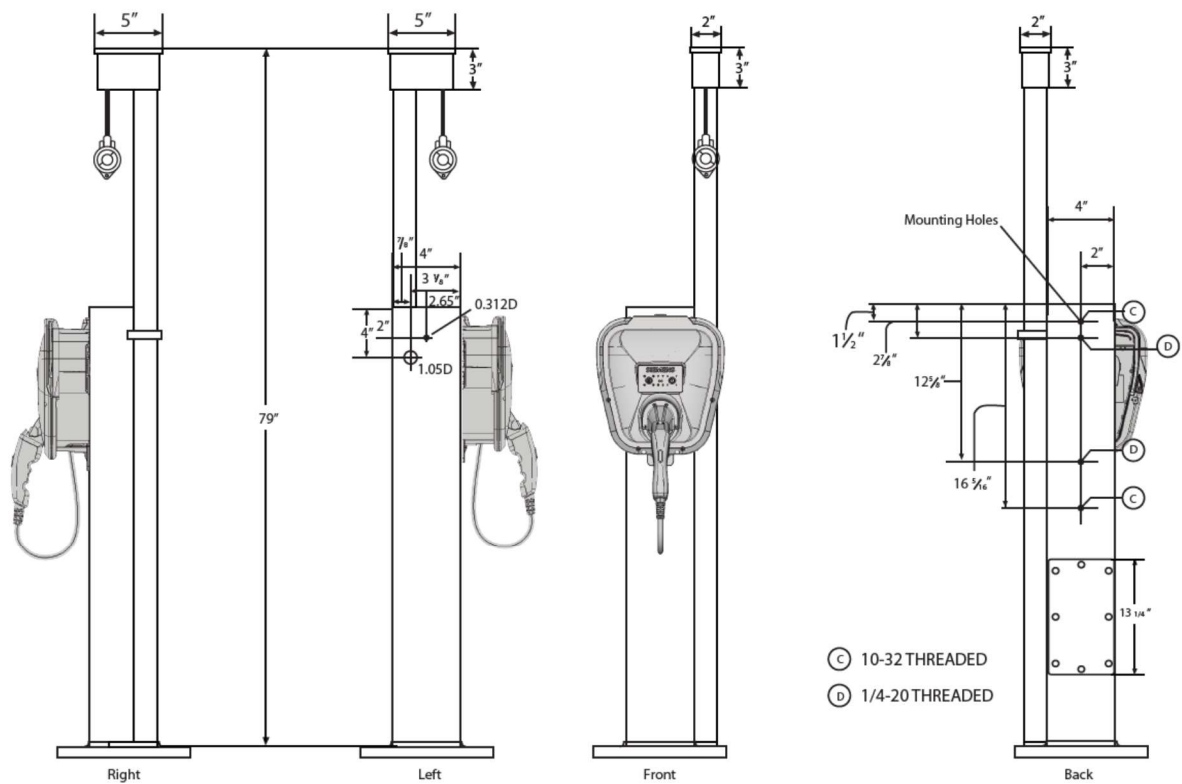
Turn on the power feed to the station(s) and test as per the VersiCharge installation manual.



VCPOSTGRY2 Single Unit Configuration



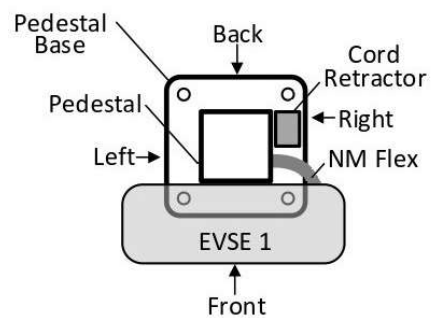
VCPOSTGRY2 Dual Unit Configuration

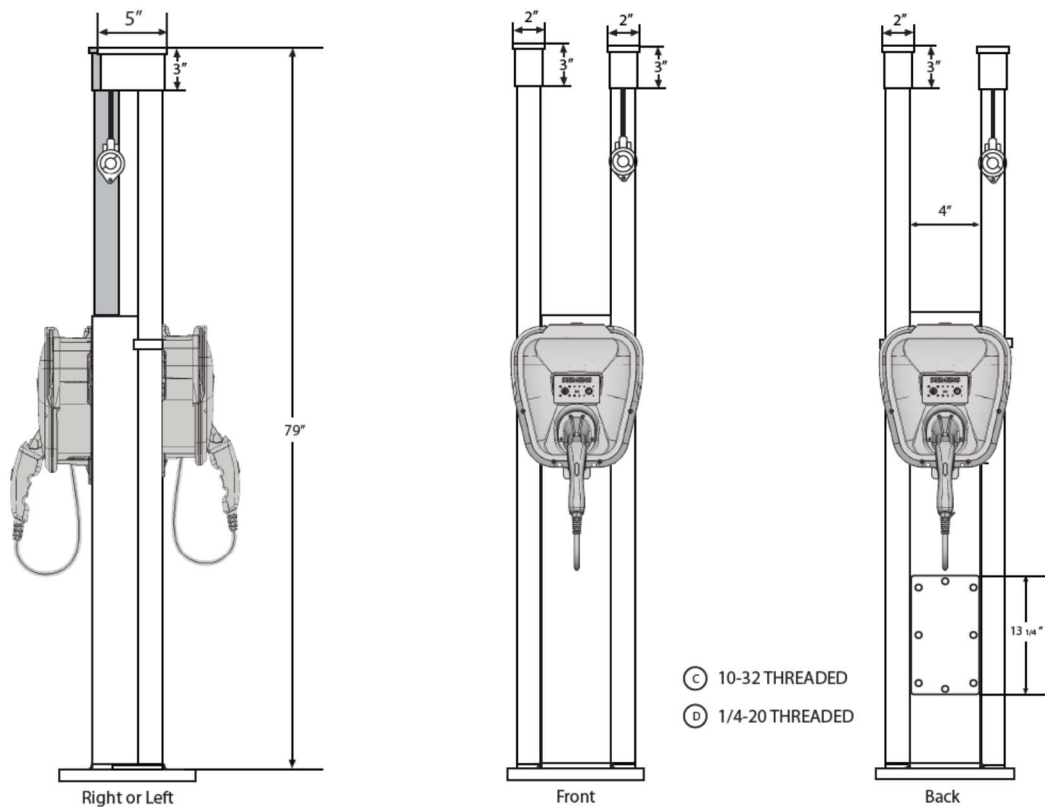


US2:VCCMSSP

Single VersiCharge Cable Retraction System, 20ft Cable

Top View





US2:2X(VCCMSSP) Dual VersiCharge Cable Retraction System, 20ft Cable

