



User's Manual

10-YEAR OPTICAL SMOKE ALARM WITH SEALED IN 10-YEAR LITHIUM BATTERY

Model: ASD-10



KEEP THIS MANUAL IN A SAFE PLACE!

This manual contains important information for proper installation and use of your smoke alarm. Read this information carefully and retain this manual for future use.

IMPORTANT INFORMATION

If used correctly, you have additional, valuable time to escape. Each properly installed smoke alarm provides extra time savings.

- A smoke alarm will not prevent fires.
- Install the smoke alarm in a proper place, preferably in the middle of the ceiling.
- Keep the smoke alarm away from children.
- Test the unit weekly and after a period of your absence.

WARNING: Never test with fire!

- Vacuum your alarms regularly (once a month) using the soft brush attachment of the vacuum cleaner.

- If the smoke alarm beeps every 40 seconds, the battery is low (after approximately 10 years) and you have to replace the smoke alarm.
- The lifetime of smoke alarms is 10 years.
- False alarms can be stopped by pushing the test & hush button.

- You can make the ASD-10 less sensitive for 8 to 9 minutes by pushing the test button.

But when the smoke is too thick the smoke alarm will still give alarm.

- Plan **TWO** escape routes and practice them with all family members.

IN CASE OF FIRE: LEAVE THE PREMISES IMMEDIATELY WITH YOUR FAMILY AND GATHER OUTSIDE IN A PREVIOUSLY AGREED PLACE AND MAKE SURE EVERYONE IS PRESENT.

CLOSE ALL DOORS BEHIND YOU AND DO NOT OPEN A WARM DOOR, THEN CHOOSE THE ALTERNATIVE ESCAPE ROUTE.

CALL THE FIRE DEPARTMENT OUTSIDE OR AT THE NEIGHBOURS.

NEVER TURN BACK INTO A BURNING HOUSE.

- if smoke is thick crawl outwards as close to the ground as possible. Breathe through a wet cloth and otherwise hold your breath as much as possible.

Most deaths and injuries occur due to smoke inhalation and not by fire.

SPECIFICATIONS

Power source: 3 VDC Lithium AA size Battery
 Battery lifetime: 10 years under normal conditions
 Consumption: < 10 μ A normal
 < 60 mA in alarm

Operating temperature: 0°C to +55°C
 Humidity: \pm 3 of 93% RH at 40°C
 Sensitivity: Complies with EN14604
 Alarm level: >85dB at 3 meters
 Certifications: ANPI EN14604, CE-09

WHERE TO LOCATE YOUR SMOKE ALARM

Recommended installation locations:

Minimum protection:

- A smoke alarm on each Floor.
- Every 7,5 m in corridors and escape routes.
- Within 3 meters of sleeping- and living rooms.

Maximum protection:

- Smoke alarms in all rooms (except bathrooms, kitchens, garages etc.)
- Heat alarms can be installed in bathrooms, kitchens, laundry rooms or boiler rooms and garages; within 5 meters of a potential fire.

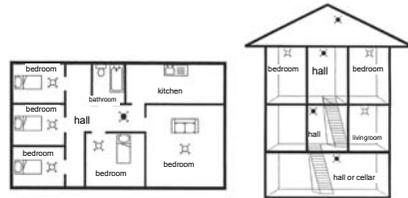


figure 1

figure 2

- Place the smoke alarm preferably in the middle from the ceiling. At least 50 cm of the wall.
- For pitched roofs place the smoke alarm on the slope, at least 90 cm away from the ridge of the roof.
- See chapter MINIMUM AND MAXIMUM PROTECTION.
- Make sure the smoke alarm is always accessible for testing and cleaning (Figure 1 & 2).

Never install a smoke alarm:

- In bathrooms and shower rooms (high humidity areas), kitchens, garages etc., areas where combustion particles from cooking or car exhaust and dust and moisture could trigger a nuisance alarm. Install a smoke alarm at least 5 meters away from such smoke sources.
- In very dusty or dirty areas and in areas where the temperature exceeds 50°C or below 0° C.
- Close to (next) decorative objects, doors, electrical or light fittings, lamps, sockets, windows, wall ventilators etc. which might impede the path of smoke to the smoke alarm. At least 50cm away.
- Next to or directly above heaters.
- On very high or difficult to access places which would make routine testing and cleaning hazardous.
- Within 1 meter from dimmers and wiring. Some dimmers can cause interfering in the smoke alarm.
- Within 1,5 meter from fluorescent tubes.
- In insect infested areas. Tiny insects may affect proper functioning of the smoke alarm.

Important information is located on the bottom of the smoke alarm.

IMPORTANT: During renovation or repair works you need to remove the smoke alarm from the ceiling. After this work always test the smoke alarm by pressing the test button.

HOW TO START

1. Choose a location that meets the requirements below:

Recommended installation locations

2. Remove the bottom plate from the smoke alarm, (see figure 3) by turning the bottom plate anti- clockwise.

3. Mark the position of the mounting holes in the bottom plate. Drill the holes using a 6mm drill and insert the anchor plugs and screw the base plate to the ceiling.

If using no anchor plugs use a 3mm drill.

4. Place the smoke alarm on the base plate and turn it around until the smoke alarm slides into the bottom plate.

The smoke alarm has now been installed to the bottom plate but not fixed (can drop down if not hold with hand). Now twist it clockwise (to the right) from the OFF to the ON line to activate the smoke alarm (See Figure 4) and is properly installed.

LED Light



Test/Hush button

Figure 4

5. Now press and release the test button to test the smoke alarm for proper functioning. The alarm will give shortly an intermittent beep sound and the red LED light flashes approximately every 10 seconds, meaning the smoke alarm has been properly installed. The smoke alarm will now automatically remain for 8 to 9 minutes in the HUSH mode.

FUNCTION AND MEANING OF LIGHT AND SOUND SIGNALS

Normal condition:

The red LED light will flash \pm once every 5 minutes.

Alarm:

If smoke is detected the smoke alarm gives a loud and continuous alarm and the red LED light will flash continuously till the smoke has disappeared.

Battery empty:

One beep signal every 40 seconds means the battery is almost empty. This signal will sound for 30 days. With proper maintenance the battery and the smoke alarm have functioned more than 10 years, meaning the smoke alarm has to be replaced. The lifetime of a smoke alarm is 10 year.

You have to remove the smoke alarm and the bottom plate from the ceiling to install a new smoke alarm.

Test and Hush mode:

Push the test button (see figure 4) \pm 3 seconds. The smoke alarm will give shortly an intermittent beep sound. The red LED light will now flash \pm every 10 second during 8 to 9 minutes. This means the smoke alarm is functioning properly and the smoke alarm will stay for 8 to 9 minutes in the HUSH mode.

Nuisance alarm:

Push the test button to silence the alarm. (See test and Hush mode.)

Maintenance:

- Vacuum your smoke alarms regularly (once a month) using the soft brush attachment of the vacuum cleaner.
- The smoke alarm should never come into contact with liquids.
- Repairs must be performed by the manufacturer.

ATTENTION: Do not paint your smoke alarm.

Causes of Nuisance Alarm:

A smoke alarm can be activated in high humidity areas, kitchens, garages etc. Areas where combustion particles from cooking or car exhaust and dust and moisture could trigger a nuisance alarm

Install a smoke alarm at least 5 meters away from such smoke sources. See chapter: **Never install a smoke alarm.** Regularly nuisance alarm can be avoided by locating your smoke alarm at a different place.

DISPOSAL

This product must be collected separately at the end of the product life according to European directives (WEEE-2005). Contact your local authority for information about collecting points in your area.

LIMITATIONS OF SMOKE ALARMS

Arton Smoke Alarms are designed to provide the earliest possible warning of fire and smoke. Early warning can mean the difference between safe escape or no escape at all. Smoke alarms however have limitation. For example:

- The battery does not work properly. Therefore test the smoke alarm regularly.
- If smoke cannot reach the smoke chamber of the smoke alarm it will be unable to sound alarm. Anything preventing smoke from reaching the smoke alarm such as closed doors, fire on a storey where no smoke alarm has been installed may delay or prevent alarm. A smoke alarm cannot detect fires in walls or chimneys or roofs. For these reasons smoke alarms should be installed in every room or at least on every level of your home.
- If one does not hear the alarm.
- A person could not be possibly awakened by the alarm at an excessive use of alcohol and/or drugs.
- A smoke alarm may not provide detection with, for example, smoking in bed if there is no smoke alarm installed in the same room, or violent explosions resulting from escaping gas. Children playing with matches/fire, electrical interferences, storage of explosives and flammable substances such as gasoline, paint, alcohol, acids etc.
- The lifetime of a smoke alarm is 10 years.

GUARANTEE

The manufacturer guarantees its enclosed smoke alarm to be free from defects in materials and workmanship under normal use and service for a period of 10 years from the date of purchase.

The manufacturer's obligation of this guarantee shall be limited to the repair or replacement of any part of the smoke alarm which is found to be defective in material or workmanship under normal use and service during the ten year period. The company shall not be obligated to repair or replace smoke alarms which are found to be in need of repair because of damage, unreasonable use, modifications or alterations occurring after the date of purchase.

PLEASE KEEP THIS MANUAL IN A SAFE PLACE.

Manufactured in Europe

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