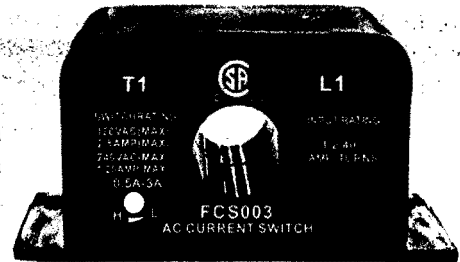


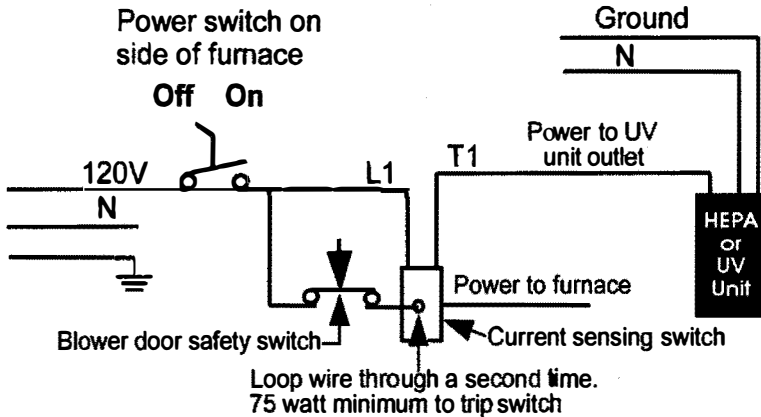
120 VAC CURRENT SENSING SWITCH INTERLOCKING

Interlocking your UV or HEPA unit to the furnace blower is quick and easy. The current sensing switch can be used for installations with a maximum switching capacity of 2.5 amp @ 120VAC / 1.25 amp @ 240VAC.

The current sensing switch works like an amp probe. You simply run the wire you want to monitor through the center of the switch and it senses when there is a load on that wire. When a load is present the switch closes. If there is no load it opens.



AC OR DC WIRING DIAGRAM

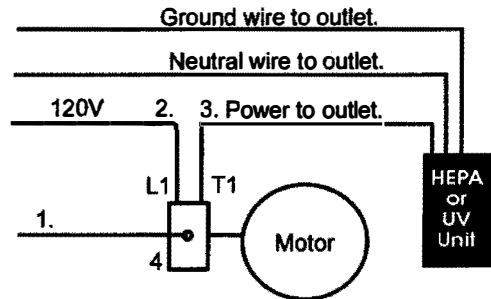


The switch senses AC loads only. The easy place to find a AC load to monitor is to utilize the wire coming from the blower door safety switch. When the blower starts up there is a load on that wire. This will work on furnaces with either AC or DC blowers. The minimum trip point of the switch is adjustable from .05 amp to 2.0 amp. This will allow the switch to ignore the small continuous load of the furnace transformer and controls, making installation on any air handler easy.

There is more than one way to skin a cat!

If the furnace is equipped with an AC blower you can also use the neutral wire from the blower to trip the switch. This type of wiring will only work on AC motors. There are many options and they are all quick and easy.

AC ONLY WIRING DIAGRAM



1. Neutral wire to blower motor
2. 120 V Power to current switch
3. Power to outlet for HEPA / UV unit. (load)
4. Current switch

INSTALLATION INSTRUCTIONS

All wiring must conform to local codes.

1. Turn off power to air handler.
2. Remove front panels from air handler.
3. For units equipped with a DC blower, locate blower door safety switch. Unplug one wire from safety switch and route through the center of the current sensing switch. Plug the wire back into the safety switch. For units equipped with an AC blower, a simpler option is to locate the white neutral wire supplying the blower motor. Unplug the wire, route it through the center of the current sensing switch, then plug it back in. *If the wattage from a variable speed blower is so low that the switch does not remain closed on low fan operation, you can loop the wire through the switch a second time to double the amp reading.*
4. Bring power from the power switch on the side of the air handler to L1 on the current sensing switch.
5. Route a wire from T1 on the current sensing switch to your outlet.
6. Bring both ground and neutral wires from the power switch on the side of the air handler to your outlet.
7. Secure current sensing relay either with tie wraps or screws.
8. Connect the UV or HEPA unit to the outlet and cycle air handler to be sure they turn on and off with the blower. If necessary, you can adjust the sensitivity of the switch by turning the pot on the front of the switch. This will not be necessary most of the time.
9. Reinstall front panels.

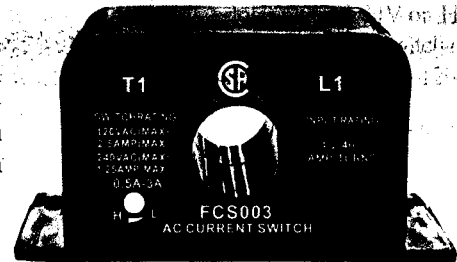
For Technical Assistance Please Call (800)982-1840

240 VAC CURRENT SENSING SWITCH INTERLOCKING

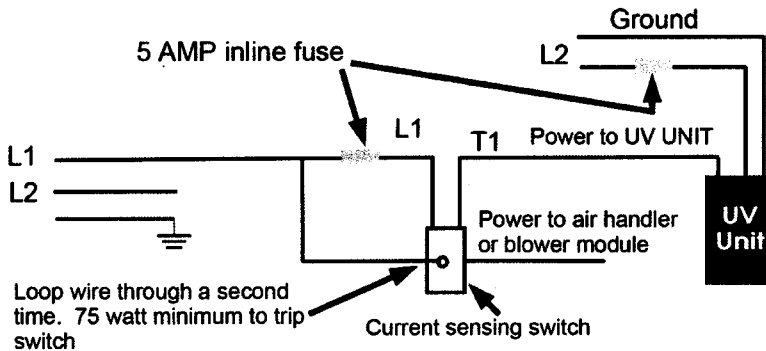
Interlocking your UV unit to the furnace blower is quick and easy.

The current sensing switch can be used for installations with a maximum switching capacity of 2.5 amp @ 120VAC / 1.25 amp @ 240VAC.

The current sensing switch works like an amp probe. You simply run the wire you want to monitor through the center of the switch and it senses when there is a load on that wire. When a load is present the switch closes. If there is no load it opens.



AC OR DC WIRING DIAGRAM

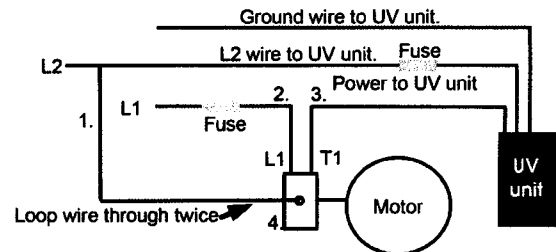


The switch senses AC loads only. The easy place to find an AC load to monitor is to utilize the wire coming from the blower door safety switch. When the blower starts up there is a load on that wire. This will work on furnaces with either AC or DC blowers. The minimum trip point of the switch is adjustable from .05 amp to 2.0 amp. This will allow the switch to ignore the small continuous load of the furnace transformer and controls, making installation on any air handler easy.

There is more than one way to skin a cat!

If the furnace is equipped with an AC blower you can also use the common wire from the blower to trip the switch. This type of wiring will only work on AC motors. There are many options and they are all quick and easy.

AC ONLY WIRING DIAGRAM



1. L2 wire to blower motor
2. L1 Power to current switch
3. Power to UV unit. (load)
4. Current switch

INSTALLATION INSTRUCTIONS

All wiring must conform to local codes.

1. Turn off power to air handler.
2. Remove front panels from air handler.
3. For units equipped with a DC blower, locate the AC wire supplying the blower module. Unplug that wire loop it through the current sensing relay twice and re-connect. For units equipped with an AC blower, a simpler option is to locate the common wire supplying the blower motor. Unplug the wire, route it through the center of the current sensing switch twice, then plug it back in.
4. Connect an inline fuse to L1. Connect the wire from the inline fuse to L1 on the current sensing switch.
5. Route a wire from T1 on the current sensing switch to the black wire on the UV unit.
6. Connect an inline fuse to L2. Connect the fuse lead to the white wire supplying the UV unit.
7. Connect Green wire from UV unit to a good quality ground.
7. Secure current sensing relay either with tie wraps or screws.
8. Be sure the UV unit turns on and off with the blower.
9. Reinstall front panels.

* If the wattage from a variable speed blower is so low that the switch does not remain closed on low fan operation, you can loop the wire through the switch a second or third time to double or triple the amp reading.

For Technical Assistance Please Call (800)982-1840