Product presentation

- Completely wireless - Battery powered with 3V Lithium battery for 1 year battery life.
- Dual tamper function provides detection for both wall and cover tamper.
- Transmits check-in/status signals every 8 minutes
- 85dB output level at 3m
- 24h detection

Program Button and Indicator light

ISD base installation

The ISD smoke detector is designed to be mounted either way on a ceiling or on a wall (only if necessary).

You can refer to pages 3, 4 & 5 to determine the best location for it to be installed..

1. At the installation location : draw a 20 cm line.

2. Remove the ISD from its base : Turn it in a counterclockwise direction.

3. Align the base bracket holes on the line and mark the drilling points.

4. Use a 5 mm drill and insert the provided plastic anchor plugs inside.

5. Fix the support by using the provided screws.

Warning

A plastic latch prevents the battery compartment closing and the ISD mounting if there is no battery inside.

Note

The ISD buzzer beeps once for 2 to 4 seconds after the detector installation, indicating proper operation

Close the lid and press the test button, hold for 3 seconds to trigger the alarm buzzer.

Battery installation

1. Open the battery compartment.

2. Insert the battery and confirm the **+** and **-** terminals are aligned.

3. When the battery is installed , the buzzer will beep to indicate the ISD is powered.

Programming

1. Mount the detector on its base. The yellow light should switch off.

2. With the programming keypad, browse to the ADD A NEW DEVICE menu (Level 4).

3. Press OK/YES. The keypad displays PRESS PROGRAM BUTTON OF DEVICE.

4. Press program button. The button blinks in green. Wait for keypad to display SMOKE DETECT. n RECORDED.

5. Press OK/YES. The display shows RADIO RANGE TEST?

Press OK/YES again to run the test. The keypad display shows TEST IN PROGRESS.

6. Make sure the siren is flashing indicating good communication with the control panel. The test result must stabilize at 8/9 as a minimum.

If the radio range level is below 8/9, change the location of the detector to obtain satisfactory radio range level.

7. Press OK/YES to end the radio range test then ESC NO.

8. Name the detector. When finished, keep ESC NO pressed to exit from configuration mode.

For full programming details, please refer to the control panel installation manual.

Testing your smoke detector

Test the alarm weekly by pushing firmly on the test button with your finger for around 4 seconds until the horn sounds, the sound pattern is 3 beeps , pause, and then 3 beeps with red LED flashing continuously and rapidly.

If the smoke alarm beeps three with yellow LED flashing three times in 43 seconds, it indicates the smoke alarm is not working properly, it requires to be repaired or serviced.

This is the only way to make sure that the smoke alarm unit is working properly. If the unit fails to test properly, have it repaired or replaced immediately. If you suspect that your smoke alarm does not go into alarm, test it by pressing the test button with your finger to ensure if it works properly.

Warning

Never use an open flame of any kind to test your alarm. You may set fire to damage the alarm, as well as your home. The built-in test switch accurately tests all functions as required by Underwriters' Laboratories. They are the only correct ways to test the unit.

Note

Never remove battery from smoke alarm to stop a nuisance alarm. Open a window or fan the air around the smoke alarm to get rid of the smoke. The alarm will turn itself off when the smoke is gone. If nuisance alarms persist, attempt to clean the smoke alarm as described in this Installation Manual.

Only use the following batteries :

1. DURACELL Ultra LITHIUM 123 or PANASONIC CR123A Industrial Lithium, with 1 yerar guaranteed battery life in normal operation.

Do not use other battery types. RSI Video Technologies will not guarantee the proper operation of the ISD with another battery type. After every battery replacement, confirm the proper operation of the smoke detector with the testing feature.

Reduced sensitivity mode

The silence feature can temporarily quite an alarm for up to about 10 minutes. To use this feature, press test/silence button on the cover when it alarms.

However, if the smoke concentration around the smoke alarm unit is stillat alarming level after about 10 minutes of silence, the unit will re-alarm immediately.
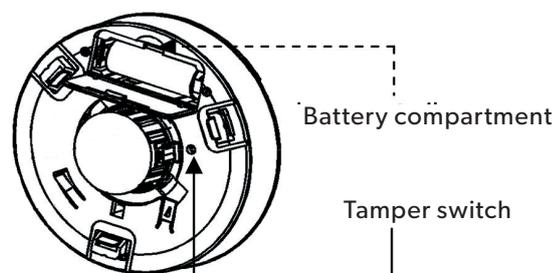
Taking care of your smoke alarm

Your smoke alarm is designed to be maintenance-free as possible. To keep your smoke alarm in good working condition, you must test the unit weekly.

Remove battery before cleaning. Open the cover and vacuum the dust off the alarm's sensing chamber at least once a month. To clean smoke alarm , use soft brush attachment to your vacuum.

Carefully remove any dust on smoke alarm components, especially on the openings of the sensing chamber. Replace battery after cleaning.

Test the smoke alarm to make sure the battery is working correctly.

Never use water, cleaners as they may damage the unit.

Battery compartment

Tamper switch

Important

For any reason, do not disable the unit to avoid nuisance alarms.

Avertissement

Never remove battery from smoke alarm to stop a nuisance alarm. Open a window or fan the air around the smoke alarm to get rid of the smoke. The alarm will turn itself off when the smoke is gone.

If nuisance alarms persist, attempt to clean the smoke alarm as described in this installation manual.

Avertissement

Do not stand close to the smoke alarm when the alarm is sounding. The alarm is loud in order to wake you in an emergency. Too much exposure to the horn at close range may be harmful to your hearing.

Indicator light

Yellow blink with 3 beeps	Malfunction
Continuous yellow blink	Low battery
Red blink once every 334 seconds	Normal operation
Red blink once every 10.7 seconds	Reduced sensitivity operation (during 10 minutes)
Fixed red light with 3 loud beeps	Alarm

Avertissement

This alarm is not meant to be used in non-residential buildings. Warehouses, industrial or commercial buildings, and special purpose non-residential buildings require special fire detection and alarm systems.

This smoke alarm alone is not a suitable substitute for complete fire detection systems for places where many people live or work, such as hotels or motels. The same is true of dormitories, hospitals, nursing homes or group homes of any kind, even if they were once single family homes. Please refer NFPA 101, the Life Safety Code, NFPA 72A for smoke alarm requirements for fire protection in buildings not defined as "households".

Avertissement

This smoke alarm will not alert people who are hard of hearing. It is strongly recommended that the special-purpose smoke alarms, using lights or vibrating devices, should be installed to alert occupants who are hard of hearing.

Avertissement

Do not connect ISD smoke detectors to any other alarm or auxiliary device. Connecting anything else to this alarm will keep it from working properly.

Installation guideines

Smoke alarms should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, Battery march Park, Quincy, MA 02169).
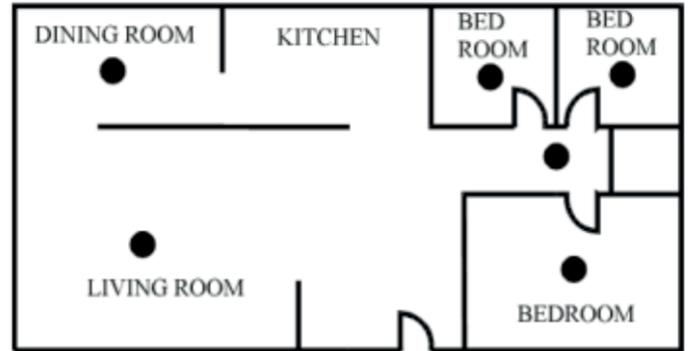
For complete coverage in residential units, smoke alarms should be installed in all rooms, halls, storage areas, basements, and attics in each family living unit. Minimum coverage is one alarm on each floor and one in each sleeping area.

Installation tips :

- Install a smoke alarm in each separate room and exit way except kitchen and bathroom, as shown in Figure 1 and Figure 2.
- Install a smoke alarm on every floor of a multi-floor home or apartment, as shown in Figure 3.
- Install a minimum of two alarms in any household.
- Install a smoke alarm inside every bedroom.
- Install smoke alarms at both ends of a bedroom hallway if the hallway is more than 40 feet (12 meters) long.
- Install basement alarms at the bottom of the basement stairwell.
- Install second-floor alarms at the top of the first-to-second floor stairwell.
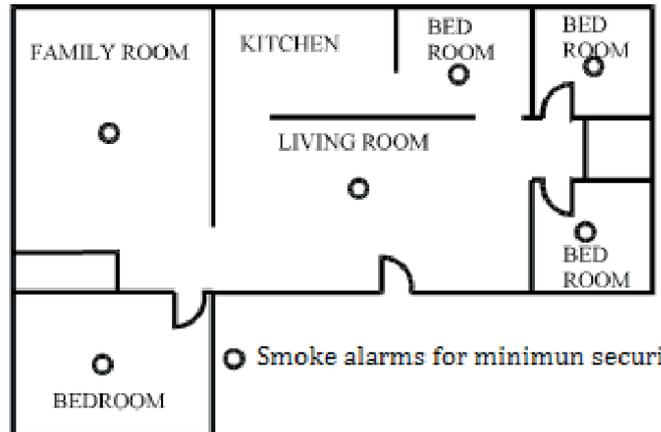
Figure 1 :

One separate smoke alarm in every bedroom and one smoke alarm in the floor for more security.

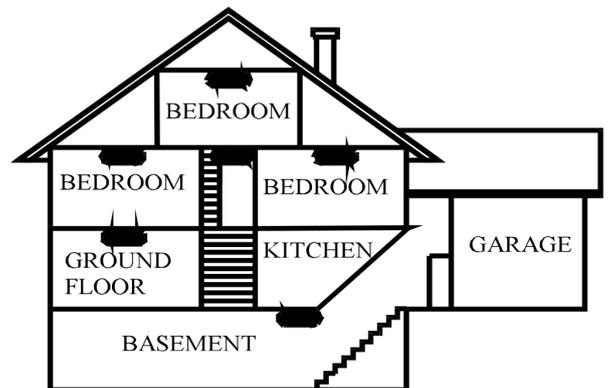● Smoke alarms for more security

Figure 2 :

One separate smoke alarm in every room, except kitchen and bathroom.

○ Smoke alarms for minimun security

Figure 3 :

Location for placing smoke alarms for a multi-floor residence.

Smoke alarms for minimum security

Installation guideines

Be sure no door or other obstruction blocks the path of smoke to the alarm.

- Install additional alarms in your living room, dining room, family room, attic, utility and storage rooms.
- Install smoke alarms as close to the center of the ceiling as possible. If this is not practical, put the alarm on the ceiling, no closer than 20 inches (50 cm) from any wall or corner, as shown in Figure 4.
- If ceiling mounting is not possible and wall mounting is permitted by your local and state codes, put wall-mounted alarms between 4 and 6 inches (10 ~ 15 cm) from the ceiling, also see Figure 4.
- If some of your rooms have sloped, peaked, or gabled ceilings, try to mount alarms 3 feet (0.9 meter) measured horizontally from the highest point of the ceiling as shown in Figure 5.

Caution

(As required by the California State Fire Marshall)

"Early warning fire" detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows:

1. A smoke alarm installed in each separate sleeping area (in the vicinity, but outside of the bedrooms).

2. Heat or smoke alarms in the living rooms, dining rooms, bedrooms, kitchens, hallways, attics, furnace rooms, closets, utility and, storage rooms, basements and attached garages.

For your information, NFPA Standard 72, Section 29 reads as follows:

"29.5.1 Smoke alarms shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each additional story of the family living unit including basements and excluding crawl spaces and unfinished attics.

The provisions of 29.5.1 represent the minimum number of alarms required by this standard. It is recommended that the householder consider the use of additional smoke alarms for increased protection for those areas separated by a door from the areas protected by the required smoke alarms under 29.5.1 above. The recommended additional areas are living room, dining room, bedroom(s), kitchen, attic (finished or unfinished), furnace rooms, utility room, basement, integral or attached garage, and hallways not included in 29.5.1 above. However, the use of additional alarms remains the option of the householder." We recommend complete coverage and use of additional smoke alarms.

Figure 4 :

If it is not practical to mount the alarm on the center of ceiling , put the alarm on the ceiling, no closer than 50 cm to any wall or corner , as shown in figure 4.
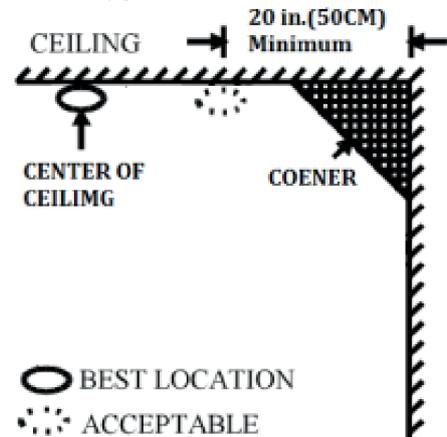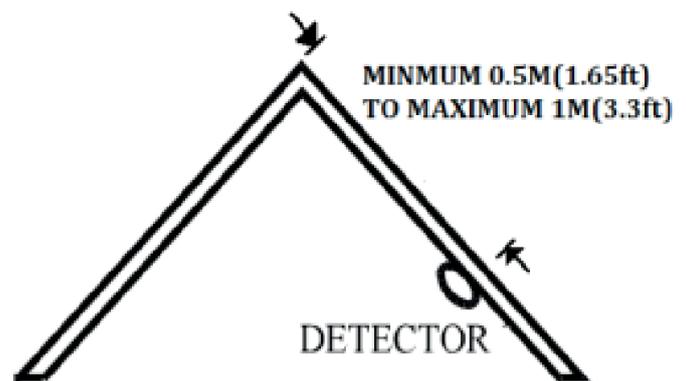

Figure 5 :

The distance between the peak and the mounting point of the smoke alarm on peaked ceilings(>20°) is minimum 0.5M to maximum 1 m measured along the peaked ceiling.
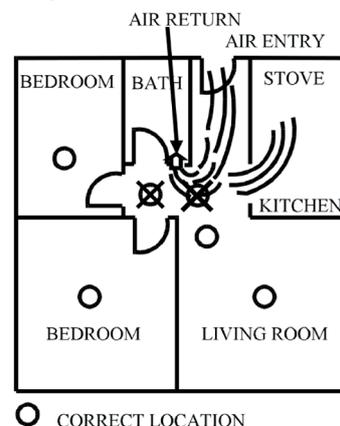
Locations not to install your smoke alarms

Nuisance alarms take place when smoke alarms are installed where they will not work properly. To avoid nuisance alarms, do not install smoke alarms in the following situations:

• Combustion particles are the by-products of something that is burning. Thus, in or near areas where combustion particles are present you do not install the smoke alarms to avoid nuisance alarms, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.

• Do not install smoke alarms less than 20 feet (6 meters) away from places where combustion particles are normally present, like kitchens. If a 20-foot distance is not possible, e.g. in a mobile home, try to install the alarm as far away from the combustion particles as possible, preferably on the wall. To prevent nuisance alarm alarms, provide good ventilation in such places.

Figure 6 :

Emplacements d'installation recommandés pour éviter les courants d'air avec particules de combustion.

• When air streams passing by kitchens, the way how an smoke alarm can sense combustion particles in normal air-flow paths is graphically shown in Figure 6, which indicates the correct and incorrect smoke alarm locations concerning this problem.

• In damp or very humid areas, or near bathrooms with showers. Moisture in humid air can enter the sensing chamber, then turns into droplets upon cooling, which can cause nuisance alarms. Install smoke alarms at least 10 feet (3 meters) away from bathrooms.

• In very cold or very hot areas, including unheated buildings or outdoor rooms. If the temperature goes above or below the operating range of smoke alarms, it will not work properly. The temperature range for your smoke alarm is 0°~49°

• In very dusty or dirty areas, dirt and dust can build up on the alarm's sensing chamber, to make it overly sensitive. Additionally, dust or dirt can block openings to the sensing chamber and keep the alarm from sensing smoke.

• Near fresh air vents or very drafty areas like air conditioners, heaters or fans, fresh air vents and drafts can drive smoke away from smoke alarms.

• Dead air spaces are often at the top of a peaked roof, or in the corners between ceilings and walls. Dead air may prevent smoke from reaching an alarm . See Figures 4 and 5 for recommended mounting locations.

• In insect-infested areas. If insects enter an alarm's sensing chamber, they may cause a nuisance alarm. Where bugs are a problem, get rid of them before putting up an alarm.

• Near fluorescent lights, electrical "noise" from fluorescent lights may cause nuisance alarms. Install smoke alarms at least 5 feet (1.5 meters)from such lights.

Two years limited warranty

RSI VIDEO TECHNOLOGIES warrants its enclosed Smoke Alarm - but not the battery - to be free from defects in materials and workmanship under normal use and service for a period of two years from date of purchase. RSI VIDEO TECHNOLOGIES makes no other express warranty for this smoke alarm. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company's obligation of this Warranty shall be limited to the repair or replacement of any part of the alarm which is found to be defective in materials or workmanship under normal use and service during the two years period commencing with the date of purchase. During the initial one-year period commencing with the date of purchase, such repair or replacement shall be made without charge. During the second year of the Warranty period, such repair or replacement shall be made at a charge to the Customer not to exceed the manufacturer's cost. Units in need of repair should be returned, shipping prepaid, to Customer Service Department, RSI VIDEO TECHNOLOGIES, 1375 Willow Lake Blvd, Suite 103, VADNAIS HEIGHTS MN 55110 USA. The Company shall not be obligated to repair or replace units, which are found to be in need of repair because of damage, unreasonable use, modifications, or alterations occurring after the date of purchase. The duration of any implied Warranty, including that of merchantability or fitness for any particular purpose, shall be limited to the period of two years commencing with the date of purchase. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the Company's negligence or fault. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. RSI VIDEO TECHNOLOGIES makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the batteries. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Security notes / (FR) Notes de sécurité / (DE) Hinweise zur Sicherheit

English

- *Remove battery before any maintenance !*
- *WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!*
- *Observe polarity when setting up the batteries!*
- *Do not throw used batteries! Bring them to your installer or a collection point.*

Français

- *Retirez la pile avant toute opération de maintenance !*
- *Attention ! Il y a un risque d'explosion si la pile utilisée est remplacée par une pile de type incorrect !*
- *Respectez la polarité lors de la mise en place de la pile !*
- *Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*

Deutsch

- *Batterie vor jeglichen Wartungsarbeiten entfernen!*
- *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!*
- *Achten Sie beim Einsetzen der Batterie auf die Polung!*
- *Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.*

Features

Panel Compatibility	W, XL, XT, XV and their variants
RF Technology	S2View®
Radio type	Spread spectrum bidirectionnal
Operating frequency	
	868MHz - ISD200 (Europe, South Africa, Asia)
Transmission security	AES encryption algorithm
Supervision	Polled signal every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tampered
Power requirements	1 3V DC Lithium battery
	Ultra 123A (Duracell) or CR123A (Panasonic)
Battery life	1 year (common usage)
Output level	85dB at 3 meters

Physical data

Operating temperature	-0° /+49° C (32°/ 120° F)
Maximum relative humidity	85%, non-condensing
Dimensions (LxlxE)	120 mm x 5.3 mm
Weight	140g (without battery)
	156g (with battery)
Protection Marking	IK07/IP30

Installation / Mounting

Detector and base	2 screws secure base to the mounting surface

Standards & Certifications

868MHz (ISD200)

CE 0333 16

0333-CPR-292200
EN14604 : 2005/AC:2008
Certification body : AFNOR Certification
11, rue Francis de Pressensé – 93571 LA PLAINE SAINT-DENIS Cedex
Compliant to annex IV from R&TTE 1999/5/CE directive

915MHz (ISD601)

FC

UL 217
USA FCC (Part 15C)
Canada IC (RSS-210 Issue 8)

920MHz (ISD702)

Australie C-Tick (AS/NZS4268)

EMEA SALES
23, avenue du Général Leclerc
92340 BOURG-LA-REINE
FRANCE
E-Mail : emeasales@rsivideotech.com

North American Headquarters
1375 Willow Lake Blvd, Suite 103
Vadnais Heights, MN 55110
USA
E-Mail : usasales@rsivideotech.com

RSI VIDEO TECHNOLOGIES SAS
25 rue Jacobi-Netter
67200 STRASBOURG
France