



ZETTLER® Expert: The MX/ZX Wireless Fire Detection System

The MX/ZX Wireless Fire Detection System offers an optimal solution for applications in which, for structural or aesthetic reasons, a wired system is unacceptable or can only be implemented at great cost.

Fire monitoring of listed buildings is easy and uncomplicated as the MX/ZX Wireless Fire Detection System can be easily integrated into the MX/ZX Fire Detection System. Because of the straightforward installation process and simple integration into a MX/ZX Fire Detection System, existing MX/ZX Fire Detection Systems can be easily extended and quickly adapted to meet customer requirements.

ZETTLER® Expert

The MX/ZX Wireless Fire Detection System

Features:

- Multiple wireless interfaces can be simultaneously connected to a loop.
- Up to 32 wireless detectors in a max. of 2 zones can be connected to the wireless interface.
- Installation of the wireless components (battery operated) is completely wireless.
- The wireless interface continuously monitors all wireless components (100 second monitoring cycle). Data transfer itself requires a maximum of 10 milliseconds.
- Wireless coverage can be determined in advance using the Wireless Range Test Set to simplify planning. This ensures that complete coverage is provided with the lowest number of wireless components.
- Alarms and possible faults are displayed on the MX/ZX Fire Detection System.
- Rapid configuration of the MX/ZX Wireless Fire Detection System.
- Various wireless components can be used allowing the MX/ZX Wireless Fire Detection System to be used with the greatest of flexibility. The system includes a low-power optical smoke detector and a low-power heat detector. Furthermore, DIN manual callpoints in red and blue and a KAC manual callpoint are provided.

Integration with the MX/ZX Fire Detection System



The system is connected to the MX/ZX Fire Detection Panel via the CIM800 and RIM800 MX/ZX ancillary modules. These ancillary modules are mounted on chassis inside the wireless interface. Following that they are then connected to the corresponding MX/ZX Fire Detection Panel loop.

The wireless components

- Wireless I/F 32 channels
- Wireless callpoint KAC, red
- Wireless callpoint DIN, red
- Wireless callpoint DIN, blue
- Low power optical detector Apollo
- Low power heat detector Apollo 60°C
- Wireless detector base with battery
- Reach Measurement Test Set

High degree of safety

The wireless system uses a dynamic frequency switching process using a total of 24 channels.

The 24 channels are split over two independent frequency bands (434 MHz and 868 MHz). If one of the 24 wireless channels is disrupted or unavailable then all wireless components automatically switch over to another available wireless channel (synchronisation agreement). In the event of one of the wireless frequency bands being completely disrupted, the system automatically switches to the second wireless frequency band. As a result, this ensures that each notification reaches its intended destination. Consequently, chance disruption or blocking of a notification is therefore ruled out.



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