ES DETECT

ESSER
by Honeywell

Innovative fire detection for
conventional applications

ES Detect

ESSER by Honeywell: The experts for safety in buildings

With a comprehensive and cutting-edge portfolio in the areas of fire alarm technology, voice alarm systems and management systems, ESSER is the leading expert for safety in buildings.

Our products and services distinguish themselves not only through solution orientation and innovation, but also through competence, reliability, and security.

Fire Systems

Voice Alarm Systems

Management Systems

ES Detect – the plus in safety

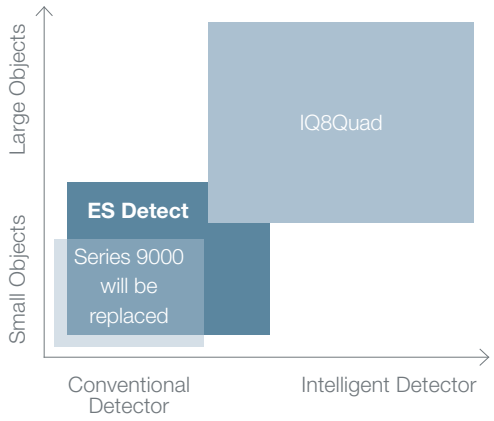
Security is the result of efficiency and innovation – also in fire safety. New, innovative technology enables continuous improvements.
The result: ES Detect.
Intelligent, non-addressable fire alarm detectors for conventional applications, and ideal for use with the ES Line fire alarm control panel. ES Detect sets new standards through high quality sensor systems and the most modern detection technology.

These include not only the intelligent algorithms for early fire detection, but also a wide range of different types of detectors and integrated drift compensation.
The advantage: the ES Detect may be operated for full eight years in Germany, in accordance with the standard DIN 14675. And not just for five years, like the normal conventional detectors.

Intelligent monitoring

The microprocessor-controlled fire detector ES Detect is equipped with a wide scope of technologies and excellent price-performance balance. And with the intelligent algorithms for early fire detection as well as the ability to set parameters, ES Detect can be adapted to difficult environmental conditions.

Wide range of detector types
With the innovative technology of ES Detect even multi-sensor detectors can be used in conventional areas. Six different detector types are able to meet any requirement:

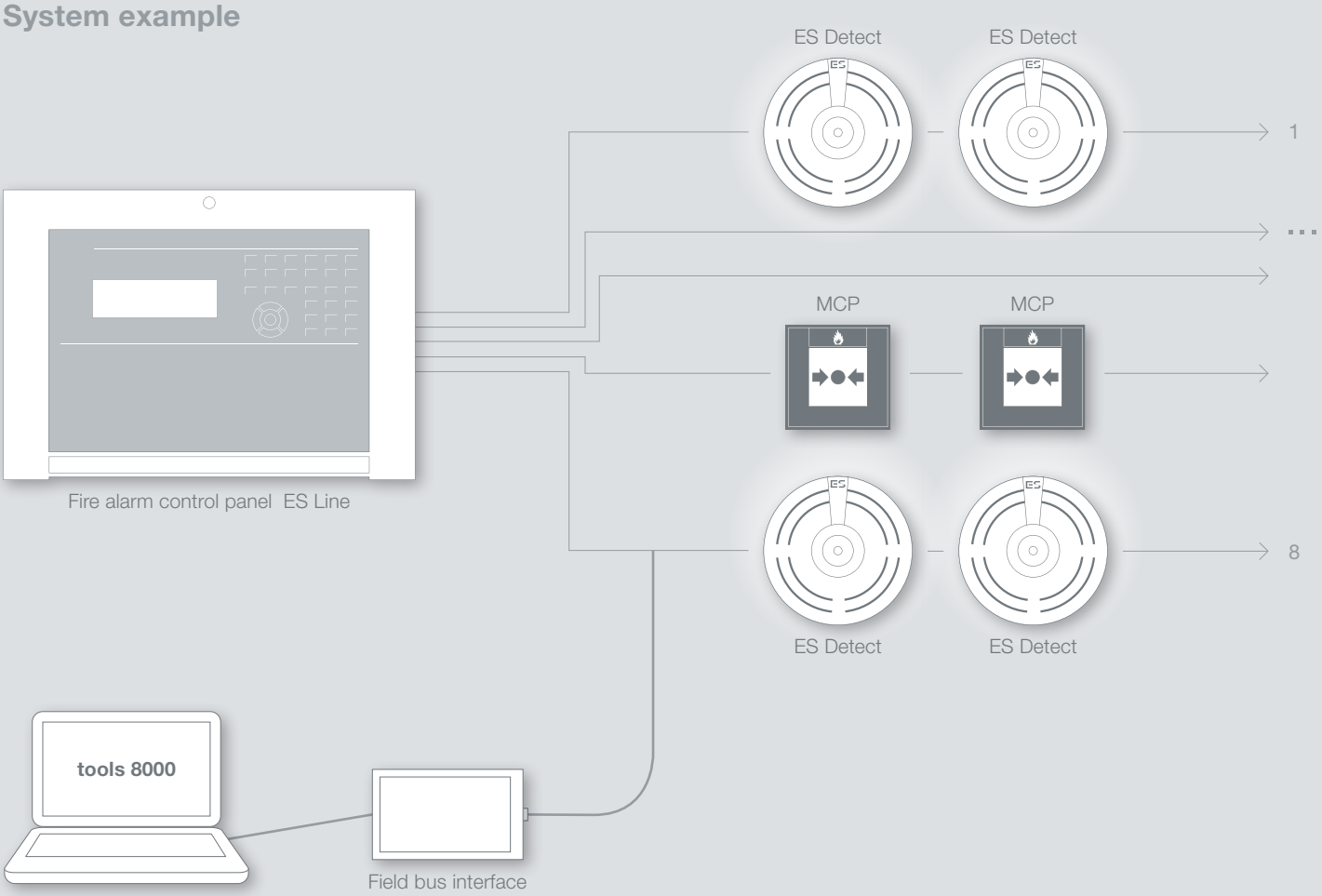


- **Fixed heat detector:**
  Automatic heat detector with fast semiconductor sensor for reliable detection of fires with heat development.
- **Fixed heat detector class B:**
  For increased operating temperature according to DIN EN 54-5, Class B
- **Rate-of-rise heat detector:**
  Automatic heat detector with fast semiconductor sensor for reliable detection of fires with rapidly rising temperatures as well as integrated fixed temperature heat function for the recognition of fires with slow temperature rise.
- **Optical Smoke Detector:**
  Photoelectric smoke detector with scattered light for an early detection of fires.
- **Multisensor fire detector OTblue:**
  Multisensor fire detector with integrated optical smoke and heat sensor. Allows the earliest possible detection of the finest particles through optical measurements according to the “Blue Principle”. Optimal replacement for ionization detectors.
- **Multisensor fire detector O²T:**
  Multisensor fire detectors with two built-in optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation for detecting everything from smoldering fires to open fires with consistent response performance.


“A SAFE DECISION: CUTTING-EDGE TECHNOLOGY FOR CONVENTIONAL APPLICATIONS.”
Frank Gegenbauer, Master Electrician

High-quality technology

System example



Simple installation, fast and easy maintenance. Never before has a fire detector been more effective. The result means a benefit in profitability.

Short installation time

Along with the standard base, a detector base with a relay output can be used. The detectors automatically control the relays in case of an alarm, so that, regardless of the capabilities of the fire alarm control panel ES Line, an additional activation on site can be performed independent of the control panel. And this without connecting additional cables from the fire alarm control panel to the desired location for the activation. It is also possible to connect a remote indicator at the control outputs of the ES Detect for alarm indication.

Easy service and maintenance

Although the ES Detect is recognized automatically by the ES Line panel, it already has the necessary hardware requirements to be able to communicate with the proven installation and maintenance software tools 8000. This option simplifies maintenance and servicing, as the complete zone of detectors can be connected to the computer and maintained. A very convenient solution to read and store the operational data of the detectors, such as measured values, pollution, alarm counter and working hours, which is not possible with conventional detectors.

Lower storage costs

Because the ES Detect and the IQ8Quad family are based on the same mechanical technology, they share the same detector base as well as the comprehensive accessories. Thus, space is saved and storage costs are lowered.

Performance features

- → Intelligent, non-addressable detector
- → High quality sensor technology from IQ8Quad
  - Proven quality
  - Intelligent algorithms for fire detection
  - Drift compensation
- → Maximal operating time: eight years instead of five (in accordance to DIN 14675 in Germany)
- → Ready for convenient maintenance with tools 8000
  - Detector remains on the spur
  - Monitoring of pollution, measuring values and alarm counters
  - Storage of the data
- → Large selection of detector types, including multisensor:
  - TM, TME, TD, Optical, OTblue, O^2T
- → Base and accessories same as IQ8Quad
  - Reduced need for space, lower storage costs

Watch the video.

Novar GmbH a Honeywell Company
Dieselstraße 2
41469 Neuss, Germany
Phone: +49 2131 40615-600
Fax: +49 2131 40615-606
www.esser-systems.com
info@esser-systems.com

Part No. D800022.G0
July 2014

ESSER
by Honeywell