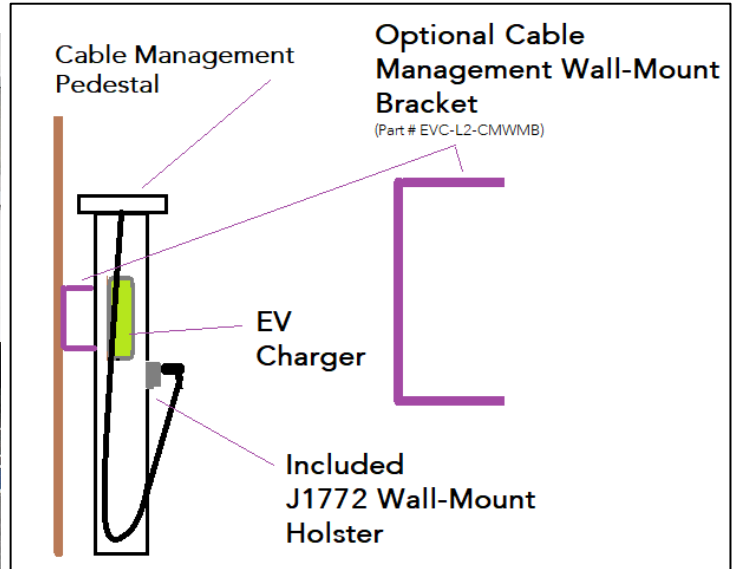# Application Notes

breezEV Level 2 Charger: Wall-Mount Installation Options

When installing a breezEV Level 2 Charger on a wall in applications such as parking garages, various options are available for installation and mounting. Each option is explained below:

Method 1: Wall-Mount Cable Management Pedestal *(for single or dual side by side)*

In this option, we use the same cable management pedestal that is typically used for a ground mounted installation. The pedestal sits, touching the ground. Instead of bolting it to the ground, an optional accessory (Part # EVC-L2-ACC-CMWMB) is utilized. This is a "C" shaped bracket which allows for a 10in gap between the wall and the pedestal. The bracket first bolts to the wall, and then is bolted to the back side of the pedestal. If the goal of your installation is to have a heavy-duty pedestal that also serves as a wiring cabinet (for dual chargers), as well as surface area on the front of the pedestal for advertising/branding (via a custom vinyl decal), then this is the recommended option. Since this utilizes the entire cable management pedestal, it will be the costliest option. If the floor of the garage is not level or if there are pipes on the wall, care should be taken to ensure that this option will work, since it may not sit level on the ground or mounting could be in the way of pipes.
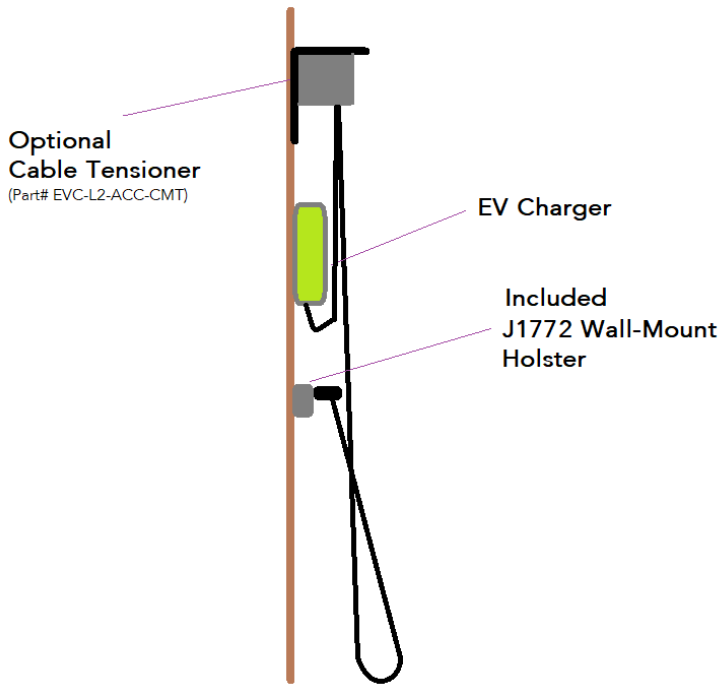

Cable Management Pedestal

Optional Cable Management Wall-Mount Bracket
(Part # EVC-L2-CMWMB)

EV Charger

Included J1772 Wall-Mount Holster

Example Ordering Guide

Part #	Description	QTY
EVC-L2-48A-L1-1-XXXXX	48A Max L2 Charger w/ or w/out screen and/or internet connectivity/software	1 or 2
EVC-L2-CBL-4XA-L1-1-XXXX	40A or 48A cable set in 12,18 or 25ft	1 or 2
EVC-L2-ACC-BB-CM1	Pedestal, Cable Management	1
EVC-L2-ACC-SSB **	Bracket for either pedestal style to allow for side by side install of chargers **only needed for dual side by side	1
EVC-L2-ACC-CMWMB	Cable management wall-mount bracket to attach standard pedestal to wall (base of pedestal still rests on ground)	1

Method 2: Wall-Mount Charger with Cable Tensioner (*best for single*)

In this option, a single charger is mounted to the wall, and above it, an optional single cable tensioner is mounted. (Part # EVC-L2-ACC-CMT). A J1772 plug holster which comes with the charger standard is also bolted to the wall. In total 3 separate components will be bolted separately to the wall: (1) the charger, (2) the cable tensioner and (3) the J1772 holster. If conduit is being brought to the charger from above, and each parking spot will have a separate electrical drop, this can be a low-cost way to wall-mount a charger and have true cable management via the cable tensioner. Since there is no wiring cabinet (such as exists in the pedestal), this option is not recommended for dual charger installs where the installer desires to do a single electrical drop for 2 chargers. This installation option will be easiest for single charger drops. If the garage floor is not level or if there are pipes on the wall, this will be a great installation method since the installer can choose where the 3 separate components are mounted thus avoiding obstacles. This is slightly more expensive than Methods 3 & 4 but will be a significant material cost savings over Method 1.
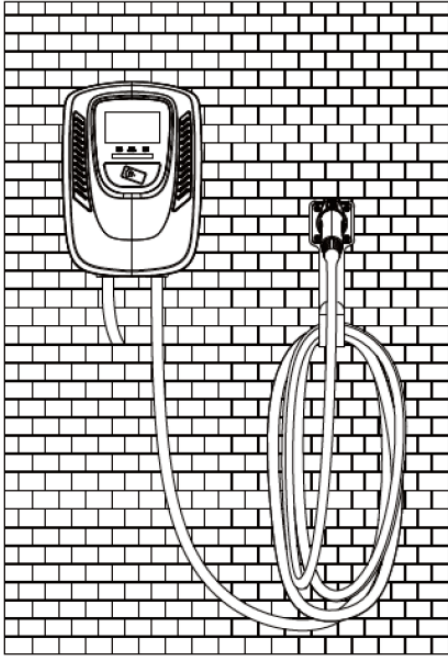

Optional Cable Tensioner
(Part# EVC-L2-ACC-CMT)

EV Charger

Included J1772 Wall-Mount Holster

Optional Cable Tensioner
(Part# EVC-L2-ACC-CMT)

Example Ordering Guide

Part #	Description	QTY
EVC-L2-48A-L1-1-XXXXX	48A Max L2 Charger w/ or w/out screen and/or internet connectivity/software	1
EVC-L2-CBL-4XA-L1-1-XXXX	40A or 48A cable set in 12,18 or 25ft	1
EVC-L2-ACC-CMT	Cable tensioner	1

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Method 3: Wall-Mount Charger with optional J1772 Holster & J-Hook *(not recommended for public use)*

In this option, a single charger is mounted to the wall, and below it the optional holster & J-Hook (Part # EVC-L2-ACC-HJH) is mounted to the wall. The only difference between this option and Method 4 is that instead of wrapping the cable around the charger, the cable can be wrapped around the charger and/or the J-Hook, giving the driver more options. This requires the driver after his/her charging session is complete to wrap the cable around the charger and/or J-Hook and plug the J1772 into the holster. **This is not a recommended option for public charger use**, since it relies on the driver to organize the cable, and we know from experience that most drivers are lazy (even if directions are posted) and will not take the time to do this!
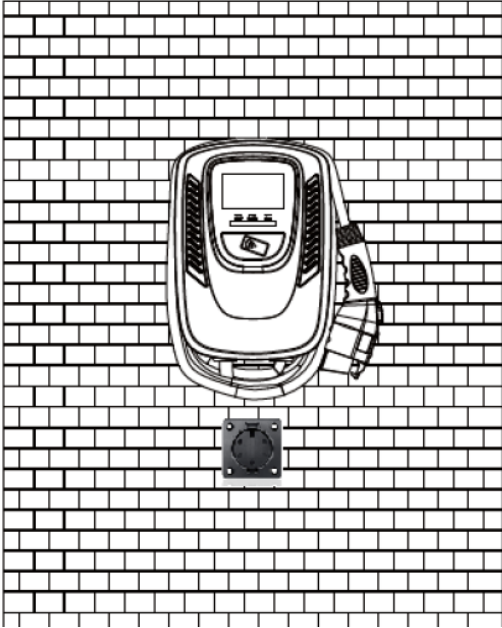

Optional J1772 Dock & J-Hook
(Part# EVC-L2-ACC-HAD)

Example Ordering Guide

Part #	Description	QTY
EVC-L2-48A-L1-1-XXXXX	48A Max L2 Charger w/ or w/out screen and/or internet connectivity/software	1
EVC-L2-CBL-4XA-L1-1-XXXX	40A or 48A cable set in 12,18 or 25ft	1
EVC-L2-ACC-HAD	J1772 Holster & Dock with J-Hook	1

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Method 4: Wall-Mount Charger with included Holster *(not recommended for public use)*

In this option, a single charger is mounted to the wall, and below it the included holster that comes standard with the charger is mounted to the wall. No additional accessories are required to be purchased. This requires the driver after his/her charging session is complete to wrap the cable around the charger and plug the J1772 into the holster. **This is not a recommended option for public charger use**, since it relies on the driver to organize the cable, and we know from experience that most drivers are lazy (even if directions are posted) and will not take the time to do this!

<u>Example Ordering Guide</u>

Part #	Description	QTY
EVC-L2-48A-L1-1-XXXXX	48A Max L2 Charger w/ or w/out screen and/or internet connectivity/software	1
EVC-L2-CBL-4XA-L1-1-XXXX	40A or 48A cable set in 12,18 or 25ft	1