



# Nozzle Leak Detector Operators Instructions

## #171707

January 2020  
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# Nozzle Leak Detector Operators Instructions

## A. Without machine interface

1. Attach Bracket Assembly to Nozzle with hose clamp (sold separately).
2. Affix the thermocouple into bracket and tighten in place with set screw .
3. With unit toggled to OFF position, plug thermocouple into the thermocouple socket located on the right side of the unit.
4. Plug the leak detector unit into a standard 120V grounded receptacle.
5. Toggle switch to ON position to power up the unit.
6. Adjust the set point on the controller to approximately 100 to 150°F below the nozzle zone temperature.
  - To adjust the set point temperature on the controller, refer to the Model 3300 Controller instruction manual.
  - Instructions to lock the set point temperature are included in the Model 3300 Controller Instruction manual.
7. When a leak is detected, the audible alarm will sound and the LED will light up. Turn unit OFF and repair leak.
  - NOTE: Do not just toggle switch to OFF position without repairing leak.
  - To reset controller, follow instructions on the Model 3300 Controller Instruction manual
  - Audible alarm volume can be adjusted by rotating the louver on alarm face.
8. After the leak is fixed and the controller is reset turn unit back ON. The audible alarm will remain silent and the LED warning light will remain off until another leak is detected.

## B. With Machine Interface

1. Attach Bracket Assembly to Nozzle with hose clamp (sold separately).
2. Affix the thermocouple into bracket and tighten in place with set screw.
3. With unit toggled to OFF position, plug thermocouple into the thermocouple socket located on the right side of the unit.
4. Wire plugs (included with unit) to use for input and output.
  - Hot wire goes to brass screw
  - Neutral wire goes to silver screw

**NOTE: there is no ground for input and output**  
**CAUTION: ONLY WIRE PLUGS WHEN THERE IS NO VOLTAGE PRESENT**

5. Insert plugs from machine into appropriate receptacles located on side of unit.
  - Input receptacle is for input voltage at standard 120v non grounded power.

- Output receptacle is for output voltage at standard 120v non grounded power.

**Note: Input receptacle will always have power and Output receptacle will have no power until a leak is detected.**

6. Plug the leak detector unit into a standard 120V grounded receptacle.
7. Toggle the switch to ON position to power up the unit.
8. Adjust the set point on the controller to approximately 100 to 150°F below the nozzle zone temperature.
  - To adjust the set point temperature on the controller, refer to the Model 3300 Controller instruction manual.
  - Instructions to lock the set point temperature are included in the Model 3300 Controller Instruction manual.
9. When a leak is detected, the audible alarm will sound and the LED will light up. Turn unit OFF and repair leak.
  - NOTE: Do not just toggle switch to OFF position without repairing leak.
  - To reset controller, follow instructions on the Model 3300 Controller Instruction manual.
  - Audible alarm volume can be adjusted by rotating the louver on alarm face.
10. After the leak is fixed and the controller is reset, toggle switch back to ON position. The audible alarm will remain silent and the LED warning light will remain off until another leak is detected.

## Nozzle Leak Detector Specifications

### Unit ON with NO Leaks

Sonalert Alarm OFF/LED OFF/Output Receptacle has NO power  
Voltage: 120V  
Amperage: (PEAK) 0.022 amps  
(AVERAGE) 0.016 amps  
Power/Wattage: (PEAK) 1.4 W  
(AVERAGE) 1 W

### Unit ON DETECTING Leaks

Sonalert Alarm ON/LED ON/Output Receptacle HAS power  
Voltage: 120V  
Amperage: (PEAK) 0.034 amps  
(AVERAGE) 0.032 amps  
Power/Wattage: (PEAK) 3.5 W  
(AVERAGE) 3.4 W



# Nozzle Leak Detector Controller

## Controller Model 3300

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# Model 3300 Controller Programming Instructions

## To Program the Set Point Temperature:

1. Press and hold the “\*” button.
  - “°F” and the temperature flash back and forth in the display
2. While holding the “\*” button, press ▲ button to move set point temperature up, or press ▼ button to move set point temperature down
  - Holding the ▲ or ▼ button while holding the “\*” button will change the temperature continuously
  - Quickly pressing the ▲ or ▼ button while holding the “\*” button will change the temperature in 1-degree increments with each press
3. After you reach the desired set point temperature, release the “\*” button; your set point temperature is now programmed.

**Note: The current thermocouple temperature is displayed.**

## To Lock the Set Point Temperature:

**After you set the temperature, you can lock it by following the instructions below:**

1. Press and hold both ▲ or ▼ buttons together until “tune” is displayed, then release both buttons.
  - The word “tune” and the word “off” flash back and forth in the display
2. Press the ▲ button until you see “SPLk” in the display.
  - “SPLk” and the word “off” should be flashing back and forth in the display



3. When “SPL” is displayed, press and hold the “\*” button and the ▲ or ▼ button to select off or on.
4. Select “on” and release the “\*” button; the set point is now locked.
5. Press and hold the ▲ or ▼ buttons together until the thermocouple temperature is displayed, then release the buttons.
6. To verify that the set point is locked, press and hold the “\*” button, and while holding the “\*” button, quickly press either the ▲ or ▼ button.
  - If the set point is locked, the temperature will not move
  - If the temperature changes, repeat steps 1-5

## To Reset Controller:

1. After the unit detects a leak, the audible alarm and LED will activate and remain on until the controller is reset.

**Caution: Only reset controller after the leak is fixed.**

2. Before the temperature can be reset, the temperature of the thermocouple displayed on the controller must be below the set point temperature; the controller cannot be reset until this happens.
3. To reset the controller, press the ▲ and ▼ buttons together and release quickly. The controller will reset and both audible alert and LED will turn off.