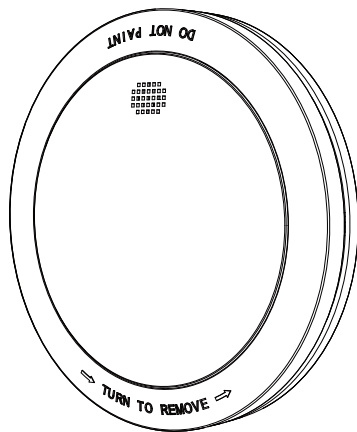




FSI-3001

DECLARATION OF CONFORMITY

Hereby, Hiermit,

Product name / Produktname: FSI-3001

Product type / Produkttyp: SMOKE DETECTOR

conforms with the following safety requirements of the directives 2014/30/EU, 2011/305/EU, 2011/65/EU, 2015/863/EU, 1907/2006/EU. Conformity is guaranteed by the CE-symbol. This product has been tested against following standards and specifications, applying versions valid in May 2021. The full text of the EU declaration of conformity is available at the retailer:

entspricht den folgenden Sicherheitsanforderungen der Richtlinien 2014/30/EU, 2011/305/EU, 2011/65/EU, 2015/863/EU, 1907/2006/EU. Die Konformität wird durch das CE-Symbol garantiert. Dieses Produkt wurde anhand der im May 2021 gültigen Versionen anhand der folgenden Normen und Spezifikationen getestet. Der vollständige Text der EU-Konformitätserklärung ist beim Einzelhändler erhältlich:

EN 50130-4:2011

EN14604:2005/AC2008

IEC 62321:2020

EN 61000-6-3:2007+A1

EN 300 328 V2.2.2:2019

EN 301 489-1 V2.2.3:2019

EN 301 489-17 V3.2.4:2020



Intended use: Fire safety / Essential characteristics: Passed

- Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions
- Operating reliability
- Tolerance on supply voltage
- Durability of operational reliability and response delay: temperature resistance
- Durability of operational reliability: Vibration resistance
- Durability of operational reliability: Humidity resistance
- Durability of operational reliability: Corrosion resistance
- Durability of operational reliability: Electrical stability

PRODUCT INTRODUCTION

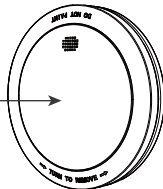
FSI-3001 Wireless Interconnected Smoke Alarm is mainly used to detect fire smoke. In the event of a fire, the alarm sensor senses the smoke generated by the fire, and sends an alarm sound and light signal to warn the scene personnel to extinguish the fire or escape.

The alarm adopts 3V low consumption lithium battery power supply with 10 years life which means you don't need to replace the batteries. You don't need to lay the line. The alarm is suitable for installation in small public places or families, such as family living rooms, living rooms, study rooms, dining rooms, storage rooms, etc. The following places should be used with caution: under normal circumstances there is water fog, more smoke places, such as outdoor, kitchen, bathroom, etc.

SPECIFICATION

Power: 3V DC Lithium battery(Sealed in)
Battery Life:10 years
Battery type: CR17450,2500mAh
Horn Level: 85 dB at 3 meters
Standby Current: 23uA max
Alarm Current: 30mA max
Operation Temperature: -10°C ~ 55°C
Ambient Humidity: 15%-95% RH(non-condensing)
Frequency:433.92MHz
Maximum Radiant Power: 10dBm
Interlinked Devices:Max 30pcs
Link Range:100m (Open Outdoor)
Product Dimensions: $\phi 125 \times 27$ H
Item Weight: 180g

Test/Silence



NOTE

- The Interconnected Smoke Alarm is designed to provide early warning of the presence of fire by emitting sound signal together.
- Smoke alarm can be assumed to cover a 10m x 10m area.
- Its 85dB sound alarm is powerful enough to wake you up in case of emergency.
- It ensures you'll gain precious minutes to escape before the fire's propagation.
- It detects smoke from wood, cotton, plastic and hydrocarbon based fires.
- However, this device is effective only when located, installed and maintained in compliance with the instructions described in this manual.
- This device does not detect gas, heat, flames or smoke from e cigarette.
- Carefully read all the instructions before installing and using the device.
- Follow scrupulously the following safety instructions and prescriptions:
 - ▶ Do not modify the device.
 - ▶ Never repair the device yourself.
- The alarm's sound is higher than 85 dB, repeated exposure to such a sound intensity may damage hearing.

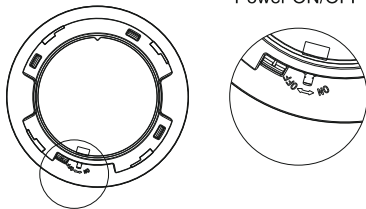
EUROPEAN STANDARD

This product indicates its conformity with the applicable European directives, and more particularly to the harmonized specifications of the EN14604:2005 + AC:2008 standard with regard to rule 305/2011 relative to construction products.

HOW TO TURN ON THE SMOKE ALARMS?

1. Turn counterclockwise to take the base out from the back of the smoke detector.
2. Switch the button from off position to on position.
3. You will see red light on and flash, then green light flash once.
4. Press the middle part on the smoke alarm and if you hear beep, that means you turned on the smoke alarm. But if you don't hear beep, check the on/off button whether it's in the correct position.

Power ON/OFF



Normal Status: The green indicator blinks once every 5 minutes.

Alarm status: The red indicator is steady on, and the buzzer makes a beep, beep, beep sound.

Pollution fault status: The yellow indicator blinks once a minute, and the buzzer beeps.

Low battery status: The yellow indicator blinks once a minute and the buzzer beeps.

Abnormal status: In the normal operating state, the red or yellow indicator is blinking. Shut down the device and restart it.

HOW TO CREATE INTERCONNECTED?

1. Turn on all the smoke alarms.
2. Take one smoke alarm as the main alarm and press the test/silence button 4 times quickly to emit signals, and the green light will flash slowly and continuously(Valid Time:60 seconds).
3. For the rest smoke alarms, press the test/silence button 2 times quickly to receive signals and the green light will flash quickly and continuously.
4. If linked successfully, the green lights of the main alarm will flash continuously about 60 seconds and the rest smoke alarms will stop flashing quickly.
5. Interconnected Failed: the green light flashes for 60 seconds, and then red light will stay on for 2 seconds.
6. Press the test button once on one of the smoke alarm to emit signal and after the other smoke alarms receive signals they will beep. (If any smoke alarms without alarming in the test, re-link again follow the steps.)

NOTE

If you want add more same model smoke alarms,take the same steps as above(up to 30 units).This smoke alarm should NOT be connected to other model smoke alarms.

HOW DO THEY ALARM?

When one interlinked smoke alarm detects smoke and trigger alarm,you will hear lasting beep and the red light stays on.(Emit signals at the same time) Other interlinked smoke alarm receive the signal,they will give lasting beep and the red light will flash. (You can identify which smoke alarms detects smoke according to the red light status.)

Disarm the smoke alarm which send alarm signal by pressing its middle part via a stick or pressing the disarming button on the remote,other smoke alarms will stop alarming.

HOW TO CLEAR THE NETWORK?

Press the test/silence button on the smoke alarm twice and the green light will flash quickly and continuously 60 seconds,then the red light stays on 2 seconds.Ignore the flashing and it will automatically disconnect pairing.

OPERATING YOUR SMOKE ALARM

Once the smoke alarm has been installed a small green indicator light (LED)will flash about every 5 minutes in normal operation. If particulate smoke is detected the unit will emit up to 85dB beeps pulsating alarm with red LED flash.

TESTING YOUR SMOKE ALARM

It is recommended that you test your smoke alarm once a week to ensure the detector is working correctly.

- Press the test button, the red LED flashes and give a "beep" prompt sound, then stops. If the alarm is not activated, contact dealer to get solution.
- Never use a flame to test the smoke detector as this may start a fire. The test button ensures accurate checking of the alarm's operation, as required by certification laboratories.

SILENCE FEATURE

This Smoke Alarm has a built-in Hush or Silence feature incorporated into the Test button. If cooking or other non-hazardous sources cause the unwanted alarm, it can be temporarily silenced by depressing the test button. The alarm will enter a dormant period for 10 minutes. The red LED will flash every 10 seconds to indicate the sensitivity is reduced. And it won't alarm in this 10 minutes.

LOW BATTERY WARNING

When the battery is at the end of its life, the smoke detector will emit a short fast 'beep'. This low voltage warning will be given for at least 30 days.

COMMON CAUSES AND AVOIDANCE OF FALSE ALARMS

The Smoke Alarm may be triggered by steam, condensation, normal smoke or fumes. Small insects getting into the smoke alarm chamber may cause intermittent alarms. When not tested, the device emits a sound signal when it detects smoke or particles in the air. This may also be the battery fault signal. The sound signal reports a potential hazard requiring immediate attention. The alarm may be activated by smoke from the kitchen or a dust cloud. In this case, ventilate the direct environment around the detector until ambient air is purified.

Keep away from the sources to avoid nuisance alarms.

LOCATING THE SMOKE ALARM

Install your Interconnected Smoke Alarm as set out in the EN 14604: 2005 + AC:2008 standard.

If your dwelling is on a single storey, for minimum protection you should fit an alarm in the hallway between the living areas (incl. Kitchens) and sleeping areas. Place it as near to the living areas as possible and ensure the alarm is audible when the bedrooms are occupied. See Figure 1 for example.

If your dwelling is multi-storey, for minimum protection one alarm should be fitted at the

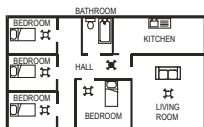
bottom of the staircase with further alarms fitted on each upstairs landing. This includes basements but excludes crawl spaces and unfinished attics. See Figure 2 for example.

NOTE: For maximum protection an alarm should be fitted in every room (except kitchen, bathroom and garage).

DO NOT FIT AN ALARM IN THE KITCHEN or BATHROOM, as cooking fumes or steam may trigger the alarm.

DO NOT FIT ALARM IN A GARAGE, as exhaust fumes are likely to set it off.

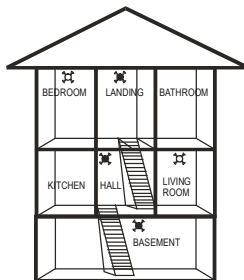
FIGURE 1 - SINGLE STOREY DWELLING



KEY

-  MAXIMUM PROTECTION
-  MINIMUM PROTECTION

FIGURE 2 - 2/3 STOREY DWELLING



AREAS TO BE AVOIDED INCLUDE THE FOLLOWING

- Situations where the temperature may fall below 0°C or rise above 40°C
- Humid areas such as bathrooms, kitchens, shower rooms where the relative humidity may exceed 90%
- Near a decorative object, door, light fitting, window molding etc., that may prevent smoke or heat from entering the alarm.
- Fume filled environments such as garages. Exhaust gases may cause false alarms.
- Adjacent to or directly above hot components such as radiators or wall vents that can

affect the direction of air currents.

- In very dusty or dirty environments such as workshops.
- Locate unit at least 1.5m away for fluorescent light fittings as electrical “noise” and/or flickering may affect the unit.
- Do not locate in insect infested areas. Insects and contamination on the alarm sensor can increase its response time.

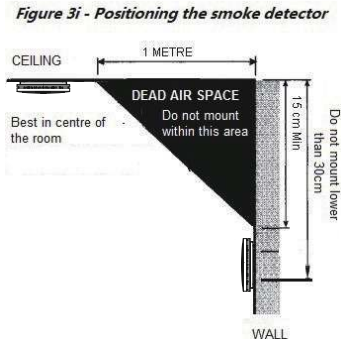
POSITIONING THE SMOKE ALARM

CEILING MOUNTING

As hot smoke rises and spread out, it is advisable to mount on a ceiling in a central position. Avoid areas where there is no air circulation. E.g. Corners of rooms and keep away from items which may prevent the free flow of air. Place the unit at least 30cm from and light fitting or decorative object which might obstruct smoke / heat entering the alarm. Keep at least 1 metre away from walls. See Figure 3i.

WALL MOUNTING

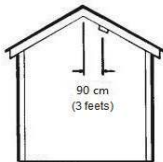
Do not mount tight into the corners. Put the top edge of your smoke alarm minimum 15cm and maximum 30cm from the ceiling. See Figure 3i



ON A SLOPING CEILING

In areas with sloping or peaked ceilings install your Smoke Alarm 90cm from the highest point measured horizontally because "dead air" at the apex may prevent smoke from reaching the unit. See Figure 3ii

Figure 3ii



INSTALLING THE SMOKE ALARM

This smoke alarm is powered by a battery and requires no additional wiring.

OPTION 1

1. Turn counterclockwise to take the base out from the back of the smoke detector.
2. Peel off the magnet pad and put it to the base.
3. Toggle the switch on the edge of bottom to turn on.
4. Press the test button once to check if the detector is correctly working, you will hear lasting beep green light on.
5. Turn the detector clockwise to fit it in place

OPTION 2

1. Having established the mounting location ensure that there is no electrical wiring or pipe work in the area adjacent to the mounting surface.
2. Turn counterclockwise to take the base out from the back of the smoke detector.
3. Draw a mark in each hole to mark the location of the drilled holes.
4. During drilling, move the detector away to prevent dust from penetrating it.
5. Insert wall plugs into the drilled holes.

6. Screw the 2 screws supplied to fasten the base.
7. Toggle the switch on the edge of bottom to turn on.
8. Press the test button once to check if the detector is correctly working, you will hear lasting beep green light on.
9. Turn the detector clockwise to fit it in place.



ACTION IN A FALSE ALARM

- If there is a false alarm, press the test button to activate the silence feature which will be last for 10 minutes
- Check whether there are some sources of smoke or fumes. You should get your family into a safe place before your investigation.
- If there are frequent nuisance/ false alarms it may be necessary to re-locate the device. If cleaning the alarm does not correct the problem, contact seller to give you a solution.

IN THE EVENT OF FIRE

- Leave the building as quickly as possible. Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Crawl along the floor, if possible, through a wet cloth or hold your breath to avoid breathing toxic fumes.
- Meet at a pre-arranged meeting place outside the dwelling and check everybody is there.
- Call the Fire Brigade from outside the building immediately. The brigade should be summoned regardless of the size of the fire and regardless of whether there is a facility for transmission of alarms to a remote manned centre.
- Do not go back inside a burning building and wait for the Fire Brigade to arrive.

MAINTAINING YOUR SMOKE ALARM

Clean your smoke alarm regularly to prevent dust build up. This can be done using a vacuum cleaner with the brush attachment. Clean gently around the front and sides. Never use water, cleaners or solvents since they may damage the smoke alarm. Do not attempt to remove the cover to clean inside.

WARNING: For FSI-3001, the battery was sealed inside the unit. No installation of battery is necessary and you don't need to take time to replace the batteries. The unit must be replaced if it emits low battery warning signal

NOTE: THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING.

WARNINGS: Installation of your smoke alarm is only one step in your safety plan. Other important steps should be taken to further improve your safety:-

- Install the smoke alarm properly, following this instruction leaflet
- Test your smoke alarm weekly
- Do not smoke in bed
- Keep matches & lighters away from children
- Store flammable materials in a proper manner and never use them near naked flames or sparks
- Maintain emergency equipment such as Fire Extinguishers, Fire Blankets etc and ensure all occupants know how to use them correctly.
- Plan an escape route/s from your building in advance and ensure all occupants are aware of them. Re-enforce this awareness periodically through-out the year.
- Make sure escape routes remain free of any obstructions.

NOTE: After reoccupation of the dwelling following a vacation etc, check all your alarms.