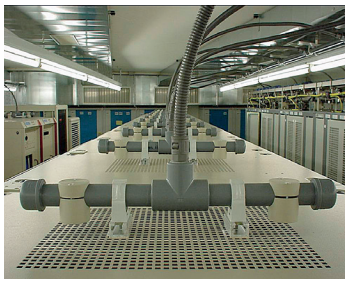
SECURITON



Ultra-fast fire detection in data centres.

SecuriRAS ASD 535 aspirating smoke detector

Every second counts
Every second counts when it comes to detecting fires in data centres. Most fires are caused by electrical energy and begin with a slow smouldering phase. In many cases early detection thanks to SecuriRAS ASD 535 combined with other measures triggered simultaneously (initiating a backup, switching over computers, de-energising specific equipment) can neutralise the primary cause of the damage. This avoids having to activate a fire extinguishing system, use an oxygen reduction system or summon the fire services.

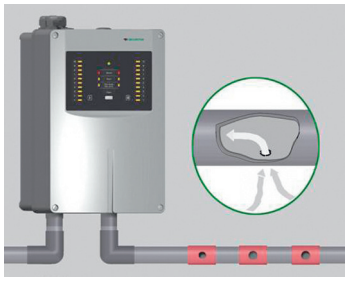
Highly sensitive HD smoke sensor
The specially developed high-dynamic smoke sensor is the result of comprehensive research work. A high-power LED combined with an LVSC (Large Volume Smoke Chamber) sampling chamber offers unparalleled sensitivity with minimum aero-dynamic resistance and absolute resistance to pollution and soiling.

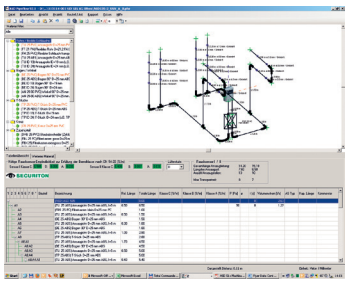
The days of the laser are over
Lasers were long considered as synonymous with high sensitivity. Today there is no doubt that the technology of a high-power LED offers significant advantages. The useful temperature range is greater and the service life longer than with a laser diode. With the large measurement volume several particles are measured simultaneously, further raising sensitivity levels compared with lasers.

Data logging
With the Autolearning function the device's sensitivity adapts automatically to the conditions on site. In particularly difficult ambient conditions, being able to record and display all the ambient data during a trial phase lasting several months can be of the utmost importance. And with a Memory Card module and commercially available SD storage cards the values for impaired visibility and airflow can also be recorded on the aspirating smoke detector for up to one year without a PC. Afterwards the data can be analysed offline.

SecuriRAS ASD 535 in data centres:

- 4 alarm levels adjustable from 0.002%/m to 10%/m
- Complies with EN 54-20 Class A, B and C with up to 240 sampling holes and 600 m sampling tube length
- Choice of 1 or 2 highly sensitive and individually configurable HD smoke sensors
- High-performance ventilator for large surfaces and long sampling pipe lengths
- ASD PipeFlow sampling tube computing program with VdS approval
- Bidirectional and intelligent integration in SecuriFire fire detection system
- Fast SecuriRAS networking for remote configuration and long-term data recording



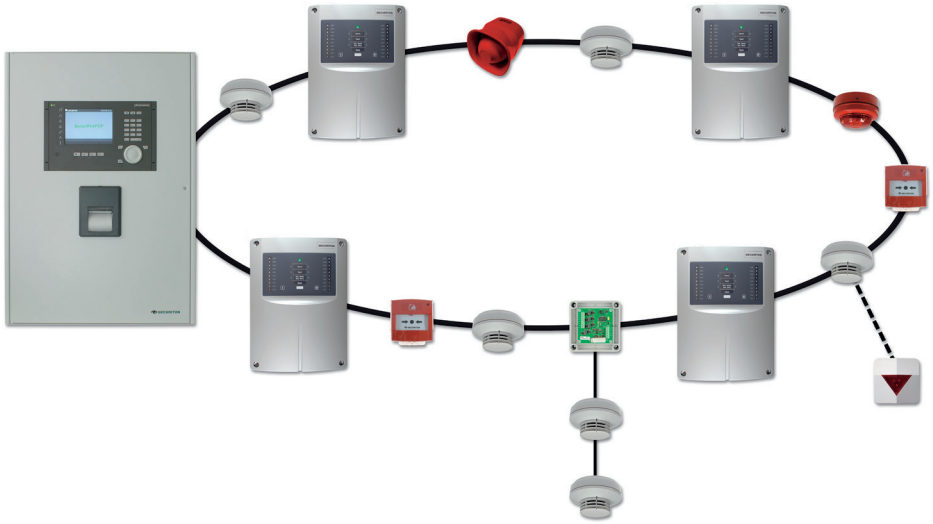


Intelligent bidirectional integration in fire detection systems

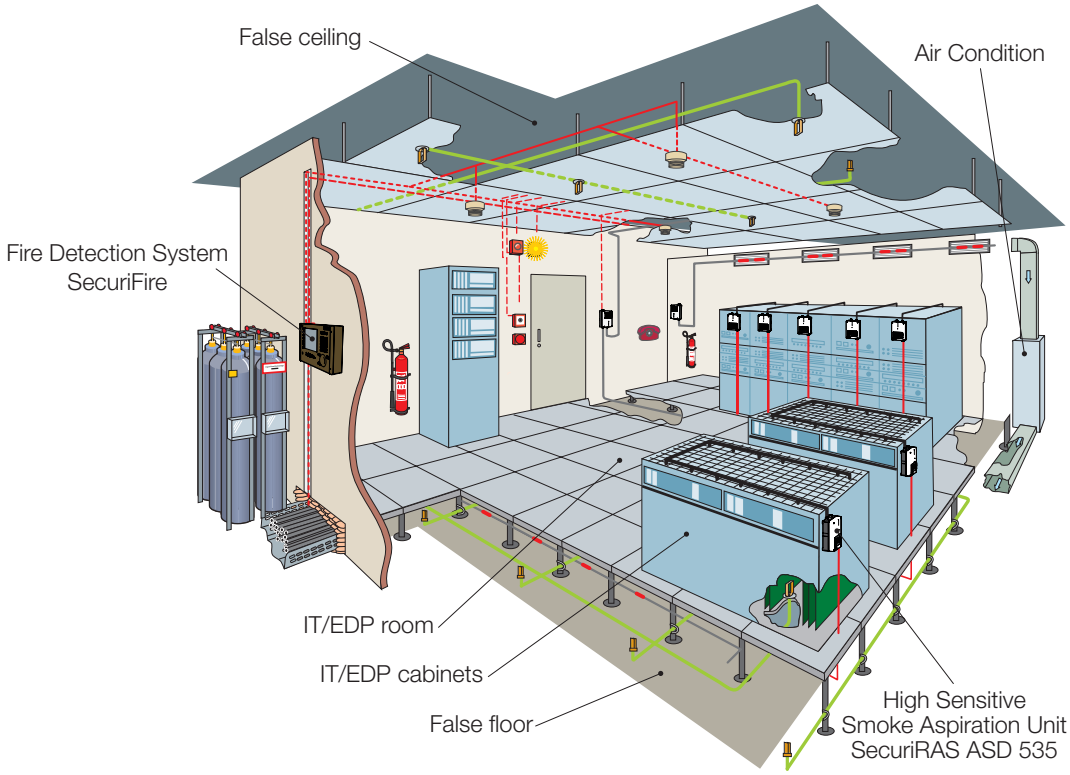
With the optional interface the aspirating smoke detector can be ideally integrated into the SecuriFire fire detection system. It is then very easy to display and adjust the day & night sensitivity, for example, from the fire alarm control panel.

ASD PipeFlow

The ASD PipeFlow computation software is of course also used to calculate equipment monitoring systems. Other features include extremely easy intuitive operation, calcula-tion of asymmetric sampling tubes, and multi-language support.



Typical protection of a Data Center



Securiton AG
Alarm and Security Systems
Alpenstrasse 20, CH-3052 Zollikofen/Bern, Switzerland
Tel. +41 31 910 11 22, Fax +41 31 910 16 16
www.securiton.com, info@securiton.com