ZETTLER

Safer. Smarter.

A Tradition of Fire Detection Innovation

About ZETTLER

Who is ZETTLER

ZETTLER has a long and proud tradition in fire detection. Founded in Munich in1877 as Elektrotechnische Fabrik Alois ZETTLER it quickly became a recognized name for quality fire detection, Nurse Call and other building control solutions.

When ZETTLER became part of Tyco International in 1996 the fire detection product line was available throughout Europe and has since gone from strength to strength benefitting from the resources and investment available from Tyco.

World Class Manufacturing

Today, ZETTLER products are made in world class globally certified European Tyco owned factories which ensure the highest levels of quality and environmental health and safety.

MZX Technology

The ZETTLER fire detection system is built on the MZX Technology platform which has been developed on the back of the best innovations from Tyco companies in the field of fire detection.

Global Certifications

ZETTLER products have global certification from many approval authorities and product development and manufacturing procedures are regularly audited and inspected by independent test houses from around the world.

Built on 100 years of product innovation

The ZETTLER range has been built around MZX Technology which provides some of the most advanced fire detection capabilities available.

Developed from integrating many years of product innovation through research and development across Europe, the MZX Technology platform has provided some of the best sensing technologies over 100 years and has been a great contributor to early detection and minimizing false alarms. It has also been responsible for some of the best installation techniques allowing easy and flexible engineering and installation. This has resulted in the ZETTLER range being the most resilient, reliable and serviceable systems available and has the broadest level of standards compliance.

ZETTLER in 2000's

ZETTLER was one of the world's first fire detection manufacturers to transition from analogue to digital communication technology ensuring high levels of system resilience and reliability. Providing reliable communications on all types of new and existing cables in all manner of wiring layouts, the ZETTLER MZX digital protocol continues to operate even if the cable is damaged by damp and fire.

ZETTLER and MZX Technology for the future

MZX Technology has been built on previous innovations including ZX Digital communications protocol and ZX Fastlogic detection algorithms to provide a world beating combination of superior fire detection, false alarm rejection and robust reliable design. Combined with its easy to install and advanced serviceability features the ZETTLER range provide installers and end users with a world leading solution.

Advanced System Architecture

The advanced system architecture of MZX Technology ensures that ZETTLER fire detection panels maintain forward and backward compatibility whilst providing the hooks to support redundant networks, IP communication technology, advanced user interfaces and open protocol integration with other building systems.

ZETTLER PROFILE

ZETTLER PROFILE is a powerful fire detection and alarm system that uses MZX Technology at its heart. The system is highly resilient to external factors such as electrical noise or sources of false alarm. The new touchscreen user interface with context sensitive help has been ergonomically engineered so that every operation is made easy.

3oTEC Multi-Sensor

The 3oTec multi-sensor takes the best optical smoke detection technology and combines this with carbon monoxide gas detection and heat detection to provide a universal fire detector with algorithms that provide earlier detection of slow smouldering fires whilst providing a level of false alarm resilience that simply cannot be achieved with optical only fire detectors.

Unrivaled Resilience, Reliability & Ergonomics

MZX Technology makes the ZETTLER product line one of the most robust, reliable and ergonomic fire detection systems on the market with an enviable set of product approvals, listings and certifications. ZETTLER products are not just approved to the minimum specifications required, the products are put through the most extensive certification programs to ensure the highest levels of reliability and performance.

Ergonomic Design

The PROFILE fire alarm control panel has been designed with end users in mind. Its touchscreen user interface has been ergonomically engineered with an intuitive Info-Button and context sensitive help. Every operation on the PROFILE panel is made easy for end users from System Integrators to Fire Fighters.

Resilient Fire Panel Network

The ZETTLER redundant peer to peer panel network not only meets EN54 part 13 but is also approved to EN54 part 2 which means that multiple fire panels networked together are approved to operate as though they are a single distributed fire panel. Even if the network is broken in two places the fire panel network can continue to operate as two system segments.

Reliability Certifications

ZETTLER systems are designed for use on the most demanding industrial applications but all ZETTLER installations now benefit from the products reliability certification to Safety Integrity Level 2 (SIL2) as specified in the international IEC61508 standard.

Ergonomically Designed Products

The PROFILE panel has been designed ergonomically putting its users at the heart of its design to optimise comfort, functionality and user-friendliness.

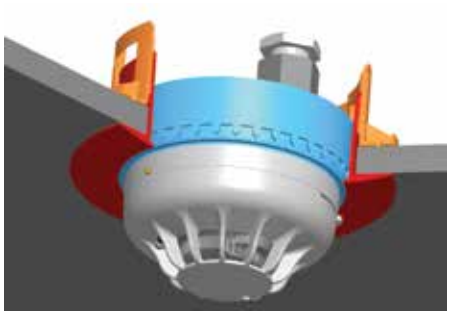
The panel's intuitive LED touchscreen features an Info-Button providing context sensitive help and operating instructions. This guarantees fast and reliable assistance even for infrequent users.

Complete System Integration

Future proofing of the ZETTLER product is a key design priority and the MZX Technology system architecture ensures that software, memory and microprocessor upgrades can be easily implemented in the future. In addition compatibility with earlier Generation 5 detectors is seamless. Earlier generations of detectors can also be supported by ZETTLER panel accessories such as the Zetfas/STI loop card and the DDM800 Universal Fire and Gas Detection module.

Reflective Sound Monitoring (RSM)

The sounders and beacons of the ZETTLER range also contribute to the reduced lifetime costs. Sounders with Reflective Sound Monitoring (RSM) use their integral microphone to monitor their own operation providing a quick and simple regular system testing mechanism without disturbing building occupants. Products with RSM also have the remote tone and volume adjustment feature which is invaluable during system installation.



Time Saver Mount

One of several valuable installation saving features in the ZETTLER range is the Time Saver Mount. The Time Saver Mount provides a quick, neat and easy installation aid when mounting detectors on false ceilings. Most important of all, the Time Saver Mount allows detectors to be commissioned and working before the ceiling is installed. This significantly simplifies the project management of large complex installations.

Extended Service Life (ESL)

ZETTLER Generation 6 detectors include the latest ESL optical chamber design which has doubled the service life of the optical smoke detectors. This is useful in all applications but will particularly help in areas where normal smoke detectors quickly get dirty.

TrueInsight Remote Services

TrueInsight Remote Service is a revolutionary web based technology shaping the future of ZETTLER fire detection systems. TrueInsight communicates over IP monitoring multiple fire detection systems and identifies issues from one remote location.

By remotely identifying issues through automated alerts, the best course of action can be pro-actively determined. With more accurate diagnostic information fire services arrive on site more prepared and fire systems can be maintained to a higher standard, reducing the risk of business interruption.

ZETTLER Analogue Addressable Fire Detection System

Networking TLI800EN Network Interface Module

This module allows MZX Technology Fire Controllers to be "seamlessly" networked together. The MZX Net communications network comprises a collection of network interface modules and peripheral equipment that together form a fault resistant, and flexible peer-to-peer network for the MZX analogue addressable fire systems controllers.

With this network no host or master controller is required and if communication in the network is interrupted, all nodes in a peer to peer network will continue to work as stand-alone fire panels.

In addition because the network is programmed locally it can be easily extended or re-organised.The MZX Technology Network has full EN54 approvals and has been designed for use in high rise commercial and residential buildings. It is equally suitable for campus style environments such as universities, hospitals and industrial parks.

Generation 6 detectors

- Better environmental performance.
- Better detection performance.
- Greater fault tolerance.
- Reduced lifetime cost.
- Quicker, easier and safer to install and service.

Comprehensive range of **control panels & accessories**

The ZETTLER range of control panels and accessories include a full range of stand alone addressable, networked addressable and conventional panels. This also includes gaseous releasing panels. These panels have been designed to be resilient, compact, easy to install and configure. They are also forward/ backward compatible and intuitive to operate.

Conventional Range

The MZX-C and MZX-C+ conventional control panels employ one or more circuits, connected to sensors wired in parallel. They have the capacity for 2 – 32 zones and the possibility of connecting external repeaters. They also support the complete range of EN54 approved series 600 detectors including photo multi-sensor and the CO multi-sensor. The MZX-C+ also comes with the possibility of extensive custom options which are programmable via switches and the front panel controls.

Addressable Range

This range includes the MZX125/250 (1 + 2 loop) and the MZX254 (4 loop) all are part of a new generation of ZETTLER fire systems using MZX Technology™.

Networkable Addressable Range

ZETTLER PROFILE is a powerful fire detection and alarm system that uses MZX Technology at its heart. Due to the fact that MZX Technology was originally designed for operation in the most hostile of environments, the system is highly resilient to external factors such as electrical noise or sources of false alarm. The new touchscreen user interface with context sensitive help has been ergonomically engineered so that every operation is made easy.

Gas Releasing Panels

This range includes the FAST2000® and the MZX-e extinguishing control panel. The FAST2000/2 range is designed for small, medium and large installations in industrial and commercial applications. They are based on the latest Tyco PBS Technology and conform to EN54-2/-4 standard for fire alarm panels, and EN12094-1 standard for extinguishing control systems and the VdS Guidelines. The MZX-e is powerful and user-friendly and is the only extinguishing controller approved to both the Extinguishing Standard EN12094 and to the Fire Detection Standard EN54 Part 2 & 4. The panel is easy to install, programme and operate and has extensive configuration options.

Solutions to suit your needs

Different environments require different solutions which is why we have developed a wide product portfolio. This enables us to provide you solutions for applications from light commercial and large industrial to the even more challenging areas of hazardous areas such as oil and gas platforms.

Healthcare

Special care needs to be taken when configuring systems for hospitals, care-homes and healthcare centres as these are places full of particularly vulnerable people. Because of this the reliability of the system is paramount as its primary function is to protect life.

Due to the potential lack of mobility of people in these places and the probability that some may well be sleeping (even during the day) the chosen system needs to give the earliest possible warning in the event of a fire.

In addition special alarming and evacuation procedures have to be in place for those with additional disabilities like hearing loss. It's crucial that the detection systems are free from false alarms to minimize disruption to patients who could be undergoing surgery.

Industrial

Manufacturing and warehousing facilities can be areas of high fire risk. Even though they may carry high value items the potential loss in manufacturing can also result in significant loss in market share due to prolonged closure after a fire.

Detection systems in industrial facilities need to deal with harsh environmental conditions (heat, dust, cold, explosive conditions). We provide specialist fire detection products for special hazardous environments.

Depending on the nature of the manufacturing and warehousing facility we are able to help plan individually tailored solutions.

Leisure

All leisure facilities such as hotels, cinema, sports venues, auditorium, stadia and even swimming pools run the risk of fire.

These facilities particularly hotels are prone to unwanted alarms. These are usually caused by some unusual occurrence close to a sensor, e.g. someone smoking a cigarette under a sensor.

Early detection is required especially in places where people who are sleeping. Our 3oTec, triple sense detector will sound the alarm before flames begin to spread. Most fire victims are killed by carbon monoxide and the 3oTec alerts people at the earliest stages of a fire, hence providing valuable time to evacuate.

Fire Protection Products

Safer. Smarter.

Global strength. Local expertise.
At your service.

MULTRON

www.multron.com

Multron Systems Pte Ltd
217 Kallang Bahru,
Multron Building,
Singapore 339347

Tel : +65 6395 6868
Fax : +65 6395 6869
E-mail : info@multron.com

ZETTLER
Authorised Distributor