



RD95
Refrigerant Gas
Leak Detector



OPERATING INSTRUCTIONS

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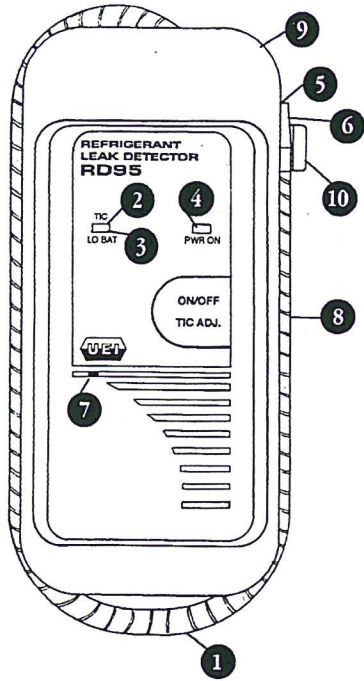
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UNIVERSAL ENTERPRISES, INC.
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Printed in Korea

Product Features



1. Flexible Gooseneck
2. Visual Leak Indicator
3. Low Battery Indicator
4. Power On Light
5. Advanced Ionization Sensor
6. Sensor Protector
7. Audible Leak Indicator
8. Tic Adjustment
(located on the side of the unit)
9. Protective Boot
10. Gooseneck Clip

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General Description

The RD95 is an advanced technology refrigerant gas leak detector. This detector is capable of locating any of the current halogen based gases such as refrigerants. These gases include CFCs, HCFCs and HFCs.

A partial list of these gases include:

- CFCs - R11, R12, 113, etc.
- HCFCs - R22, R502, R500, etc.
- HFCs - R134A, R123, R125, R23, etc.

This unit will detect other halogen compounds such as SF6, Perchloroethylene and Halon.

Please contact your distributor or UEI for more information on a specific application.

This instrument is not to be used in combustible environments.

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Operation

1. Turn the instrument on by rotating the thumbwheel toward the "ON" position in a non-contaminated environment.
2. The green Power light will be illuminated when the unit is turned on. If there is insufficient power, the red low battery indicator will be steady and the tic rate will not be adjustable.
3. Adjust to a slow uniform tic rate with the use of the thumbwheel. The red leak indicator will flash in correspondence with the tic rate.
4. To pinpoint a leak source, move the sensor tip along the area to be checked. The tic rate will increase as you approach a leak. To easily locate changes in concentration and to find the leak source, adjust the tic rate slower as you approach the leak. The tic rate will decrease when you move away from the leak source.
5. When this instrument is used in noisy environments, look at the red leak indicator light that flashes more rapidly as the tic rate increases.
6. If the tic rate becomes uncontrollable, it may be necessary to change the sensor filter or the sensor. The sensor filter can be removed and cleaned using alcohol and compressed air (see page 6).
7. We recommend that the sensor should be replaced at least once a year.

Battery Replacement

1. Remove the protective boot from the unit by pulling the boot from the bottom of the instrument and then sliding the gooseneck through the exit hole provided in the boot.
2. Access the battery by removing the case screws and lifting the back cover of the instrument.
3. Replace the 9V alkaline battery. An alkaline battery should always be used.
4. Reverse the above procedure to reassemble the instrument.

Sensor Filter and Sensor Replacement

To replace the sensor filter, simply slide the filter off the sensor by pulling the black tip away from the gooseneck assembly. For best results, hold the back portion of the sensor when removing the filter assembly.

To remove the sensor:

1. Turn the unit off.
2. Remove by turning the sensor counter clockwise until removed.
3. Replace with a new sensor by turning the sensor clockwise until finger tight.

Warning!

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

Specifications

Power Supply	1 9V alkaline battery
Sensor	Advanced ionization detection
Sensitivity	.4oz. per year 134A based on LS-20 leak standard
Indicators	Audible: Adjustable tic rate Visual: Flashing LED
Warm-up	10 seconds
Response Time	Instantaneous
Duty Cycle	Continuous
Battery Life	Approximately 16 hours
Dimensions	7 1/4"H x 3 1/4"W x 1 3/8"D
Weight	18 oz.
Probe Length	18 inches

Replacement Parts

Sensor Filter	PRD0120
Sensor with Filter	PRD0110
Protective Boot	PRD0130
Case	AC500

Warranty

Your RD95 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase (excluding sensor, sensor filter and battery). If, within the warranty period, your RD95 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 date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired for a service charge. Return the unit postage paid and insured to:

UEI Service Department
5500 SW Arctic Drive
Beaverton, OR 97005
(503) 644-8723

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