

# SENTINEL300

guarding the air you breathe



<b>Green LED:</b>	Light Steady - Normal operation Mode
<b>Red LED Light:</b>	Blink Once - Initializing Unit
	Steady – Unit Fault – Return to manufacturer.

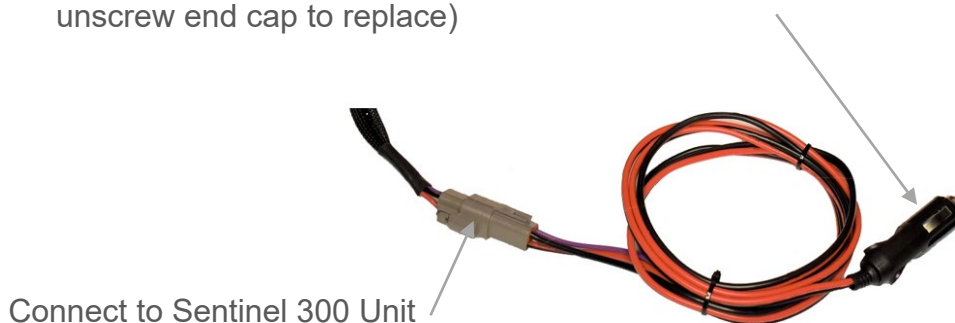
The Sentinel 300 has 3 operating modes:

## 1. Manual operated:

### Cigarette Lighter Adaptor Powered

- Power the Sentinel 300 using the supplied Cigarette lighter adaptor. The cigarette lighter adaptor has been modified and incorporates an additional purple wire, plugged in to Deutsch pin 3. This provides power to override the timer circuit.
- The unit is turned ON/OFF via the power button on the front panel.

Insert supplied cord in to 12V DC Cigarette Lighter Plug. (Has inbuilt 10A fuse, unscrew end cap to replace)



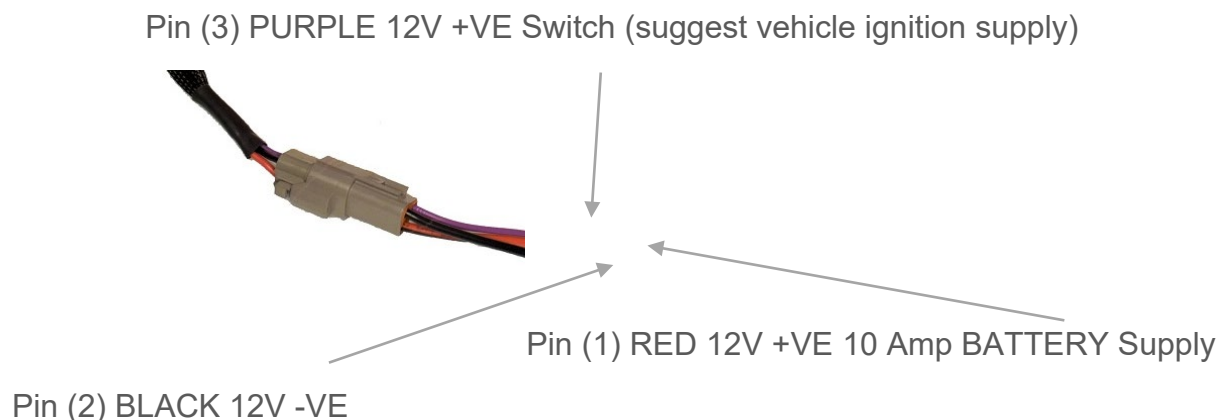
### Hard Wired, Constant Powered

- Power the Sentinel 300 using the supplied adaptor. Connect the RED (Pin 1) and PURPLE (Pin 3) wire to 12V +VE (Minimum 10 Amp Supply) Connect the Black (pin 2) to 12V -VE. Cut and extend the existing Cigarette Lighter adaptor or purchase additional Deutsch connector.
- The unit is turned ON/OFF via the power button on the front panel.

## 2.Timer Operated:

Leave Sentinel 300 unit's power button on (depressed). The unit will now automatically start with a 12V +VE from Switch source and run for 60 Minutes after the Switch power is disconnected.

- To enable the timer function, connect the units supply power:



## 3. Operation

- Leave Sentinel 300 unit's power button on (depressed).
- The unit will now automatically start with a 12V +VE from Switch source and run for 60 Minutes after the Switch power is disconnected.

## Routine Maintenance:

**This unit contains no filtration device. No internal maintenance is required**

- Lightly brush dust off fan covers once a week or when necessary.

### Troubleshooting:

Unit will not operate when plugged in and On/Off Button depressed on

- Check 10A fuse in holder, side of unit – replace if blown
- Check 10A fuse in Cigarette lighter adaptor – replace if blown
  - If in timer mode:
    - Check Battery Feed and any fuses
    - Check Switch Feed and any fuses

Unit Makes a noise on start up

- This is normal, unit self-cleans upon start up and every 72 hours of continuous operation automatically.

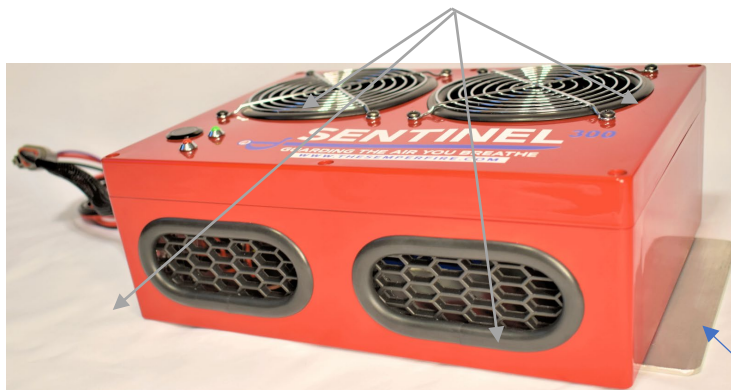
Red light on unit stays illuminated when turned on

- Unit has an internal fault and needs to be returned to manufacturer.

### Installation Guide.

- This unit must be installed in a manner where the units' air inlets/ outlets will not be blocked or obstructed.
- The unit shall position in a manner to allow air flow to circulate in the vehicle interior.
- The unit can be mounted vertically or horizontally on any surface capable of affixing a 7-pound box, using no less than 4 x #6 size screws or bolts.
- The unit shall be mounted using the supplied mounting plates, with a minimum of 2 screws or bolts per plate.
- Screws and bolts should be located 1 ½" from either end, centered on the plate. Additional screws and bolts may be used.

Keep inlet and outlet clear of obstruction



Mount using plate attached to the box. Use minimum 2 fixings per plate #6 size bolt or screw.

### Warranty

Equipment manufactured by Semper Fire, LLC is warranted by Semper Fire, LLC to be free from defects in workmanship or materials for a period of one year from the date of shipment to the original customer.