850SERIES

Generation 6 *MX* Detection Range

Features

- Compatible with *MX* Addressable Loop on SIMPLEX 4100ESi, VIGILANT *MX1* and VIGILANT MX4428 panels[1]
- Optical Smoke, Heat, CO & Multi-Sensor detectors
- AS 7240.5 Listing (heat detectors)
- AS 7240.6 Listing (CO detectors)
- AS 7240.7 Listing (smoke detectors)
- AS 7240.17 Short circuit *MX* loop isolator

Advanced Fire Detection Technology

The Generation 6 850 Series fire detectors are designed to be both adaptable and flexible, which means they can be used in most premises to protect against a wide range of potential fire risks. They use sophisticated digital signalling to communicate with the *MX TECHNOLOGY* fire control panel. A range of standard and functional bases variously protect against short circuits, moisture ingress, and provide output control and sounder functions.

The ability of the 850EMT Engineering Management Tool to interrogate and program detectors connected to a VIGILANT *MX1* or SIMPLEX 4100ESi system via a 2-way infrared link, together with a range of bases and accessories, helps make the 850 Series detectors safe, quick, and easy to install.

The Ceiling Tile adaptor (CTA) allows detectors to be pre-commissioned and tested before the suspended ceiling is fitted.

Standard and custom colour options allow the detectors to either blend into the décor or be easily located against a contrasting background.

MX Gen6 Detector Features

- Choice of heat, smoke, heat/smoke, heat/smoke/CO detectors
- Advanced multi-sensor designs
- Enhanced chamber design
- Enhanced immunity to false activation
- Extended drift compensation
- Up to 250 devices per *MX* loop
- Built-in short circuit line isolator
- Quick and easy to install
- Two-way infrared programming with 850EMT[2]
- Dual colour indication for Alarm and Isolator operation
- Comprehensive range of bases and base accessories
- Compatible with Ceiling Tile Adaptor (CTA) Time-Saver Mount
- Cover and base available in any Pantone colour

1. 801F is not supported on MX4428 or 4100ESi.
2. IR programming not available on MX4428.

850PC Multi-Sensor CO, Smoke and Heat Detector

For life protection and when the environmental conditions are challenging, the 850PC detector provides the ultimate in detector performance and nuisance alarm rejection. It is a multi-sensor that monitors smoke, heat and CO levels in concert to accurately determine the presence of fire. Its nuisance alarm rejection properties make it the ideal choice for hotel bedrooms where steam from bathrooms is a common source of nuisance alarms.

850PH Multi-Sensor Smoke and Heat Detector

With the ability to detect a wide range of fires from flaming to smouldering types, the combined optical and heat multi-sensor detector is the preferred choice for a range of applications including light industrial, retail and office environments. It operates in a number of approved modes and sensitivities that can be dynamically selected to suit different environmental conditions.

850P Photo Smoke Detector

More benign environments where any potential fire will be slow burning can be protected using the optical detector. A choice of sensitivities and modes gives this detector a broad range of applications.

850H Heat Detector

To complement the range the 850H heat sensor can operate in fixed temperature and rate-of-rise modes with a number of approved sensitivities. Most often used in areas where high levels of dust are present or where the environment precludes the use of smoke detectors.

801F Flame Detector

The 801F point type flame detector is part of the *MX TECHNOLOGY* range of digital addressable fire detectors. The 801F is a full featured flame detector for indoor use and boasts a high degree of false alarm immunity. It is compatible with *MX1* only.

850EMT Engineering Management Tool

The 850EMT is a powerful and flexible commissioning tool that communicates with the 850 series fire detectors connected to a VIGILANT *MX1* or SIMPLEX 4100ESi via a two way infrared link*. Alternatively, *MX* detectors can be plugged on directly. *MX* modules are connected via a programming lead.

* IR programming is not supported on MX4428.

4B Detector Bases and Base Ancillaries

4B-C Continuity Base. Use with 850 Series detectors on *MX1* or 4100ESi to enable the inbuilt short-circuit isolator. Provides continuity when the detector is removed.
4B-I Isolator Base. Use on MX4428 to provide short circuit isolation.
4B Base. Detector base, no short circuit isolator.
Functional Bases. The range includes the 802SB loop-powered Sounder base, 901SB externally-powered Sounder base, 814RB Relay base and more.
Ceiling Tile Adaptor. Designed to cut installation time, enhance the installed appearance and mechanically protect the installation when installing in false ceilings.

VIGILANT