

# SENSIT®RLD-2

## Refrigerant Gas Detector

### INSTRUCTION MANUAL

Read and understand instructions before use.



### SPECIFICATIONS

Power Supply:	3 "C" alkaline batteries
Sensor:	Conductive Polymer Ionization (CPI)
Sensitivity:	Selectable to 0.25 oz /yr 134a
Warm up:	Approx. 3 seconds
Response Time:	Instantaneous
Duty Cycle:	Continuous
Battery Life:	Approx. 24 Hours
Size:	3.5" x 10" x 1.6" (89 x 254 x 40 mm)
Weight:	1.3 lbs. (591 g)
Probe Length:	16"

### ACCESSORIES

#### REPLACEMENT PARTS

PRD0110	Sensor
ISRLD0500	Instruction Manual

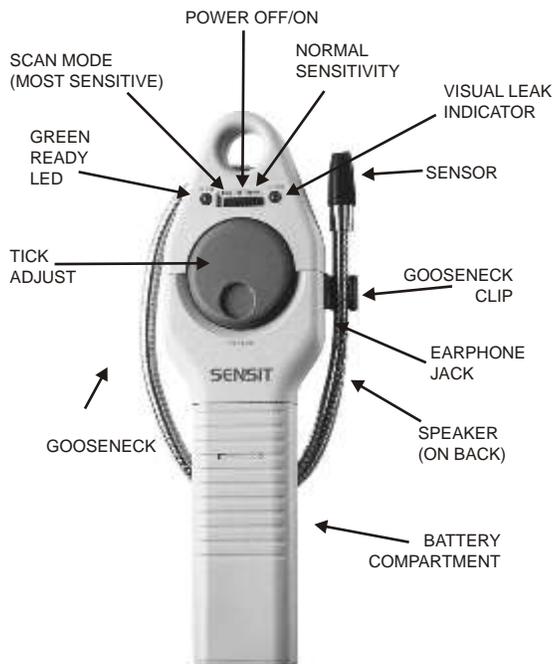
#### ACCESSORIES

PHXG0260	Hard Carrying Case
P014091	Earphone

### GENERAL DESCRIPTION

The SENSIT®RLD-2 is a state-of-the-art refrigerant leak detector capable of detecting all halogen based gases. Selectable sensitivity combined with an adjustable tick rate will allow any service professional to pinpoint those tough to find leaks even when the environment is contaminated by other gases.

### PRODUCT FEATURES



### BATTERY REPLACEMENT

If the green light fails to illuminate, the batteries need replacement. Depress the latch using a coin and slide the battery compartment cover off. Replace the batteries with 3 "C" alkaline batteries.

When replacing the batteries observe the polarity markings on the sides of the battery holder. A fresh set of alkaline batteries should operate the unit for approximately 24 hours.

### SENSOR REPLACEMENT

Replace the sensor when:  
a)The red light remains illuminated at all times.  
b)The response is erratic.  
c)There is reduced sensitivity.

1. Turn the unit off.
2. Remove the old sensor by unscrewing in a counterclockwise direction.
3. Install a replacement sensor by screwing in a clockwise direction until FINGER TIGHT.

4. Do not change the sensor in a hazardous environment.

**WARNING:** Turn unit off before cleaning or replacing the sensor. Failure to do so may result in a mild electrical shock.

Instrument Operations on other side.



SENSIT Technologies  
851 Transport Drive • Valparaiso IN 46383  
(219) 465-2700 • Fax: (219) 465-2701  
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# SENSIT<sup>®</sup>RLD-2

## Refrigerant Gas Detector

### INSTRUCTION MANUAL page 2

#### OPERATIONS

1. Turn the unit on in an uncontaminated environment by moving the switch from the "OFF" to the "NORM" position.
2. The green ready light will illuminate if there is ample battery power. The red LED may flicker and the tick may sound during the warm up. To silence the tick, rotate the tick wheel fully counterclockwise.
3. Adjust the "TICK ADJUST" by rotating it in a clockwise direction until a uniform tick begins to sound. The red light will flash at the same time the tick sounds.
4. Approach suspected leak areas with the sensor until the tick begins to increase. When the tick increases do not move the sensor from the suspected leak area, rotate the tick adjust slightly counterclockwise to slow the ticking sound and continue to approach the leak. Continue to slow the tick until the leak is found.

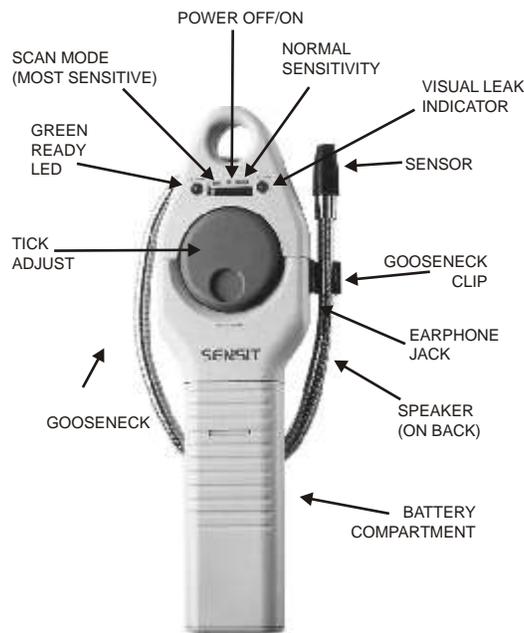
**REMEMBER:** An increase in tick indicates you are approaching a leak, a decrease in tick indicates you are moving away.

5. To find extremely small leaks use the same procedure but operate the unit in the "SCAN" mode.
6. If the green light does not illuminate, the batteries must be replaced.

#### OPERATIONS continued

7. An earphone can be plugged into the earphone jack when using this instrument in noisy areas.
8. If the response is erratic, check the sensor for tightness and cleanliness. Cleaning the sensor with alcohol is permitted with the instrument off.
9. If the instrument does not perform, replace the sensor. We recommend sensor replacement before every season.

#### PRODUCT FEATURES



#### WARRANTY AND REPAIR POLICY

Your SENSIT<sup>®</sup>RLD-2 is warranted to be free from defects in materials and workmanship for a period of one year after purchase (excluding sensor and batteries).

If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at our option.

This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect, or improper maintenance.

A purchase receipt or other proof of date of original purchase will be required before warranty performance will be rendered. Instruments out of warranty will be repaired for a service charge.

Return the unit postpaid and insured to:

SENSIT TECHNOLOGIES  
851 Transport Drive  
Valparaiso, IN 46383

(219) 465-2700

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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