



## Detecting fires in record time – using combined methods.

SecuriStar fire detectors – the new generation



Securiton AG, Alarm and Security Systems  
[www.securiton.com](http://www.securiton.com), [info@securiton.com](mailto:info@securiton.com)

Securiton d.o.o., Serbia  
[www.securiton.rs](http://www.securiton.rs), [info@securiton.rs](mailto:info@securiton.rs)

Securiton Kft., Hungary  
[www.securiton.hu](http://www.securiton.hu), [info@securiton.hu](mailto:info@securiton.hu)

Securiton (M) Sdn Bhd. Malaysia  
[www.securiton.com](http://www.securiton.com), [asia@securiton.com.my](mailto:asia@securiton.com.my)

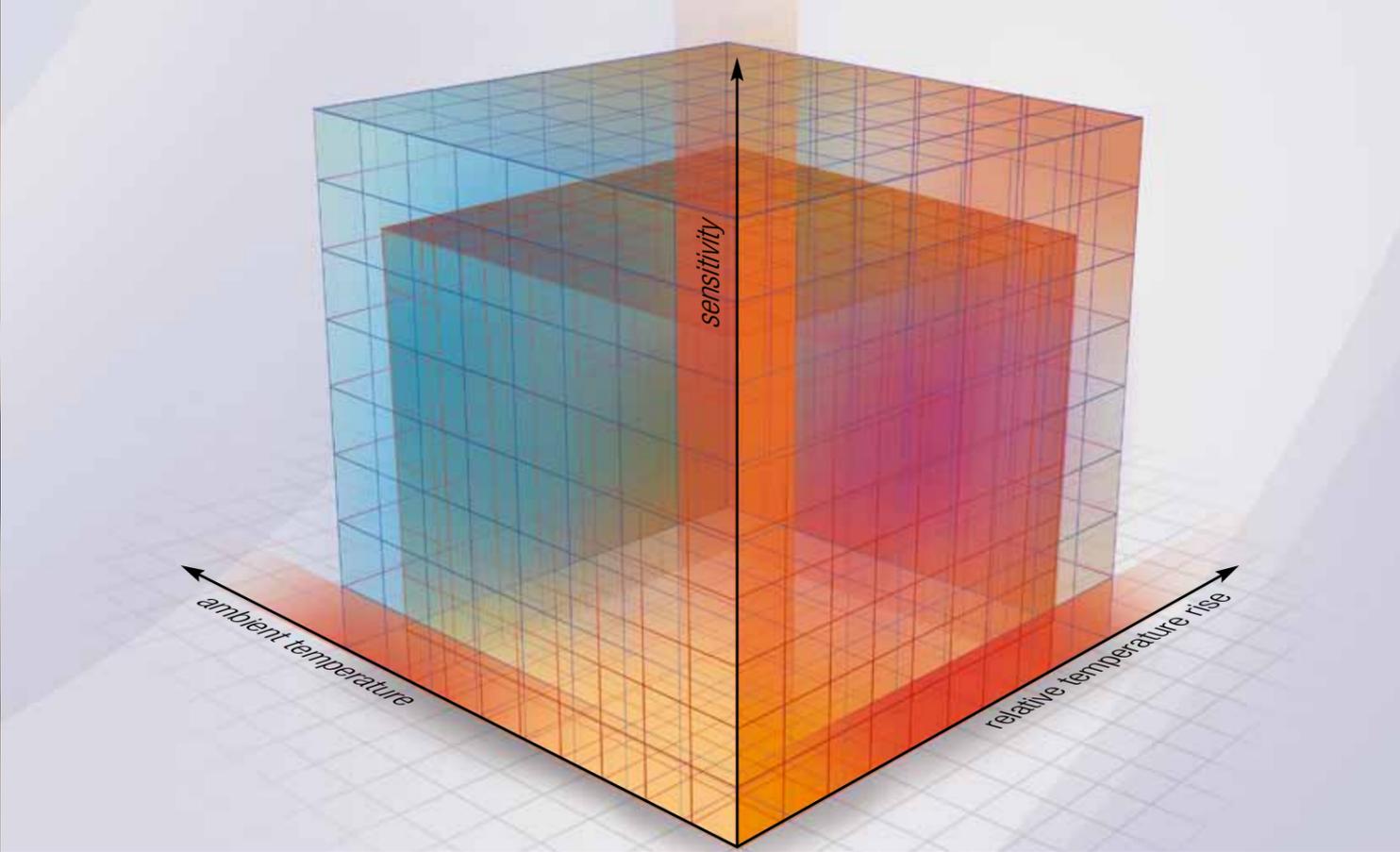
Securiton RUS, Russia  
[www.securiton.ru](http://www.securiton.ru), [info@securiton.ru](mailto:info@securiton.ru)

A company of the Swiss Securitas Group

 **SECURITON**  
For your safety

816124 09.12

 **SECURITON**  
For your safety



## Reliability and precision.

### Smoke and temperature detection at its most ingenious.

The latest generation of SecuriStar fire detectors registers and signals incipient fires with previously unparalleled reliability and precision. Smoke detection is now combined with a precise evaluation of the room temperature – and even with carbon monoxide (CO) measurement data. The devices automatically adapt their sensitivity levels to ambient conditions using the unique method of Cubus levelling. The future of fire detection has begun - and the new SecuriStar product range is leading the way.

Wherever and whenever you are planning to protect human life, valuables and assets, SecuriStar fire detectors put in a sterling performance. While the work and costs involved in the installation and operation are reduced to a minimum, these intelligent sentries deliver maximum performance. Maximum detection and false-alarm reliability, forward and reverse compatibility and a multitude of additional features ensure that your protection assignment is completed even more impressively.

### Cubus levelling – adapting automatically to ambient conditions.

The new SecuriStar fire detectors adapt precisely to any specific hazard situation. The combined sensors for smoke, heat and CO detect fires even before they break out. Within a split second the detectors send an alarm signal. Improved smoke and temperature symmetry, linked sensors, optimised smoke penetration responses and renewed alarm filters make for maximum fire detection precision. The new generation of detectors is also setting new standards in terms of user convenience and cost efficiency.

The parameters of SecuriStar fire detectors need to be set only once. The detector then adapts continuously and fully automatically to its environment. With the Cubus levelling developed by Securiton the new fire detector constantly measures ambient parameters such as temperature and carbon monoxide concentration levels. It then uses these values to precisely determine the optimum sensitivity for its location and adjust its alarm threshold accordingly.

#### Benefits of SecuriStar fire detectors:

- Combined detection methods
- Cubus levelling for adapting to ambient conditions
- Continuous self-monitoring and dirt level evaluation
- Easy maintenance
- Extensive programming functions
- Easy mounting and integration in fire detector systems
- Elegant design
- Integrated short-circuit insulators



## Detection and alarm transmission.

### SecuriStar MCD 573X – the high-performance combined detector.

Smouldering or incipient fires have no chance: the SecuriStar MCD 573X (Multi Criteria Detector) detects them quickly and without fail. The intelligent detector is fitted with two sensory organs: a smoke detector and a heat sensor, which means the MCD 573X is also able to detect fires with no smoke development. This can even prove to be a life saver, especially in the case of fires that spread rapidly at high temperatures.

The smoke and heat alarms are signalled and parameterised separately. The high levels of detection reliability are further boosted by the variable alarm thresholds for smoke and heat and by overtemperature detection. With its sophisticated Cubus levelling the detector automatically adapts to ambient conditions. As a fire detector with selective identification the MCD 573X is equipped with an integrated connection for the multifunctional SecuriLine eXtended addressable loop – this means that the location of a fire is displayed with the utmost precision at the alarm centre.

#### The new generation – more performance, fewer false alarms:

- Complies with standards EN 54-5 and EN 54-7
- Linked sensors
- Temperature-aided smoke evaluation
- Improved smoke and temperature symmetries
- Optimum inflow response
- Newly developed alarm filters
- Forward-reverse compatibility

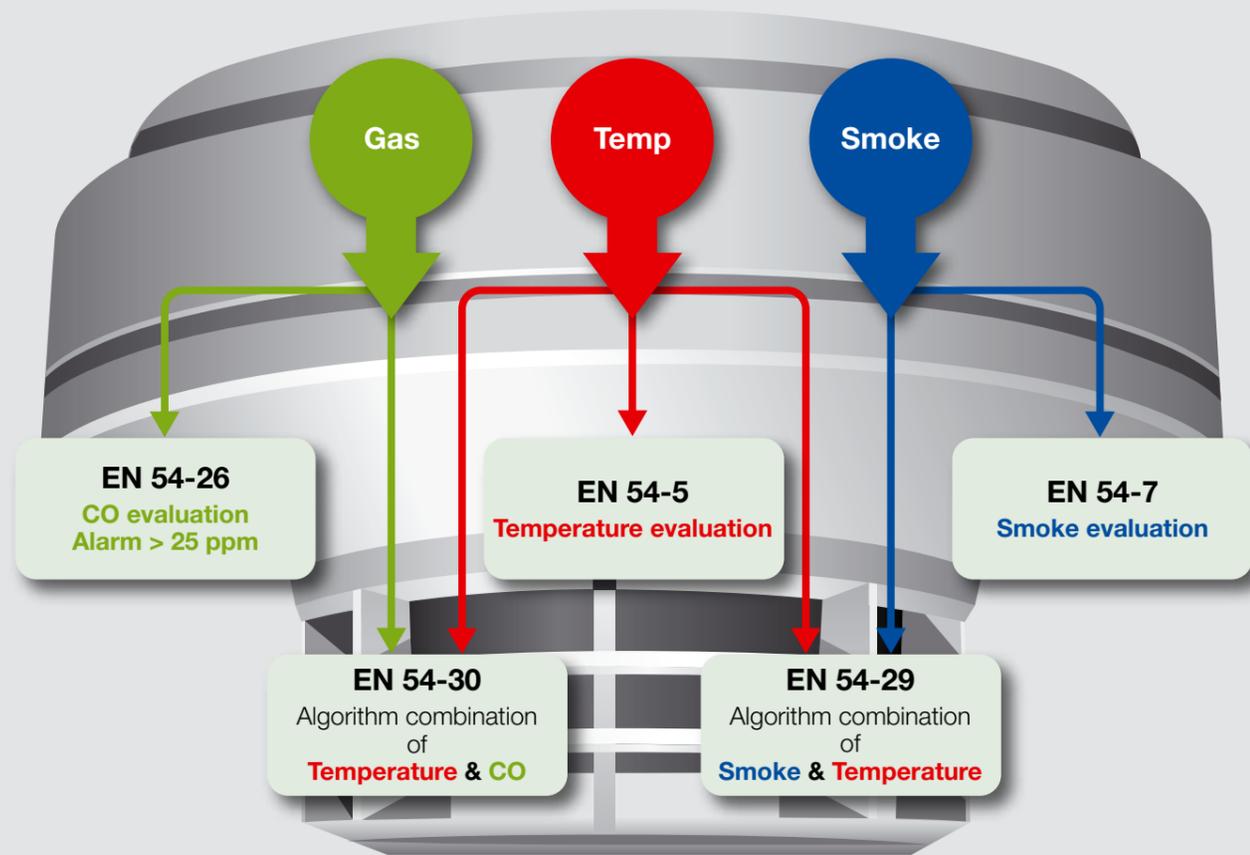
### SecuriStar MCD 573X-S – with audible alarm transmission.

As a combined fire detector the SecuriStar MCD 573X-S (Multi Criteria Detector with integrated Sounder) boasts the same intelligent detection and levelling characteristics as the SecuriStar MCD 573X. In addition it is also equipped with integrated audible alarm transmission: with four different warning tones at three volume levels it will wake even the deepest sleeper to alert them to the imminent danger. In an emergency this helps save precious seconds.

Detection and alarm transmission cleverly connected in a single spot: thanks to the integration of the audible alarm transmission conventional separate audible signal transmitters can be dispensed with in many applications. The alarm transmission is always made in the right location and additional equipment is not required.

#### SecuriStar MCD 573X-S – decibels for swift responses:

- Combined smoke and heat detection
- Integrated audible alarm up to 92 dB
- Automatically synchronised alarm transmitters
- Uninterrupted audible alarm transmission
- Complies with standards EN 54-3, EN 54-5, EN 54-7 and EN 54-29



## Protection against false alarms.

### SecuriStar CCD 573X – the combined detector with additional CO detection.

The CCD 573X (Carbon Monoxide Multi Criteria Detector) monitors not just the temperature and smoke development in a room but also the carbon monoxide (CO) concentration. This additional sensor technology helps protect people reliably from the dangers of asphyxiation. Indeed, CO is odourless, which means it goes unnoticed, especially when people are asleep. The instant the detector determines an increased CO concentration, it sends a technical CO pre-alarm. The benefits are immeasurable, particularly in hotels. Managers are able to respond quickly and with pin-point accuracy, without having to sound the alarm throughout the entire building.

While the CCD 573X signals smokeless fires in an instant, it is not deceived by harmless emissions. It identifies dust and steam as harmless substances that do not need to be signalled. Besides temperature the detector's Cubus levelling also includes the CO concentration in the room in question. This means the CCD 573X automatically adjusts its sensitivity to the optimum levels. Virtually no other product has a service life of eight years.

#### SecuriStar CCD 573X – tracking down dangerous carbon monoxide:

- Linked sensors
- Temperature and CO-aided smoke evaluation
- Technical CO alarm
- Adjustable technical CO pre-signal
- Service life of eight years
- Complies with standards EN 54-5, EN 54-7, EN 54-26, EN 54-29 and EN 54-30

### Well thought-out functions for an uncomplicated operation.

The new SecuriStar detectors permanently monitor themselves. Even minor soiling cannot affect their functional reliability. If a detector detects soiling, it automatically adjusts its alarm threshold. There is no need for extensive calibration work. Operators of a fire alarm system are able to achieve enhanced protection against false alarms by switching individual detection criteria on the detectors between night and day operation. The detector is able to handle a short-circuit in the SecuriLine eXtended addressable loop on its own. If required, it simply switches the direction when communicating with the control panel.

The SecuriStar MCD 573X is fully forward and reverse compatible while the MCD 573X-S and CCD 573X can be operated without problem with the current SecuriFire fire alarm system and future generations. So your investment is safeguarded with all three detectors. A lastingly successful deployment of the new generation of detectors is also guaranteed by the fact that they comply with all the relevant standards.

#### SecuriStar fire detectors – dependable and powerful:

- Forward-reverse compatibility
- Dependable operation assured by continual self-monitoring
- Integrated short-circuit insulator guarantees operational reliability even in the event of a malfunction
- Immunity to electromagnetic interference
- Automatic detection of detector addresses
- Easy to mount thanks to a uniform detector base and the cable-saving SecuriLine eXtended addressable loop