



# The intelligent loop for detection and alarm devices.

## SecuriFire: SecuriLine eXtended

The SecuriLine eXtended loop is the robust and secure communication channel for the SecuriFire fire detection system. Thanks to highest intelligence it ensures smooth communications between the detection and alarm devices connected to it and the control unit.

### **Impressive: the dimensions**

SecuriLine eXtended runs from the control unit throughout the building over a length of up to 3500 m. It acts as a communication channel and fault-free connection to and from the control unit for up to 250 elements. Up to 16 SecuriLines eXtended can be connected to each control unit, with elements such as fire detectors, sirens, flashing lights as well as input and output modules.

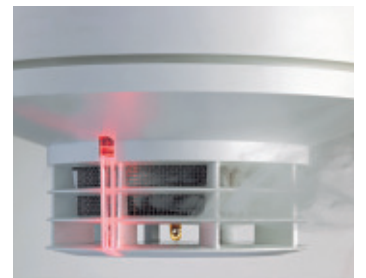
### **Comforting: the security**

The connected elements are in constant communication with the control unit via SecuriLine eXtended – with maximum transmission reliability. It's the basis for the seamless monitoring and evaluation of the participant status. With digital data transmission, errors in the line network are located and automat-

ically filtered out. The short-circuit isolators integrated in each detector and in all the modules also ensure guaranteed security. Even in the event of a total failure of a detector or of a wire break on the SecuriLine, all the other elements remain fully operational. The fire detection system locates the fault and outputs the relevant information as clear text on the display or printer. This means that the cabling can be optimised beyond fire sectors. Every precaution has also been taken to avoid false alarms. Each detector is equipped with a microprocessor that detects dirt, carries out self-tests and continually analyses the detector. The relevant data flows lightning-fast and reliably to the processor unit in the control unit via SecuriLine eXtended.

### **Versatile: the data communication**

SecuriLine eXtended allows you to group elements independently of the wiring. One group can be divided among different loop – under certain circumstances even among different control units. It's easy to see how this would reduce the amount of wiring involved.



### **SecuriLine eXtended – secure and intelligent:**

**Modular and decentralised architecture, up to 16 ring circuits with 3500 elements per control unit**

**Lightning-fast detection of incipient fires**

**Line length of up to 3500 m**

**Up to 250 elements per SecuriLine eXtended**

**High level of reverse compatibility, enabling new participants to be combined as required with existing ones**

**Simple planning, programming and operation**

**Tested and approved in accordance with EN 54, EN 12094-1, DIN, VDE and many others**

**Simple: the programming and commissioning**

No two SecuriLines eXtended are the same. Each individual ring circuit is adapted precisely to local circumstances, the hazard potential and the security requirements. The loop itself is programmed and commissioned by using a user-friendly software: SecuriFire Studio. A computing program maps out the possible line lengths depending on the elements connected and the wire cross-section used.

**Powerful: the connected detection units and elements**

Monitoring, detecting, alarming and controlling: those are the tasks performed by up to 250 ring circuit participants connected to a

SecuriLine eXtended. Each device can be programmed individually.

**Satisfying: investments safeguarded**

SecuriLine eXtended also accommodates units from older generations (BMZ HX/SecuriPro). So any existing investments are safeguarded, and you can upgrade your installation step by step and without difficulty. The properties of SecuriLine eXtended (e.g. 250 subscribers per loop) apply only in cases where SecuriLine eXtended elements are used. And since SecuriLine eXtended elements are reverse compatible, mixed operation with SecuriLine elements is also possible. In this case, however, the features of the conventional SecuriLine apply (max. 128 participants per loop).

