

Early fire detection

in small-scale storage of lithium-ion batteries

Fire Gas and Smoke Detection System – FGSDS

Storage with risks

The safe storage of lithium-ion batteries is increasingly an issue for recycling companies – but also for manufacturers who are obliged to take back batteries.

Gases and aerosols can escape from pre-damaged batteries – signs of an impending thermal runaway of the batteries.

How quickly these fire gases can be detected depends on many factors: Degree of damage, amount and residual capacity of the damaged batteries or composition of the electrolyte, to name but a few.

Quite smart: the FGSDS

Our solution for small warehouses is based on a special gas detector: This detects different fire gases long before the thermal runaway of the battery.

In combination with smoke detection, the system therefore offers comprehensive fire protection. In addition, freely adjustable threshold values enable adaptation to individual safety specifications.

Compact and smart: The system can be installed outside the warehouse with little effort. Thanks to the combination with the air intake, only one detector is needed to monitor the entire interior.



Our products for your safety



VdS-certified deluge system

Deluge systems are used in areas where there is a risk of rapidly spreading fires. The system applies extinguishing water to the protected object quickly and over a large area.



Certified infrared fire detection system

The early fire detection system based on an infrared camera detects fires as they are developing. We combine detection with our VdS-certified deluge system to protect machines, halls or open spaces.



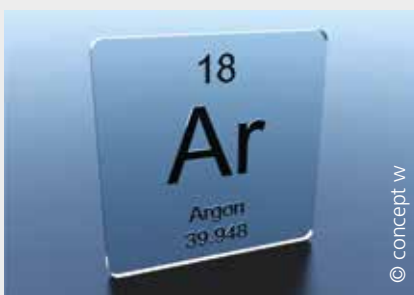
Fire alarm system according DIN 14675

Fire alarm systems are permanently installed manual or automatic systems for early fire detection, warning of the persons concerned and rapid transmission of the fire alarm to a service provider.



VdS-certified spark extinguishing system

Fully automatic system that detects the smallest ignition potentials in transport systems and extinguishes them in the range of milliseconds with a water mist.



Argon extinguishing system according VdS 2380/3445

Fully automatic extinguishing system in which the fire is detected and eliminated by oxygen displacement.



Customer-specific protection concept

As a VdS-approved installer we work closely with you to create a comprehensive protection concept tailored to your requirements.

**You have questions or would like to get advice?
Just get in touch with us:**

M +49 5181 90991-0

E sales@tbelectronic.de



T&B electronic GmbH
Industriestraße 3
31061 Alfeld | Germany

