

Series Sensitivity Reader



Models Available

SENS-RDR	Sensitivity reader for all i ³ series standard, sounder, and Form C relay detectors
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Product Overview

Reads sensitivity of all i³ series detectors

Displays sensitivity in percent per foot obscuration

Does not require a physical connection to the detector

Eliminates the need for a voltmeter or multi-meter

May be used as a hand-held device or with a threaded extension pole

LCD display indicates specific sensitivity reading and a status indication

Provides audible and LED indication when detector sensitivity has been read

Operates with two AA alkaline batteries

Includes low battery indication

Auto shut-off after 30 minutes

System Sensor's SENS-RDR sensitivity reader simplifies detector inspection with a convenient wireless device. Like all i³ series products, the SENS-RDR is intelligent, easy to use, and provides instant inspection.

Installation (testing) ease. The SENS-RDR receives an infrared signal from the i³ detector to read its sensitivity. As a result, there is no need for a physical connection to the detector. Also no voltmeter or multi-meter is required, to further reduce testing time. The SENS-RDR is designed for either hand-held use or may be connected to a threaded extension pole, to eliminate the need for a ladder when measuring the detector's sensitivity.

Intelligence. The SENS-RDR provides specific information related to the sensitivity of the detector. Rather than displaying a voltage reading, the SENS-RDR indicates the detector's sensitivity in terms of percent per foot obscuration. This eliminates the added step of cross-referencing a voltage reading to a sensitivity range.

Instant inspection. The SENS-RDR is equipped with an LED and sounder to indicate when the device has completed reading an i³ detector. Upon completion, the LCD screen displays the detector's sensitivity as well as one of three text status indications: GOOD, SERVICE, or REPLACE. Additionally, the SENS-RDR provides a low battery indication when its two AA alkaline batteries need to be replaced.



Architect/Engineer Specifications

Sensitivity reader shall be a System Sensor i³ series model number SENS-RDR, listed with Underwriters Laboratories as a smoke detector accessory. The reader shall be capable of reading the detector's sensitivity without the need for a physical connection

to the detector, and shall not require the use of a voltmeter or multi-meter. The reader shall offer the capability of hand-held use or shall accept a threaded extension pole. The reader shall include an LCD screen which indicates a detector's sensitivity in

terms of percent per foot obscuration and a textual status indication. The reader shall operate with two AA alkaline batteries and shall be capable of indicating a low battery condition on the LCD screen.

Specifications

Batteries

2 – AA alkaline batteries (not included)

Dimensions

Length: 7 $\frac{1}{2}$ inches (181 mm)
Width: 1 $\frac{1}{2}$ inches (35 mm)
Depth: 1 $\frac{1}{2}$ inches (29 mm)

Weight

8 oz. (225 grams)

LCD Status Indications

Status Indication

GOOD

Action

The detector is within its sensitivity range. No action is necessary at this time.

SERVICE

The smoke detector's sensing chamber requires cleaning for continued reliable operation. Refer to the i³ Series manual for proper maintenance procedures.

REPLACE

The smoke detector is failing and should be replaced immediately.

SENS-RDR Operation

1. Turn the reader on by pressing and holding the button for approximately 2 seconds until the reader sounds. The LCD will display the word "READY". The "READY" status indicates that the SENS-RDR is ready for accepting data from an i³ Series smoke detector.
2. Place the reader by the smoke detector being tested. Position the reader above the oval depression near the word "PAINT" (See Figure 1). Position the reader below the detector at an angle (See Figure 2). A ledge and an anti-skid tip is provided on the reader to maintain

the reader in place while it reads the sensitivity.

3. Hold the reader in this position up to 10 seconds until the reader sounds and the reader's red LED illuminates. (**Note:** If the reader does not sound after 10 seconds, verify that the reader is properly positioned, and the LCD displays "READY".)
4. The LED and sounder indicate a valid reading is received. The reader will automatically display two results. The first is a percent per foot obscuration measurement, which is displayed for

approximately 3 seconds, followed by a textual status indication. The reader will continue to display both results for up to 30 minutes, or until the reader is reset.

5. To measure the sensitivity of the next detector, reset the reader by momentarily pressing the button. The LCD will again display the word "READY". Repeat steps 2 through 4, as necessary.
6. When finished, turn off the reader by pressing and holding the button for approximately 2 seconds until the reader sounds.

Figure 1: Reader location on i³ series detectors

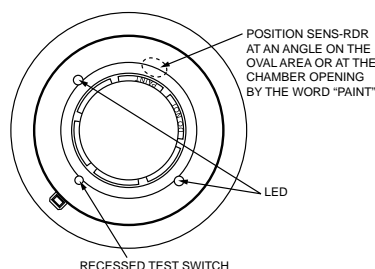
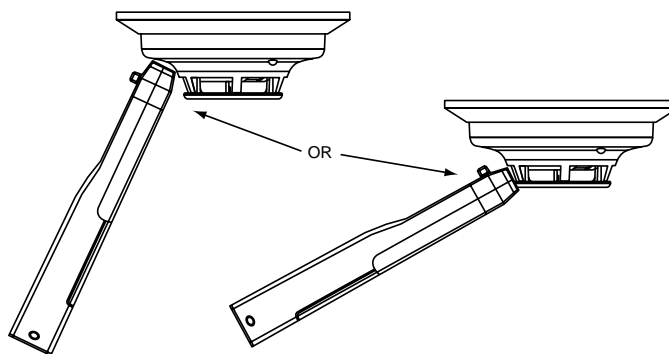


Figure 2: Position Reader on i³ series detectors



Ordering Information

Model	Description
SENS-RDR	Sensitivity reader for i ³ series smoke detectors

System Sensor Sales and Service

System Sensor Headquarters

3825 Ohio Avenue
St. Charles, IL 60174
Ph: 800/SENSOR2
Fx: 630/377-6495
Documents-on-Demand
800/736-7672 x3
www.systemsensor.com

System Sensor Canada

Ph: 905.812.0767
Fx: 905.812.0771

System Sensor Europe

Ph: 44.1403.276500
Fx: 44.1403.276501

System Sensor in China

Ph: 86.29.524.6253
Fx: 86.29.524.6259

System Sensor in Singapore

Ph: 65.6273.2230
Fx: 65.6273.2610

System Sensor – Far East

Ph: 85.22.191.9003
Fx: 85.22.736.6580

System Sensor – Australia

Ph: 613.54.281.142
Fx: 613.54.281.172

System Sensor – India

Ph: 91.124.637.1770 x.2700
Fx: 91.124.637.3118