

Fire detection and fire alarm systems (EN 54 series)



The EN 54 series applies to fire detection and fire alarm systems in and around buildings composed of several components that communicate for the purpose of detecting fire at the earliest practicable moment.

The EN 54 series provide:

- local and/or remote fire alarms to organizations having authority to take care of buildings and their environment;
- signals to initiate, in the event of a fire, the operation of other fire protection and equipment/systems.

EN 54, Fire detection and fire alarm systems, consists of the following parts:

- Part 1: Introduction
- Part 2: Control and indicating equipment
- Part 3: Fire alarm devices — Sounders
- Part 4: Power supply equipment
- Part 5: Heat detectors — Point detectors
- Part 7: Smoke detectors — Point detectors using scattered light, transmitted light or ionization
- Part 10: Flame detectors — Point detectors
- Part 11: Manual call points
- Part 12: Smoke detectors — Line detectors using an optical light beam
- Part 13: Compatibility assessment of system components
- Part 14: Guidelines for planning, design, installation, commissioning, use and maintenance

(CEN/TS 54-14)

- Part 16: Voice alarm control and indicating equipment
- Part 17: Short-circuit isolators

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- Part 18: Input/output devices
- Part 20: Aspirating smoke detectors
- Part 21: Alarm transmission and fault warning routine equipment
- Part 22: Resettable line type heat detectors
- Part 23 Fire alarm devices — Visual alarm devices
- Part 24: Components of voice alarm systems — Loudspeakers
- Part 25: Components using radio links
- Part 26: Point fire detectors using carbon monoxide sensors
- Part 27: Duct smoke detectors
- Part 28: Non-resettable line type heat detectors
- Part 29: Multi-sensor fire detectors — Point detectors using a combination of smoke and heat sensors
- Part 30: Multi-sensor fire detectors — Point detectors using a combination of carbon monoxide and heat sensors
- Part 31: Multi-sensor fire detectors — Point detectors using a combination of smoke, carbon monoxide and optionally heat sensors
- Part 32: Guidelines for the planning, design, installation, commissioning, use and maintenance of voice alarm systems

Manufacturers or distributors of fire safety (detection) products who want to bring such a product on the market.

Only with a certificate it can be proved that the a component which is part of a fire detective and/or fire alarm system is compliant to the standard. Normally a certificate will be issued after the testing has been successfully completed. A certificate for this product provides you market access for the European market.

If you want more specific information for your organisation, please fill out the contact form on our website or contact us by phone or email. We will inform you about the information required in order to make a quotation according to your needs. After this we will set up a plan according to your needs and requirements.