



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 or Safety Interlock Disconnect with copper or copper-clad wire. Do not use it with aluminum wire.

Do not install this Safety Interlock Outlet or Safety Interlock Disconnect 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.

Should you install it?

Installing an interlock outlet or disconnect 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.

Before you start, 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.

Safety Interlock Outlet Installation Instructions

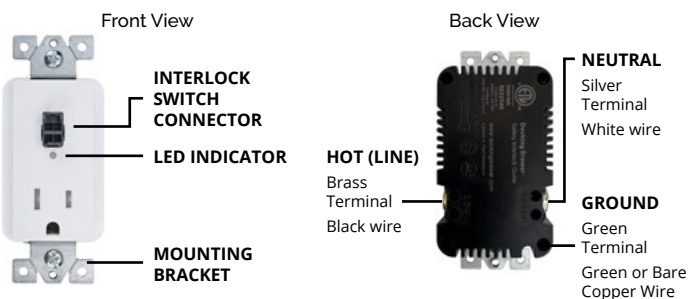


PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE GETTING STARTED

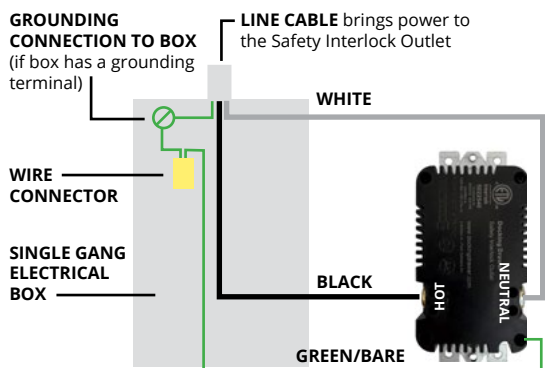
1. What is an Interlock Outlet?

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 Corner Mount Limit Switch, or a Magnetic Limit 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.

2. Interlock Outlet Anatomy



3. Connect the wires in the following manner:



Note: Only the receptacle on the Safety Interlock Outlet will be de-energized

Safety Interlock Disconnect Installation Instructions

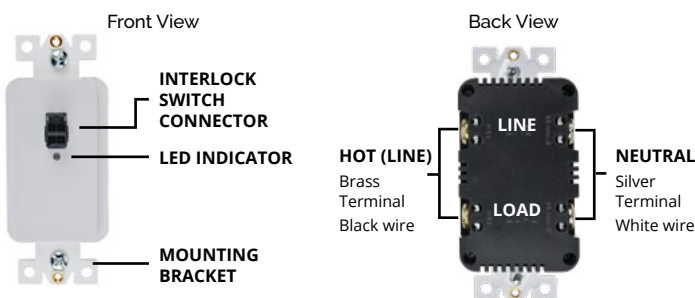


PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE GETTING STARTED

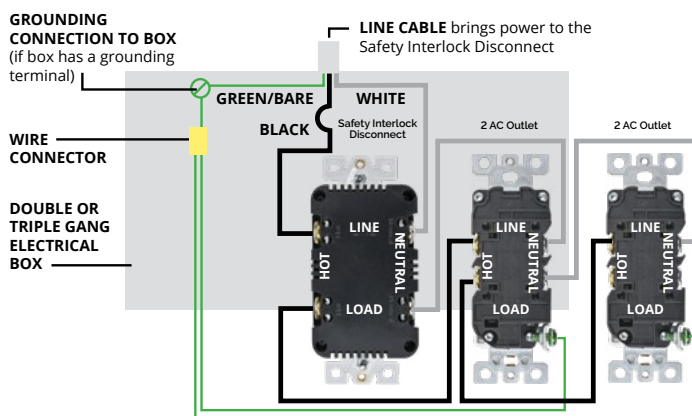
1. What is an Interlock Disconnect?

An interlock disconnect removes power from anything connected to the load side of the disconnect when it gets the appropriate signal from a Corner Mount Limit Switch or a Magnetic Limit 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.

2. Interlock Disconnect Anatomy

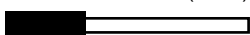


3. Connect the wires in the following manner:

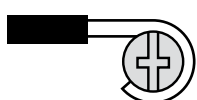


About Wire Connections:

SIDE WIRE 3/4" (1.9cm)

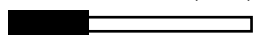


FOR SIDE WIRE:



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



Safety Interlock Outlet Installation Instructions contd.

- 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 4

Safety Interlock Disconnect Installation Instructions contd.

Connect the LINE (input) 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 (output) cable wires to the LOAD terminals:

- The white wire connects to the WHITE terminal (Silver)
- The black wire connects to the HOT terminal (Brass)

THE LOAD SIDE OF THE SAFETY INTERLOCK DISCONNECT IS SWITCHED BASED ON THE LIMIT SWITCH

Connect the grounding wire directly to the receptacles or device controlled by the Safety Interlock Disconnect. The Safety Interlock Disconnect itself has no ground connection.

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.

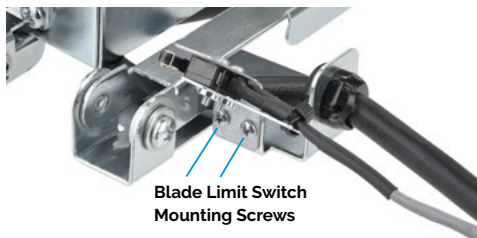
Go to Step 4

Step 4: Mounting the Limit Switches

For Blade Limit Switch 60XX-1000W

4. Mount 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.



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 the Safety Interlock Connector into the Interlock Switch Connector.

Turn power on and test the system - Installation is not complete until the unit has been tested.

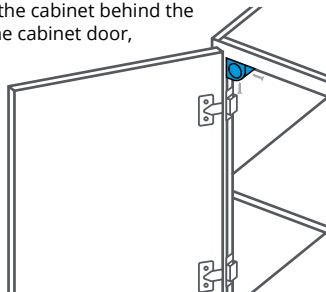
Test the function of the interlock by moving the drawer in and out. The Blade Series outlet should de-energize when the drawer is 1-2" from the fully open position. You may find it is necessary to further adjust the position of the limit switch to de-energize the outlet at the correct drawer position 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.

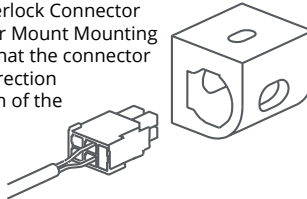
For Corner Mount Limit Switch 60XX-2001X

4. Mount the Corner Mount Limit Switch

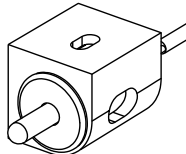
Mount the Corner Mount Mounting Bracket to the corner of the cabinet behind the hinged side of the cabinet door, using 2 screws.



Run the Safety Interlock Connector through the Corner Mount Mounting Bracket ensuring that the connector is rotated in the direction matching the notch of the mounting bracket.



Feed the cable through the bracket until the switch fits snugly into the mounting bracket.



Plug the Safety Interlock Connector into the Interlock Switch Connector.



To tidy up the cable, use Low Voltage Limit Switch Cord Cable Clamps to safely route the cable along the cabinet or any other surfaces.

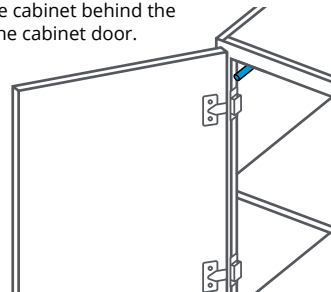
Turn power on and test the system - Installation is not complete until the unit has been tested.

Test the function of the interlock by simply opening and closing the cabinet door. Look at the LED indicator on the Safety Interlock Outlet or Safety Interlock Disconnect to see whether there is power or not. RED = no power, GREEN = power.

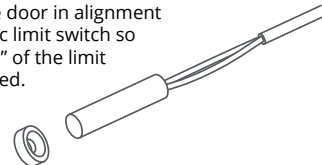
For Magnetic Limit Switch 60XX-2002X

4. Mount the Magnetic Limit Switch

Mount the Magnetic Limit Switch to the corner of the cabinet behind the hinged side of the cabinet door.



Magnet can be screw mounted or recessed into the door in alignment with the magnetic limit switch so that it is within .5" of the limit switch when closed.



Plug the Safety Interlock Connector into the Interlock Switch Connector.

To tidy up the cable, use Low Voltage Limit Switch Cord Cable Clamps to safely route the cable along the cabinet or any other surfaces.

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. Look at the LED indicator on the Safety Interlock Outlet or Safety Interlock Disconnect to see whether there is power or not. RED = no power, GREEN = power.

Limit Switches are Available in Two Types:
NC (Normally Closed) - Power is off when the limit switch is activated
NO (Normally Open) - Power is on when the limit switch is activated