

Docking Drawer™

Electrical Planning Guide for Docking Drawer and Style Drawer Series Installations

General Information

Docking Drawer Charging Outlets have been listed by ETL and they comply with UL 962a when installed in accordance to outlet installation instructions. Additionally, our **Style Drawer Powering Outlets** have been listed by ETL and comply with UL 962a when installed in accordance to the outlets installation instructions. The following is a guide designed to provide steps for roughing-in an electrical supply for your Docking Drawer or Style Drawer Series outlet installation. Please review the specific installation instructions for each outlet.



CAUTION – READ CAREFULLY

A licensed electrician needs to supply all electrical rough-ins to local building codes for your Docking Drawer installation. Docking Drawer outlets cannot be plugged into dishwasher, disposal, instant hot water, or trash compactor outlets. Remember that all powering outlets require a 20 amp circuit. All wiring inside of a cabinet must be MC Cable.

All Powering Outlets come with a 20A, tamper proof, GFCI protected outlet.

Pictured below is the Docking Drawer installation wall. We use this in-house tool to illustrate electrical connections for our customers.



Docking Drawer Electrical Rough-in Techniques

Roughing-in an electrical supply to provide power to your Docking Drawer charging or Style Drawer powering outlets is straightforward.

This document will outline:

- Where the source of power should enter the cabinet
- 4 types of electrical rough-ins choices for open and closed wall installations



1. Locating the Electrical Supply

The electrical supply can be located in a variety of locations to provide power to your Docking Drawer or Style Drawer outlet.

For Charging Outlets – a standard 15amp household outlet is needed. The outlet can be surface mounted or flush mounted in the cabinet as long as it's within 5' of the Docking Drawer charging outlet. The household outlet can be located in a neighboring cabinet, at the bottom of the cabinet, just under the drawer that the Docking Drawer is installed into, etc.

For Powering Outlets – a 20amp supply is needed. This supply can be roughed-in with a surface mounted handy box or flush mounted using a junction box with a single gang cover plate and a Flex 90 connector anywhere in the cabinet.



CAUTION – READ CAREFULLY

WHERE NOT TO LOCATE THE POWER SOURCE

One location that we caution is directly behind the drawer where the cabinet is being installed. If this location is utilized, you must ensure that the in-cabinet outlet and wiring do not interfere with the Docking Drawer cable management arms or drawer slides.

Next, pick an electrical rough-in method for your installation ►

Docking Drawer Electrical Rough-in Techniques

2. Pick A Electrical Rough-In Method

There are two basic techniques for bringing power into a cabinet:

- Surface mounted handy box
- Flush mounted outlet or single gang cover plate with a Flex 90 connector

FOR CHARGING OUTLETS

There are 2 options for bringing power into the cabinet for a Docking Drawer installation.

Option 1: Flush Mounted Outlet



Option 2: Surface Mounted Outlet



FOR POWERING OUTLETS

There are 2 options for bringing power into the cabinet for a Style Drawer installation.

Option 1: Flush Mounted Outlet



Option 2: Surface Mounted Outlet






Next, are the walls open and accessible or closed and covered? ►

Docking Drawer Electrical Rough-in Techniques



3. Open Wall or Closed Wall Project?

Open Wall Construction Projects – In new open wall construction projects, an in-cabinet junction box should be installed using an in-wall single gang junction box to provide power to your Docking Drawer (Charging) or Style Drawer (Powering) outlet.

Here are the 3 basic types of in-wall junction boxes that can be used to rough-in power to a Docking Drawer or Style Drawer outlet in open wall construction.

Option 1	Option 2	Option 3
Single gang adjustable new construction in-wall junction box.	Single gang new construction junction box with box extender.	Single gang new construction nail on box with box extender.
		

Using one of the in-wall junction boxes described above, there are two methods to supply power to a Docking Drawer or Style Drawer outlet.

FOR CHARGING OUTLETS	FOR POWERING OUTLETS
There are 2 options for bringing power into the cabinet for a Docking Drawer installation.	There are 2 options for bringing power into the cabinet for a Style Drawer installation.
	

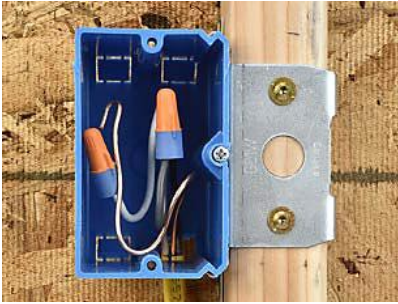
Docking Drawer Electrical Rough-in Techniques

Closed Wall Projects – In remodel projects, an in-cabinet surface mounted or flush mounted receptacle can be installed to provide power to your Docking Drawer (Charging) or Style Drawer (Powering) outlet.

Here are the 3 basic types of in-wall junction boxes that can be used to rough-in power to a Docking Drawer or Style Drawer outlet in closed wall construction.

Option 1

Romex supply to cut in box



Option 2

MC supply to surface mounted handy box





Option 3

MC supply direct connection to Style Drawer handy box






FOR CHARGING OUTLETS

<p>Flush mounted outlet</p> 	<p>Surface mounted outlet</p> 
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This method of supplying power only applies to powering outlets.

FOR POWERING OUTLETS

<p>Single gang cover plate with a Flex 90 connector using MC to connect to the Style Drawers handy box</p> 	<p>Single gang cover plate with a Flex 90 connector using MC to connect to the Style Drawers handy box</p> 	<p>MC directly to the Style Drawers handy box</p> 
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