

Jalo Helsinki – Kupu 10 & Lento 10 Q&A

1. What is the operating principle of Kupu 10 and Lento 10 smoke alarms?
2. Can the Kupu 10 and Lento 10 smoke alarms be silenced in case of false alarm?
3. What happens when the battery will become empty? Will the product give a warning of this?
4. How do Kupu 10 and Lento 10 differ from other smoke alarms?
5. Why does Jalo introduce a 10 -year technology to the market?
6. Why is 10 years recommended replacement cycle for smoke detectors?
7. Are current products going to stay in the range?
8. Does the current mounting plate fit to new products?
9. What does the end of life indicator mean?
10. How long does the end of life indicator "beep"?
11. What does automatic self-testing mean?
12. Is "Kupu 10 White" really white?
13. How many smoke detectors should one have at home?
14. Does one have to clean Kupu 10 and Lento 10?
15. What is the material of the Kupu 10 front cover?
16. Can the Kupu 10 and Lento 10 transported through express services?
17. Can the Kupu 10 and Lento 10 alarms be placed on a wall instead of a ceiling?
18. Does Jalo Helsinki have a 240v version of the smoke alarms?
19. Are Kupu 10 and Lento 10 interconnected?
20. What is an "Alarm Memory Test"?

1. Jalo Helsinki Kupu 10 and Lento 10 smoke alarms utilize photoelectric detection technology to sense smoke from different types of fires. Unit's photoelectric (optical) detection method works by sensing infrared rays scattered by visible smoke particles. The smoke alarm is equipped with a self diagnostic and checking feature to ensure correct operation through its service life of 10 years.
2. In case of false alarm, the device can be temporarily silenced **for 8 minutes** by pressing the whole surface test button.
3. When the battery reaches the end of life condition, device will give audible and visual "low battery warning" to the user (beeps shortly every 40s, and LED light flickers every 6 minutes). The low battery warning can be temporarily silenced for 8 hours by pressing the whole surface test button. When the alarm gives a low battery warning, it needs to be replaced asap.
4. Jalo Helsinki Kupu 10 and Lento 10 smoke alarms are a combination of highly reliable, proofed technology and the outlooks by some of the most renown Scandinavian Designers. **As products are specifically designed for domestic/ household use, they have unique features that make it easy for a non-professional to install and operate them. Installation can be conducted simply and fast with the two-sided 3M tape – without any tools.**

Alternatively installation with screws is possible. Secondly, the whole surface of the smoke alarm functions as a test button, which makes the recommended monthly operational check of the smoke alarm very easy. Test person can do it from the floor with e.g. a broomstick or similar. More people get injured while testing the smoke alarms when falling from the ladder or chair than in actual fires, so this feature is a real consumer benefit.

Also different is the level of manufacturing quality assurance related to the products: On the contrary to sample testing done for most of the mass production smoke alarms, every single Jalo Helsinki smoke alarm is tested and verified in the real smoke during production process.

5. Ten year smoke alarms with a non-replaceable battery are the safest and most reasonable option of different power technologies available for smoke alarms. Most of the **safety officials** are recommending the maximum life time for a smoke alarm to be 7-10 years due to the degradation of the optical/ionization sensors over time. Also, the often feared trouble of someone stealing the (replaceable) batteries for another device, is not possible due to the fixed, non-replaceable battery. **This has been the case in some countries in rental apartments.**
6. For smoke alarms, it is generally recommended to replace them after 7-10 years, as over time, the sensors start to lose their sensitivity (due to contamination and degradation of components). Also, as for any other electronics devices, the risk of electrical component failure increases over time, and thus the recommendation for a safety device is to replace them within 7-10 years.
7. Our strategy is to upgrade our smoke detector range to only include Kupu 10 and Lento 10 products. If a customer and/ or market situation requires the selling of Kupu and Lento Original (replaceable batteries), we can consider it. However keeping both of the range available at the same time is not our plan.
8. No, the mounting plate of Kupu Original and Lento (replaceable batteries) does not fit to Kupu 10 and Lento 10. There is a small risk that this could be done by force and the Kupu 10/ Lento 10 product could become operational with the "old" mounting plate, however removing the smoke detector would not be possible anymore without breaking the product.
IT IS OF UTMOST IMPORTANCE NOT TO INSTALL KUPU 10 AND LENTO 10 ON TO THE OLD P PRODUCTS' MOUNTING PLATE
9. When the product starts to beep for "battery getting empty" (beeps shortly every 40s, and LED light flickers every 6 minutes), it is also an indication of product end-of-life as the battery is non-replaceable.
10. The low battery warning continues to be given at least for 30 days – in practice as long as there is sufficient power left in the battery.
11. Automatic self-testing means that the product is programmed to go through internal self-checking of the smoke sensor capability to detect smoke. In case the internal check fails, the product gives a fault signal (beeps 3 times every 40s with no red LED light flashing). In such a case, the actions to be taken by the owner of the device are: 1. Vacuum the product

as instructed in the user manual (fault may be due to dust/insect in the smoke chamber). 2. If vacuuming does not help, contact the distributor. In practice, only actions that can be taken in such a case are a “more thorough vacuuming of the device”, and if that does not help, replacing of the product.

12. Kupu 10 white is really white.
13. This depends on the size of our house. We recommend to install one smoke detector in each bed room, one in each aisle, kitchen and next to any TV set. If the house/ flat has several floors, each floor should have a minimum of one smoke detector. Please check also the local regulations for minimum amount of smoke alarms to be installed.
14. For one's own safety smoke detectors should be tested for operation once a month by pressing the test button and they should be removed from the ceiling and vacuum cleaned once a year. Household dust can get inside the smoke alarm and block the smoke chamber or even cause false alarm. Regular, annual vacuum cleaning prevents this from happening.
15. Kupu 10 front cover is made of ABS plastic, and it is covered either by a fabric, or a chromium plating, depending on the variant. The fabric material itself is a mixture of polyester and spandex.
16. Kupu 10 and Lento 10 smoke alarms are containing a Lithium-metal battery of a type CR17450. Typically if you are sending/carrying only one or two smoke alarms where the battery is installed, these can be shipped without any further notice. However, if there is more products than two – please check the Lithium metal battery transportation requirements from your forwarder. The MSDS of the battery can be received from Jalo Helsinki in case needed.
17. Jalo Helsinki smoke alarms are tested and certified to be located at the ceiling. Ceiling is the most natural place for the smoke to enter first, and thus we recommend the placing of all smoke alarms on the ceiling instead of wall placement. For sloping ceiling, the alarm should be located some 50 cm from the highest position of the ceiling and in a position where smoke naturally enters if it appears.
18. No, current Jalo Helsinki smoke alarm models are all battery operated.
19. No, Kupu 10 and Lento 10 smoke detectors are not interconnected. Our target audience prefers convenience and ease of use and installation, which we have implemented in the key features of tape installation and whole surface being a test button. Consequently, we have opted not to have interconnectivity, which requires more set up during the installation. EN 14604 standard requires 85 dB sound at 3 meters distance from the device and practically, this means that the alarm is so loud that it is heard throughout the house if one alarm goes off.
20. When you have been away from home and return, you can check whether the alarm mode has been on during your absence by pressing the surface of the smoke alarm: If the alarm beeps intensively, this means that smoke was detected during your absence. After beeping

4 times intensively, the smoke alarm returns back to normal operation mode. In case the alarm mode has not been on during your absence, the smoke alarm gives an alarm tone such as in normal test.