

Docking Drawer®

15 amp, 20 amp Fire Guard Outlet &
Fire Guard Disconnect Installation Instructions

CAUTION – READ CAREFULLY

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

Use this Fire Guard Outlet or Fire Guard Disconnect with copper or copper-clad wire. Do not use it with aluminum wire.

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

IMPORTANT: Must be installed in accordance with national and local electric codes. Note: The smoke sensing function of the Fire Guard Outlet and Fire Guard Disconnect is not listed to UL 217 or UL 268 as a smoke alarm or detector. This device cannot be used as a substitute for a smoke alarm or detector as required by code. This product is not classified as a life safety device.

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.

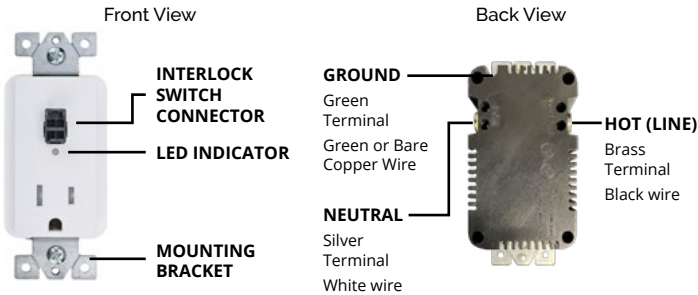
15 amp & 20 amp Fire Guard Outlet Installation Instructions



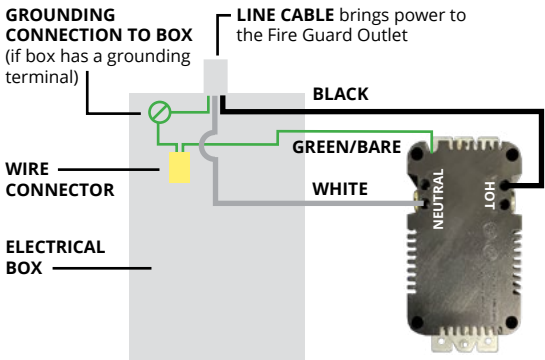
PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE GETTING STARTED

1. What is a Fire Guard Outlet?
An interlock outlet, such as the Fire Guard Outlet, is different from a conventional receptacle in that it requires input from an external switch or sensor in order to supply power, such as a Smoke and Heat Sensor. 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. Fire Guard Outlet Anatomy



3. Connect the wires in the following manner:



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

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 Fire Guard 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 Fire Guard 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

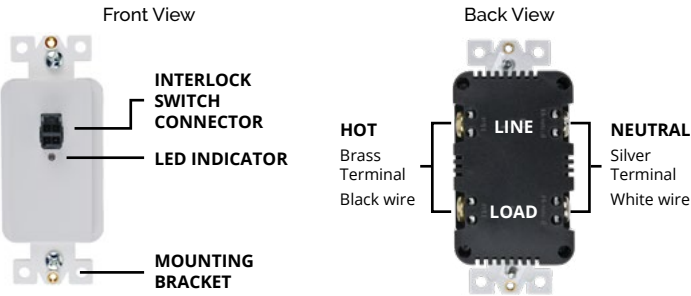
Fire Guard Disconnect Installation Instructions



PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE GETTING STARTED

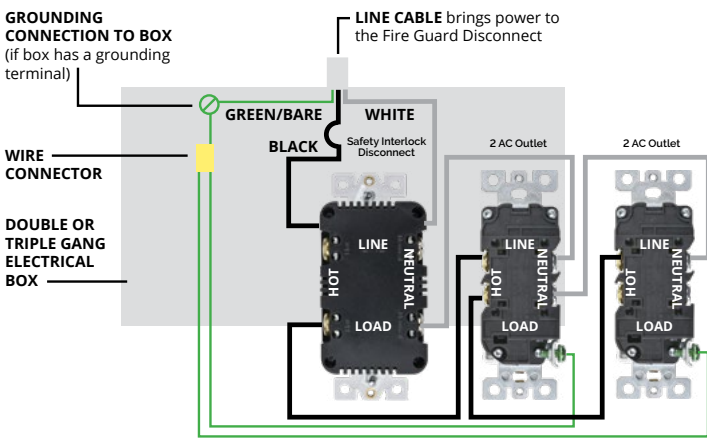
1. What is a Fire Guard Disconnect?
A Fire Guard Disconnect removes power from anything connected to the load side of the disconnect when it gets the appropriate signal from a smoke and heat sensor. If the switch/ sensor is not connected, or if it is not detecting a safe condition, there will be no power 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 or if it is not detecting a safe condition, there will be no power supplied to the LOAD side of the disconnect and a red LED will illuminate on the front of the unit.

2. Fire Guard Disconnect Anatomy

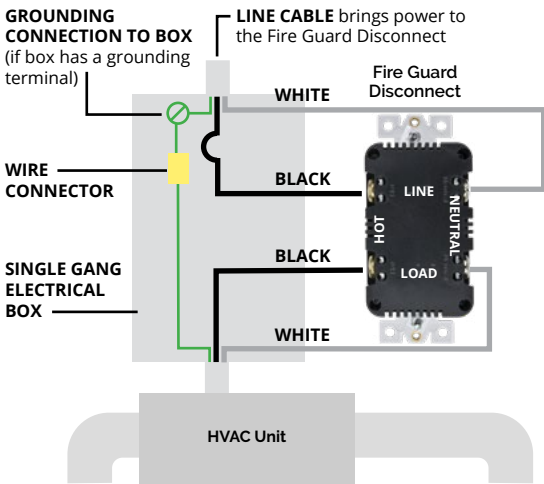


3. Connect the wires in one of the following manners:

OPTION A: Installed into Double or Triple Gang Junction Box



OPTION B: Hardwired to an appliance (HVAC, Furnace, etc)



About Wire Connections:

SIDE WIRE 3/4" (1.9cm)

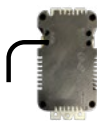
FOR SIDE WIRE:



BACK WIRE 5/8" (1.6cm)

FOR BACK WIRE:

Insert bare wire fully and tighten terminal clamp on conductor **ONLY**



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 FIRE GUARD DISCONNECT IS SWITCHED BASED ON THE LIMIT SWITCH

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

Complete the installation:

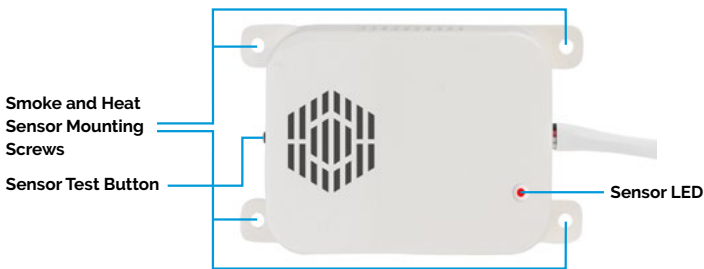
- Fold the wires into the box, keeping the grounding wire away from the WHITE and HOT terminals. Screw the receptacle to the box and attach the faceplate.

Go to Step 4

Step 4: Installing the Smoke & Heat Sensor

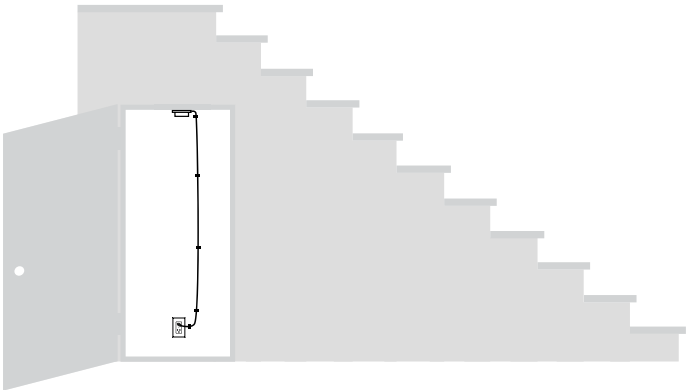
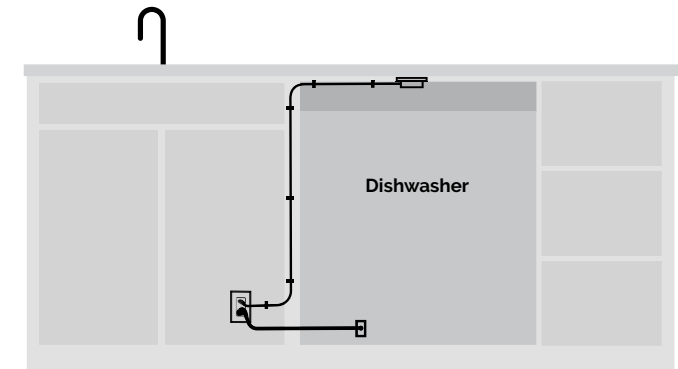
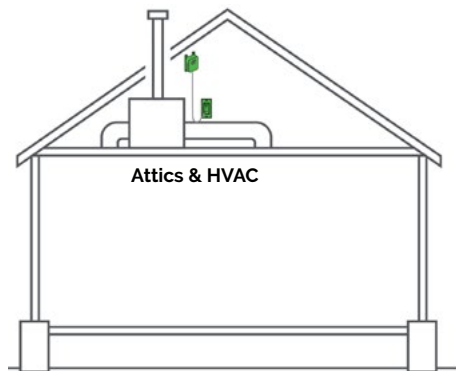
4. Install the Smoke and Heat Sensor

Use 4 screws to mount the Smoke and Heat Sensor near the appliance or device that will generate smoke or heat, positioning as high up as possible or above the smoke or heat source.



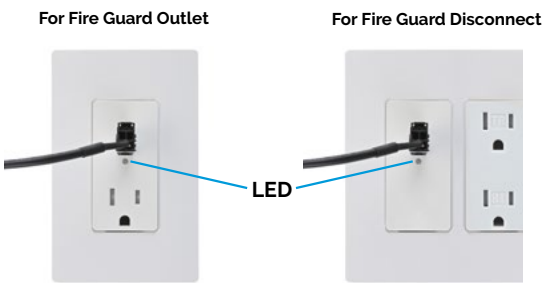
Plug the Smoke and Heat Sensor cable into the mating connector on the Fire Guard Outlet or Fire Guard Disconnect

Use cord clamps or adhesive back tie wrap anchors to safely route the Smoke and Heat Sensor cable along the wall or any other surfaces.



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

Verify the green LED on the outlet is illuminated and the red sensor LED flashes every 7 seconds. Press and hold the sensor test button and verify there is an audible alarm, the red sensor LED illuminates continuously, and the red outlet LED illuminates continuously. Verify there is no power at the outlet receptacle. Release the sensor test button and verify the outlet LED is green and the sensor LED flashes once every 7 seconds. The system is now ready for service.



NOTE: If the smoke sensor is triggered by smoke or heat, the audible alarm will sound continuously, the LED on the sensor will be steady ON, and the outlet power will turn off indicated by a steady red LED on the outlet. The audible alarm and the sensor LED will be on continuously even after the smoke dissipates or the environment cools. The outlet power will remain off indicated by a red LED on the outlet. To reset the system, clear the smoke and/or heat, disconnect the mating connector at the outlet and then plug it back in. Verify the LED flashes 1 time per 7 seconds.

Sensor LED logic:

- Normal Status: 1 flash every 7 seconds
- Pre-Alarm Status: 2 flashes per second, then 6 flashes in 3 seconds, followed by an alarm
- Alarm Status: LED steady on plus an audible alarm
- Contaminated Detector: 2 flashes immediately after power up, then alarm

Maintenance and Troubleshooting:

To test the heat sensor, direct a blow dryer toward the louvered openings in the sensor holding the heat source approximately 6 inches away to avoid damage to the sensor. To test the smoke sensor, allow smoke from a cotton wick or test smoke aerosol to enter the detector through the louvered vents. Alarm status can be confirmed by a continuous red sensor LED, audible alarm, and red outlet LED.

If the sensor is contaminated (indicated by 2 short flashes after power up), use a vacuum cleaner or compressed air directed toward the louvered vents to clean the detector. A contaminated detector may also cause a false alarm which can be fixed using this method. Note: if the sensor is installed during construction it should be covered to prevent dust intrusion and subsequent false alarms. Remove dust cover prior to use.

Regular Testing:

Annual testing using the sensor test button is recommended.

Conformance:

UL/CSA 60730-2-9 (control and heat sensing only). The smoke sensing function is not listed to any UL or CSA standard. **This product cannot be used as a substitute for a Listed smoke alarm or smoke detector as required by code.**