Docking Drawer® Safety Interlock Outlet Installation Instructions

WITH BLADE LIMIT SWITCH
6015-1000W

WITH GENERAL PURPOSE LIMIT SWITCH
6015-2000W

WITH REMOTE THERMOSTAT SWITCH
6015-3000W

PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE GETTING STARTED

1. What is an Interlock Outlet?
An interlock outlet is different from a conventional receptacle in that it requires input from an external switch or sensor in order to supply power. The switch/sensor can be a limit switch designed to work with Docking Drawer Blade Series outlets, a General Purpose Limit Switch, or a Remote Thermostat Switch. If the switch/sensor is not connected, or if it is not detecting a safe condition, there will be no power supplied to the receptacle and a red LED will illuminate on the front of the unit. When the switch/sensor is satisfied, power is supplied and a green LED illuminates.

CAUTION – READ CAREFULLY

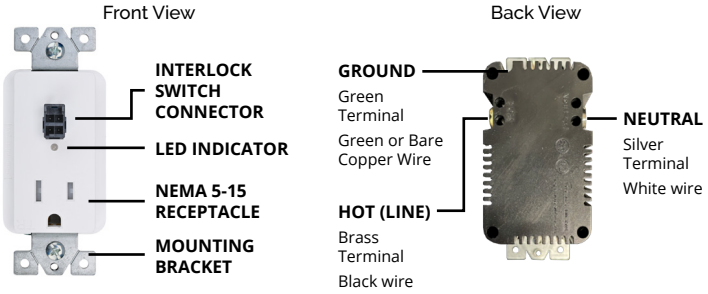
To prevent severe shock or electrocution always turn the power OFF at the service panel before working with wiring.

Use this Safety Interlock Outlet with copper or copper-clad wire. Do not use it with aluminum wire.

Do not install this Safety Interlock Outlet on a circuit that powers life support equipment because if the outlet trips, it will shut down the equipment.

Must be installed in accordance with national and local electrical codes.

2. Interlock Outlet Anatomy



3. Should *you* install it?
Installing an interlock outlet can be more complicated than installing a conventional receptacle. Make sure that you:

- Understand basic wiring principles and techniques
- Can interpret wiring diagrams
- Have circuit wiring experience
- Are prepared to take a few minutes to test your work, making sure that you have wired the outlet correctly and that it works as intended.

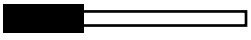
If you aren't completely comfortable with the above, please consult a licensed electrician.

4. Turn the power off
Plug in an electrical device such as a lamp or hair dryer into the receptacle on which you are working. Turn the lamp or hair dryer ON. Then go to the service panel and find the breaker that protects that receptacle. Place the breaker in the off position and mark it with something to let others know not to turn it back on. The lamp or hair dryer should turn off if you have the correct breaker selected. Next, plug the electrical device into the other receptacle to make sure the power is off at BOTH receptacles. If the power is not off, call an electrician to complete the installation.

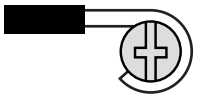
5. Connect the wires. Choose from Option A OR Option B:

About Wire Connections

SIDE WIRE 3/4" (1.9cm)

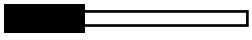


FOR SIDE WIRE:

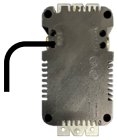


Loop clockwise 2/3 of the way around screw

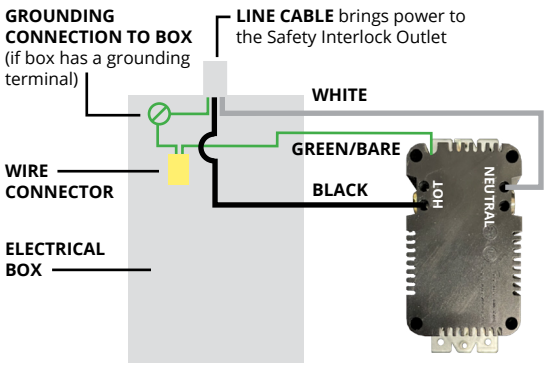
BACK WIRE 5/8" (1.6cm)



FOR BACK WIRE:
Insert bare wire fully and tighten terminal clamp on conductor ONLY



OPTION A: One Cable (2 or 3 wires entering the box)

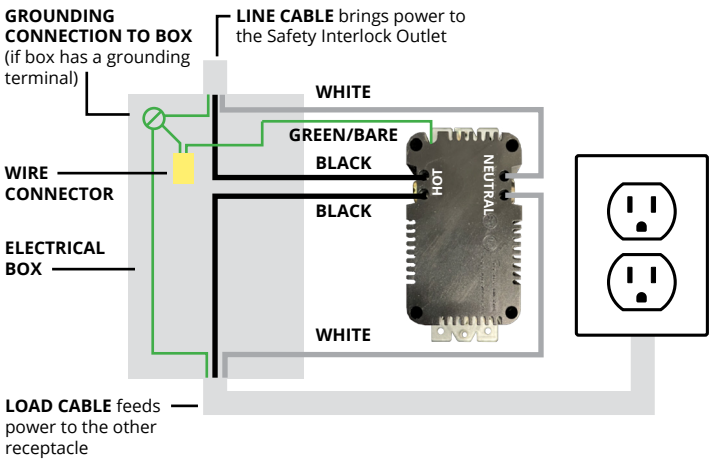


Connect the LINE cable wires to the LINE terminals:
- The white wire connects to the WHITE terminal (Silver)
- The black wire connects to the HOT terminal (Brass)

Connect the grounding wire (only if there is a grounding wire):
- For a box with no grounding terminal (diagram not shown): Connect the LINE cable's bare copper (or GREEN) wire directly to the grounding terminal on the Safety Interlock Outlet
- For a box with a grounding terminal (diagram shown above): Connect a 6-inch bare copper (or GREEN) 12 or 14 AWG wire to the grounding terminal on the Safety Interlock Outlet. Also connect a similar wire to the grounding terminal on the box. Connect the ends of these wires to the LINE cable's bare copper (or GREEN) wire using a wire connector. If these wires are already in place, check the connections.

Complete the installation:
- Fold the wires into the box, keeping the grounding wire away from the WHITE and HOT terminals. Screw the receptacle to the box and attach the faceplate.
- Go to step 6

OPTION B: Two Cables (4 or 6 wires entering the box)



Connect the LINE cable wires to the LINE terminals:
- The white wire connects to the WHITE terminal (Silver)
- The black wire connects to the HOT terminal (Brass)

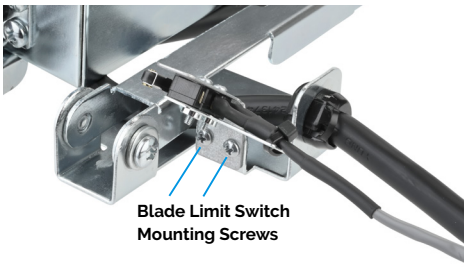
Connect the LOAD cable wires to the LOAD terminals:
- The white wire connects to the WHITE terminal (Silver)
- The black wire connects to the HOT terminal (Brass)

Connect the grounding wire (only if there is a grounding wire):
- Connect a 6-inch bare copper (or GREEN) 12 or 14 AWG wire to the grounding terminal on the Safety Interlock Outlet. If the box has a grounding terminal, also connect a similar wire to the grounding terminal on the box. Connect the ends of these wires to the LINE or LOAD cable's bare copper (or GREEN) wire using a wire connector. If these wires are already in place, check the connections.

Complete the installation:
- Fold the wires into the box, keeping the grounding wire away from the WHITE and HOT terminals. Screw the receptacle to the box and attach the faceplate.
- Go to step 6

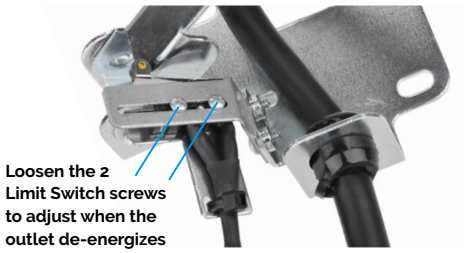
For Blade Limit Switch 6015-1000W

6. Install the Blade Limit Switch
Locate the two screw holes on the Blade Series outlet's rear mounting bracket. Install Blade Limit Switch Cable by fastening bracket, as shown using the 2 provided Blade Limit Switch Mounting Screws. Tighten securely.



Blade Limit Switch Mounting Screws

Install the Blade Series outlet in the drawer according to the Blade Series installation manual. Pull the drawer all the way open and slide the limit switch back and forth until the limit switch roller is closed. You will hear an audible click when this occurs. When the limit switch is in the correct position, securely tighten the limit switch mounting screws.



Loosen the 2 Limit Switch screws to adjust when the outlet de-energizes

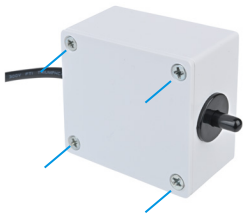
Plug in the Blade Limit Switch Cable to the mating connector on the Safety Interlock Outlet.

7. Turn power on and test the system - Installation is not complete until the unit has been tested.
Test the function of the interlock by moving the drawer in and out. The Blade Series outlet should de-energize when the drawer is 1-2" from the fully open position. You may find it is necessary to further adjust the position of the limit switch to de-energize the outlet at the correct drawer position to achieve proper operation.

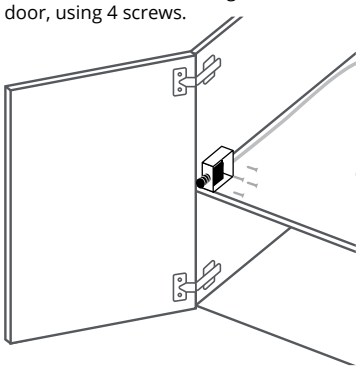
For all tests, user can look at the LED indicator on the Safety Interlock Outlet to see whether there is power or not. RED = no power, GREEN = power.

For General Purpose Limit Switch 6015-2000W

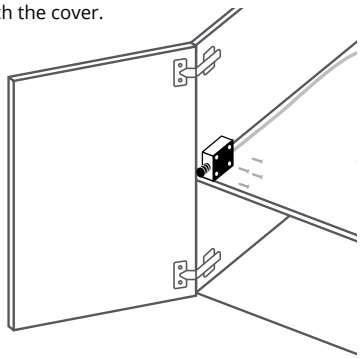
6. Install the General Purpose Limit Switch
Open the General Purpose Limit Switch box by removing the 4 screws on the cover.



Mount the General Purpose Limit Switch box to side wall of the cabinet behind the hinged side of the cabinet door, using 4 screws.



Reattach the cover.



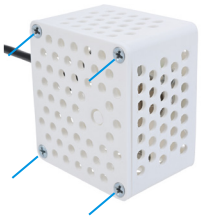
Plug in the General Purpose Limit Switch cable to the mating connector on the Safety Interlock Outlet.

7. Turn power on and test the system - Installation is not complete until the unit has been tested.
Test the function of the interlock by simply opening and closing the cabinet door. Connect a radio to the Safety Interlock Outlet to verify it turns off when door is closed.

For all tests, user can look at the LED indicator on the Safety Interlock Outlet to see whether there is power or not. RED = no power, GREEN = power.

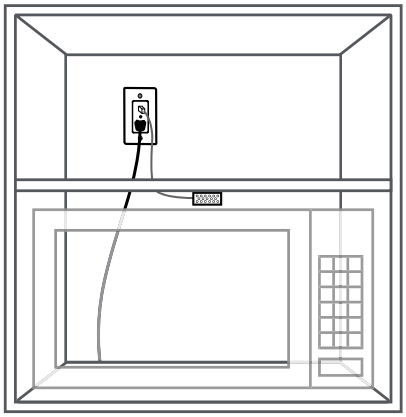
For Remote Thermostat Switch 6015-3000W

6. Install Remote Thermostat Switch
Open the Remote Thermostat Switch box by removing the 4 screws on the cover.



Mount the Remote Thermostat Switch box near the appliance or device that will be generating heat, using 4 screws.

Reattach the cover.



Plug in the Remote Thermostat Switch cable to the mating connector on the Safety Interlock Outlet.

7. Turn power on and test the system - Installation is not complete until the unit has been tested.
Test the function of the interlock by pointing a hair dryer at the Remote Thermostat to heat up the thermostat and verify the outlet turns off. You must then reset the sensor. Wait a few minutes for the unit to cool and then press the button in the center of the Remote Sensor to reset the thermostat.

For all tests, user can look at the LED indicator on the Safety Interlock Outlet to see whether there is power or not. RED = no power, GREEN = power.

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