

«Falling asleep reassured.»

Genius H and Hx – the intuitive smoke detectors

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«Genius H and Hx – simply brilliant.»

Annually 70% of the lamentable victims of fire die at night. The cause: when we sleep we do not smell anything. When a fire breaks out, the deadly smoke spreads quickly throughout the entire house or flat and goes unnoticed. Smoke detectors such as the Genius H and Hx give early warning and offer maximum protection.

The most frequent causes of fire are technical defects of electrical devices and children playing with fire. Statistically, an old building burns as often as a new one. The danger comes primarily from the highly inflammable in-

terior furnishings. Particularly hazardous are children's bedrooms, where many of the objects are wooden and plastic toys. Most victims do not die from fire itself but rather from the poisonous smoke fumes which are produced in the first two to three minutes of a fire. This insidious smoke spreads rapidly throughout the entire living area and blocks vital escape routes such as corridors and stairwells. In the event of a fire, evacuation must take place on average within four minutes. Smoke detectors alarm you early. And at night, especially, they furnish the very important head start in minutes needed to save human lives.

The Genius H/Hx – an environmentally friendly all-rounder:

- [No false alarms](#)
- [Ten-year device guarantee](#)
- [No night-time fault alerts](#)
- [VdS device approved](#)

«Genius Hx – the next generation smoke detector.»

Do you live or sleep above the first storey? Do you finally want to monitor your kitchen – the no. 1 fire location – with a smoke detector? Then the Genius Hx is right for you! Besides its features, the Genius H offers numerous additional advantages, such as the many ways it can be used.

Universal use

The range of Genius Hx applications extends beyond the usual areas of use – it can even be of service in difficult environments: kitchens, passageways, stairwells, frost-free cellars and attics, other living areas in homes and apartment buildings. The Genius Hx also provides securi-

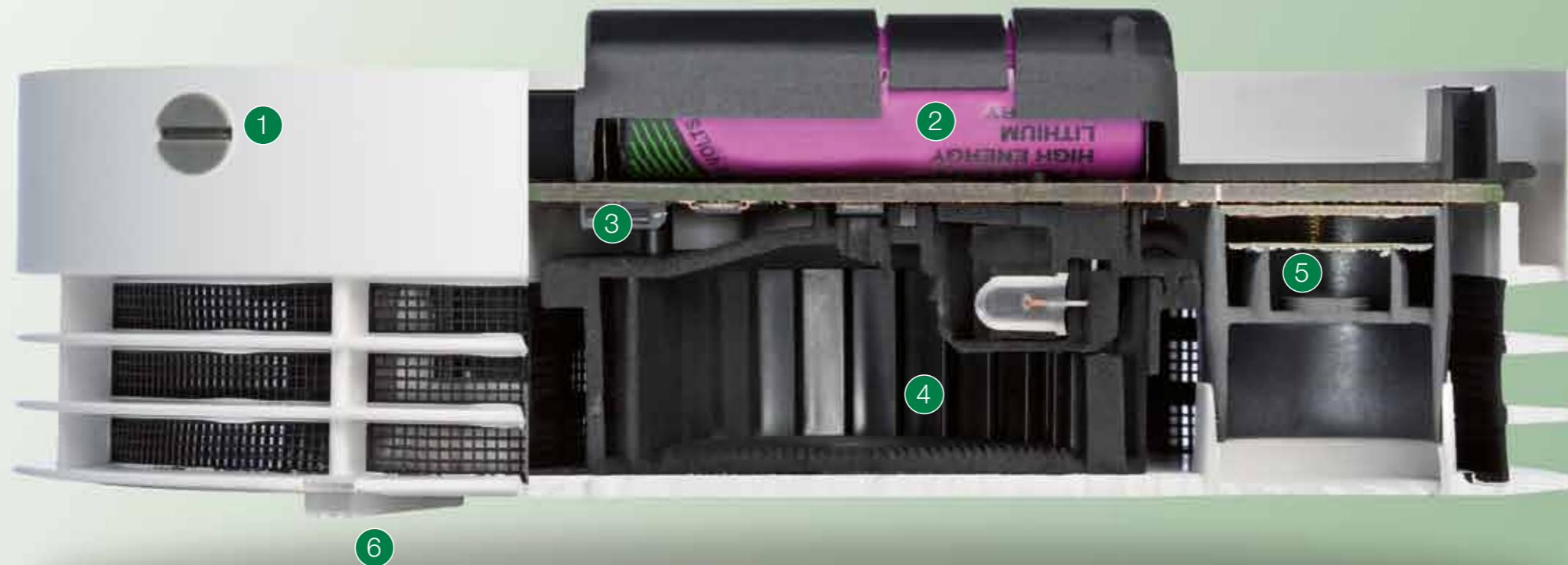
ty in public facilities such as schools, kindergartens, residential homes and hotels, day-care centres, community centres as well as in commercial settings, including apothecary shops, doctors' surgeries, offices, hotels and guesthouses.

Radio network

Genius Hx can be optionally radio networked. The Basic and Pro radio modules are able to send an alarm signal in the event of a fire over long distances. Special highlight: the additional battery gives the Genius Hx with a radio module a typical battery life of ten years.

The Genius Hx – use anywhere:

- [Children's rooms](#)
- [Living rooms](#)
- [Bedrooms](#)
- [Staircases](#)
- [Cellars and attics](#)



«Genius H/Hx – the intelligent fire sentry that never sleeps.»

The Genius H/Hx never sleeps. Throughout the day and all night long it keeps watch over you. It is reliable and considerate as no other. Its unique detector intelligence makes the Genius H/Hx the safest smoke detector in its field.

Thanks to alarm threshold tracking, the current level of Genius H/Hx soiling is intelligently checked and the response threshold constantly adjusted. The Genius H/Hx always «knows» whether and to what extent soiling should be considered a disturbance factor. The Genius H/Hx monitors itself continuously.

The full functionality of the detector is indicated by means of a short flashing optical signal at regular intervals. Pressing the test button checks the detector and lets you know its current status. The soiling prognosis reports, for example, if alarm threshold tracking can no longer be guaranteed for the coming one and a half years.

In an emergency the Genius H/Hx initiates a combined audible and optical signal. A unique innovation is the signal tone: different high and low frequencies ensure that the human ear hears the tone.

State-of-the-art smoke detector technology and an optimally designed housing enable the Genius H/Hx to adapt to the ambient temperature and react intuitively to its surroundings. False alarms which may be due to fluctuations in the ambient temperature as well as operation errors are a thing of the past with the Genius H/Hx.

With the Genius H/Hx's unique detector intelligence we have successfully eliminated smoke detector unreliability. We guarantee that when your Genius H/Hx is properly installed it is absolutely false-alarm-proof. Further, the real-time clock ensures that you are not disturbed at night unless there is a genuine threat.

The Genius H/Hx – interference-free and dirt resistant:

Protects against penetration of dust, dirt, insects (frequent cause of false alarms)

Resistant to interference from electromagnetic sources of interference (transformers, mobile phones, radio devices etc.)

No unexpected subsequent costs due to replacement and disposal of batteries

Soiling prognosis

Under the hood of the Genius H/Hx:

1 Sabotage and theft protection (seal)

2 Long-life battery designed to last ten years

3 Integrated real-time clock

4 Detection of open and smoldering fires

5 Combined audible (85 dB) and optical signalling

6 Operating state indicator is dimmed at night



«Mounting and operation of the Genius H/Hx – amazingly easy.»

Professional standards are reflected not only in functions but also in use – the Genius H/Hx is surprisingly easy to use. The steps for mounting, commissioning and maintenance are minimal and optimised. Operating errors are ruled out.

Ready for immediate use

The Genius H/Hx is immediately ready for operation when it is screwed into the base. As soon as the detector engages, an automatic self-test is carried out that checks the horn, electronics, battery capacity and level of soiling to ensure full functionality.

Flexible mounting

The Genius H/Hx can be installed with a minimum of effort. According to DIN 14676, the detector may be mounted on the ceiling only. Securiton recommends one-hole or two-hole mounting; the drill holes on the base are compatible with all previous models. Optionally, mounting with an adhesive is also possible.

Sabotage and theft protection

An optionally available seal prevents unauthorised removal of the smoke detector and makes any attempt recognisable.

Permanently built-in battery

The battery is permanently built into the detector and cannot be removed. Detectors cannot be manipulated.

Easy operation

Any function can be easily accessed by pressing the test button. Operating errors are ruled out. Further, the illuminated test button makes operation easy in the dark.

Active service prognosis

The function test can be started by pressing a button. The soiling level of the detector is then measured automatically and also determines whether the Genius H is guaranteed for operation in the coming year and a half.

More advantages of the Genius H/Hx:

Night-time disturbances which do not effect operation are signalled in the morning

The operation indicator light is automatically dimmed at night

High-quality, long-life detector components (circuit boards, housing etc.)

When the detector is removed from the base, it automatically switches off to conserve battery capacity

Alarm memory