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# VIGILANT® MX1

## Fire detection and alarm system

*Protecting People & Property*

**WORMALD**



# Comprehensive fire protection for small to medium size facilities

## **A complete turnkey solution**

A single fire can have catastrophic consequences, but advanced fire detection technology can help protect your facility. Wormald offers a complete turnkey approach to fire protection, by providing end-to-end solutions.

As a leading expert in fire protection, our solutions expand beyond standalone product, to also include initial examination of your fire risk, the design of an effective and affordable solution, installation, testing and maintenance of the final system. No matter how large or small, complex or straightforward, Wormald works with you to meet your requirements.

## **Lastest detection technology**

Wormald's *MX TECHNOLOGY*® brings together advanced detection technology from around the world and combines it into a sophisticated and comprehensive fire detection system. Reliable, robust and simple to maintain, *MX TECHNOLOGY*® systems are designed for speedy and accurate response to potential fire events and aim to deliver minimal false alarms.

## **Fire system of choice**

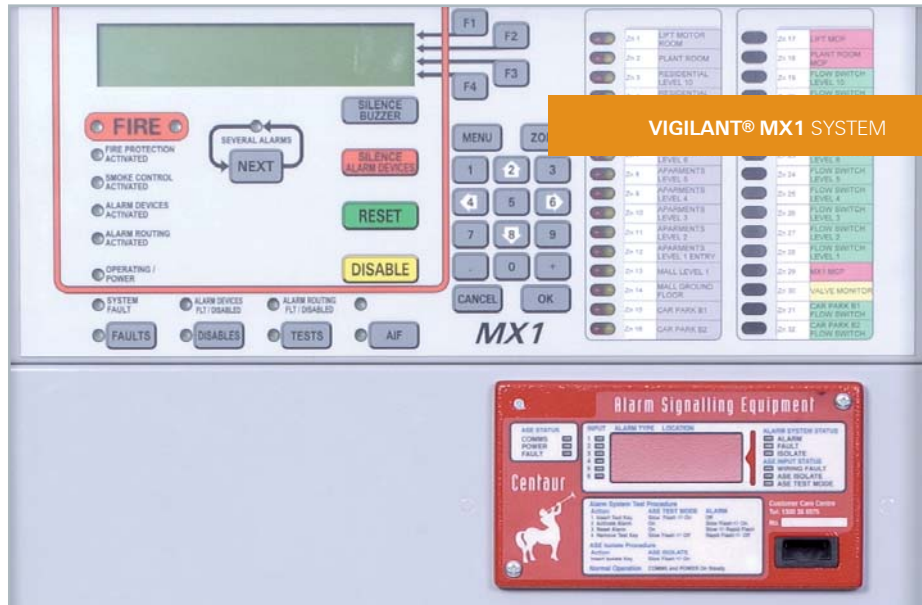
When helping to protect a small to medium size facility, the VIGILANT® *MX1* Fire detection and alarm system is the panel of choice. This system is simple, cost-effective and offers a range of advanced features, commonly found in large and complex systems.

The VIGILANT® *MX1* system provides a simple way to integrate a number of different types of fire protection devices. It is particularly suitable when combined with other devices from the patented *MX TECHNOLOGY*® range.

The VIGILANT® *MX1* system can be simply programmed to cater for the unique needs of individual circumstances. A single VIGILANT® *MX1* system can handle hundreds of addressable points, although it may initially be linked to just a handful of detectors and modules.

Once a VIGILANT® *MX1* system is installed, it is a relatively simple matter to plug in additional detectors or modules as your needs grow or as the nature of your fire risk changes.

*Fact: The VIGILANT® MX1 system is highly effective yet easy to use. This system offers rapid response to fire events and helps reduce the false alarm rate.*



# Inbuilt intelligence to deliver outstanding flexibility & reliability

*Fact: MX TECHNOLOGY® offers flexibility, so that it can be easily upgraded when required to suit changes in your business.*

## Capable of handling hundreds of devices

This fire system delivers exceptional flexibility and features advanced technology.

The VIGILANT® MX1 system can handle up to 250 separate devices on a single digital loop, or up to 500 devices with an optional second loop. Analogue addressable loops provide connection to a variety of detectors and other devices. Having multiple devices controlled by a single panel reduces installation costs and delivers an integrated and flexible solution.

## Inbuilt intelligence

The VIGILANT® MX1 system supports MX TECHNOLOGY® fuzzy-logic detection algorithms that continually analyse the signals from across the system. The sophisticated logic has been developed by Wormald researchers to promptly identify genuine fire events while reducing nuisance alarms to a very low level.

## Multiple device types

One of the strengths of MX TECHNOLOGY® is the ability to integrate a wide range of detectors, including a triple-sensor detector incorporating photoelectric smoke, Carbon Monoxide (CO) and heat. For specific applications, single-sensor MX

Analogue addressable ionisation and photoelectric smoke detectors, high sensitivity smoke detectors, heat-only detectors, flame detectors, and Ex devices and detectors rated for hazardous areas are also available.

## Meets relevant standards

The VIGILANT® MX1 system complies with AS 7240.2 (Fire detection and alarm systems - Control and indicating equipment). It also features an integral Fire Brigade Panel to AS 4428.3 (Fire detection, warning, control and intercom systems - Control and indicating equipment - Fire brigade panel), providing a standard interface for fire fighters to view and control alarm conditions.

## Fully programmable

The VIGILANT® MX1 system is programmed quickly and easily using the SmartConfig Windows®-based programming software. The dual database structure of the VIGILANT® MX1 system allows updated site-specific configurations to be downloaded while still maintaining full operation.

System programming provides a wide range of options including operation of remote displays. Freely programmable mapping of points and sub-points to zones allows maximum flexibility for field wiring.

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# MX TECHNOLOGY®

## a philosophy of long term effectiveness

Powerful control programmability is available through timers (second and minute), day/night periods and logic expressions. Text substitutions add meaning to logic expressions to simplify software maintenance.

The programmed data can be printed for reference and archived for back-up storage. The site-specific configuration is stored in non-volatile FLASH memory, which remains protected even if the system's power supply is removed.

Combined with Wormald's expertise in design, install, commissioning and maintenance, *MX TECHNOLOGY®* provides one of the simplest yet most effective approaches to fire protection.

### Easy to operate

Operation is straightforward with the VIGILANT® *MX1* system. With a 4 line x 40 character alphanumeric LCD, it displays clear alarm information including; the zone and point numbers, the type of alarm and a text description of the alarm location. The 4-line text display allows easy scrolling through the 99 event alarm buffer. Current faults, disabled (isolated) zones and points, and tests in progress can also be separately recalled. An internal, non-volatile history log stores the previous 999 events, and these can be readily

recalled to the LCD. The optional easy-to-read plain language printer output provides a 30 character text description of the event, and a date/ time stamp to allow rapid tracing of events. The printer may be selected to log events from each zone or point. "Tandem Mode" enables the VIGILANT® *MX1* system to be operated from a remote computer running PanelX for training, diagnostic or remote operation purposes.

### A service partner you can rely on

Wormald believe that a fire detection and alarm system should be trouble free, value for money and also easily maintainable and upgradable throughout the lifetime of the system.

With extensive knowledge of the *MX* product range, there is no better way to service and maintain your *MX* fire detection system than with a trained and certified Wormald Technician. However, if you would prefer to use another supplier, Wormald can provide the necessary access codes.

### No second chances

If your facility is worth protecting, it is worth protecting it with the very best technology available. Thankfully, fire events are rare. But when they do occur, the effects can be devastating. Your choice of fire protection must be correct the first time.

### Contact Us

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