SemaConnect Cable Management System (CMS) Installation Guide

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Safety and compliance

This document provides instructions to install the SemaConnect™ Cable Management system (CMS) and should not be used for any other product. Consult a licensed contractor before installation to ensure compliance with the local building practices, climate conditions, safety standards, and state and local codes. **Under no circumstances will compliance with the information in this guide relieve the installer of responsibility to comply with all applicable codes and safety standards.**

This document describes the most common installation and mounting method. Contact SemaConnect where it is not possible to perform an installation using the procedures provided in this document. SemaConnect is not responsible for damages that may occur during or as a result of installation.

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SemaConnect Cable Management System Key Dimensions

Single Station Configuration

Dual Station Configuration

Technical Specs:
- Exterior is painted and seal coated. Material is aluminum, manufactured for long-term durability and service.
- Installed on Existing parking surface using two (2) anchor bolts at the base. Two (2) stabilizing straps are provided for vertical stability.
- Easily installed at existing station locations.

Ordering Requirements:
- Specify single or dual configuration at time of placing order.

All Dimensions are in inches
## SemaConnect Cable Management system parts (Pedestal Mount)

<table>
<thead>
<tr>
<th>Sl no</th>
<th>Description</th>
<th>Image</th>
<th>Quantity</th>
<th>CMS with Single Pedestal</th>
<th>CMS with Dual Pedestal</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Head Unit with J1772 Cable (20ft)</td>
<td><img src="image1.png" alt="Image" /></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>CMS Clamp</td>
<td><img src="image2.png" alt="Image" /></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Anchor Bolts (M6x30mm – Socket screw)</td>
<td><img src="image3.png" alt="Image" /></td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
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</table>
SemaConnect Cable Management System Installation (with Pedestal)

1. **Mounting CMS onto Anchor plate**
   Place CMS base over the Anchor plate and secure the base with the help of anchor bolts. *DO NOT FULLY TIGHTEN*

   Tool Used: - 5mm Allen Keys

   ![Figure 1: CMS mounting to anchor plate](image)

2. **Preparing the clamp**
   Remove two screws from the clamp from the locations shown in figure - 2.
   Tools used: - 3mm and 5mm Allen keys

   ![Figure 2: Screws Locations](image)
3. **Assembling CMS Clamps**

Once the screws are removed, insert the clamp from rear side of the CMS (Figure 3). For mounting location see figure 5. To adjust the length of the clamp, loosen the two screws in the clamp (see figure 4 for screw location)

Tools used: - 5mm Allen Key

![Clamp Mounting](image)

**Figure 3: - Clamp Mounting**

Once the length is adjusted tighten the screws fully.

Tools used: - 5mm Allen Key

![Screws locations](image)

**Figure 4:- Screws locations**

Tighten the clamp with the help of two screws you removed Step-2.

Tools used: - 3mm and 5mm Allen keys
Note:- Same Procedure for single Pedestal

4. **Tightening Anchor bolts**
   
   Tighten the anchor bolts fully
   
   Tool Used: - 5mm Allen Keys

5. **Attaching the J1772 Cable**
   
   a) Unscrew three bolts from the J1772 holder (Figure-7).
   
   b) Dock the J1772 coupler in the J1772 holder area in the station (Figure-8).
   
   c) With charger plug secured in the storage holster, raise center of charger cable up to the clamp, ensuring none of the cable is touching the ground. Center the clamp at the upper-most loop in the cable.
   
   d) Secure the cable with the three screws removed in “step-a”
Tools Used: - 3mm Allen key

6. **Removing Retention Bolt**
Remove Counter Weight retention bolt.

Tool required: - 5mm allen key
Test cable for smooth movement
<table>
<thead>
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<td><img src="image1.png" alt="Image" /></td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Spacer – Single Pedestal Install</td>
<td><img src="image2.png" alt="Image" /></td>
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<tr>
<td>3</td>
<td>Stainless steel belt</td>
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<tr>
<td>4</td>
<td>Stainless Steel Assembly bolt</td>
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</tr>
<tr>
<td>5</td>
<td>Drop-in Anchor</td>
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<tr>
<td>6</td>
<td>Anchor Bolts</td>
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<tr>
<td>7</td>
<td>Anchor setting tool</td>
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</tbody>
</table>
SemaConnect Cable Management System Installation (with wall mount)

1. Mount spacers to the wall

Mount the spacer to the wall, approximately to the specified height. (Ensure CMS is level to wall.)

![Spacer mounting direction and location](image1)

2. Marking Drill Holes

Temporarily position the CMS flush against the wall to mark the anchoring points on the concrete.

![Drilling marking points](image2)

3. Installing Drop-in Anchors

Set aside the CMS to install the Anchors as illustrated below.

- If using a ¼” anchor, drill a 3/8” hole; if using a 3/8” anchor, drill a ½” hole
- Insert anchor inside the hole. Hit it with the hammer until the anchor is plumb with the ground.
- With the help of setting tool set the anchor, by placing setting tool in the anchor and hammering it.
4. **Mounting CMS to Ground**

   Place CMS base over Anchors and thread on Anchor Bolts.
   Tool used: - Wrench size 3/8” (not supplied)

![Figure 19: CMS mounting to anchor plate bolt location](image)

5. **Securing CMS to spacer with Stainless Steel Spacer Bracket**

   With the help of stainless steel Spacer Bracket secure CMS to spacer.
   Tools Required: - 5mm Allen Key, Plyer

![Figure 20: Assembling SS Spacer belt](image)

6. **Attaching the J1772 cable**

   1. Unscrew three bolts from the J1772 holder
   2. Dock the J1772 coupler in the J1772 holder area in the station
   3. With charger plug secured in the storage holster, raise center of charger cable up to the clamp, ensuring none of the cable is touching the ground. Center the clamp at the upper-most loop in the cable.
   4. Secure the clamp with the three screws removed in step-1

   Tools Used: - 3mm Allen key
7. **Removing Retention Bolt**

Remove Counter Weight retention bolt.

Tool required:- 5mm allen key

![Retention bolt location (On both sides)](image_url)
Test the cable for smooth movement.