

Product information

8008 fire alarm computer

Performance data at a glance

- Modular design, flexible configuration – easy to adapt to changing requirements
- Double safety by optional second CPU
- Up to 40 esserbus® loops
- Simple to install and set up
- Error diagnosis at module level/automatic status analysis/remote diagnosis via PC
- Conforms to all applicable standards and regulations
- Integrated control panel printer; remote printer optional
- esserbus® loop can be combined with spurs:
 - 127 esserbus® users can be grouped into as many as 127 detector zones—for higher reliability, economy of scale and flexibility of planning and application
- Networking of maximum 31 control panels via essernet®



The universal high-tech fire alarm control panel: investment protection, scalability and high-tech

❖ The 8008 fire alarm computer meets the highest safety standards for comprehensive fire monitoring. As a universal fire alarm control panel, it has been designed for large buildings with complex safety needs. The option of a second CPU makes it virtually fault-free. The 8008 conforms to all relevant national and European standards.

Modular design and free configuration makes the 8008 a flexible device which can easily be adapted to changing requirements. This makes individual planning simple while allowing for future expansion.

The esserbus®, a short-circuit and wire-break-tolerant loop system, offers maximum reliability in operation and is a particularly cost-saving investment with reduced wiring by combined loop and spur topology.

Ordering details

Ordering details	Part No.
8008 fire alarm computer:	
Standard type S1 cabinet	768308
19" cabinet	768398
Extension housing S1E	768318
Package 8308	768428
Package 8308 with single zone indicator	768418
Package 8308 with printer	768448
Package 8308 with single zone indicator and printer	768408
Package 8318 with single zone indicator and printer	768438

VdS approval

G 293022

EN licence

G 296046



Configuration for multiple applications

8008 fire alarm computer: Uncompromising safety

Optional second CPU

❖ The core of the 8008 is a powerful 16-bit CPU. The modern hardware and software architecture allows a simple and flexible response to any set of requirements. In certain applications a redundant second CPU is required if more than 512 detectors are connected, to ensure smooth transition in case one CPU fails. This is state-of-the-art security at its best.

Safe even if control panel fails

If the control panel should fail, the monitoring loop routes the fire detection and alarm signals to another point. Even if the power fails, the available back-up battery ensures that the system remains active. The 8008 remains capable of detection beyond normal emergency operation.

Modular concept provides scalability

The 8008 hardware supports up to 40 micromodules. Hence, the system is easy to configure to the needs of different applications.

Ring bus for flexibility and safety

The ring bus technology supports changes to the design and use of the system even after initial set-up. The sensors of individual detectors/zones can be switched on and off manually or by time control. The esserbus® transmits fault and maintenance signals in addition to alarms. Moreover, the exact location of each detector can be indicated on the bus by textual information.

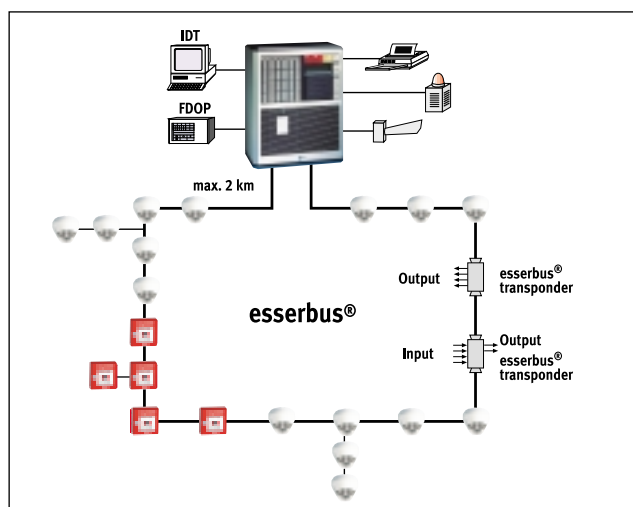
Connects to most advanced detector types

Various detector types can be connected to the 8008 fire alarm computer for all-round protection. Above all, our leading edge multisensor fire detectors offer unsurpassed fire detection in almost every conceivable case.

esserbus®

The esserbus® supports a combination of loops and spurs with up to 127 detectors and esserbus® transponders that can be grouped into as many as 127 detector zones. Even if a wire breaks, all detectors in the loop will be active and functioning. Only the section between two isolators will automatically disconnect.

The esserbus® transponders are bus users with free-programming inputs and outputs to activate and monitor external devices or connect standard or diagnostic detectors.



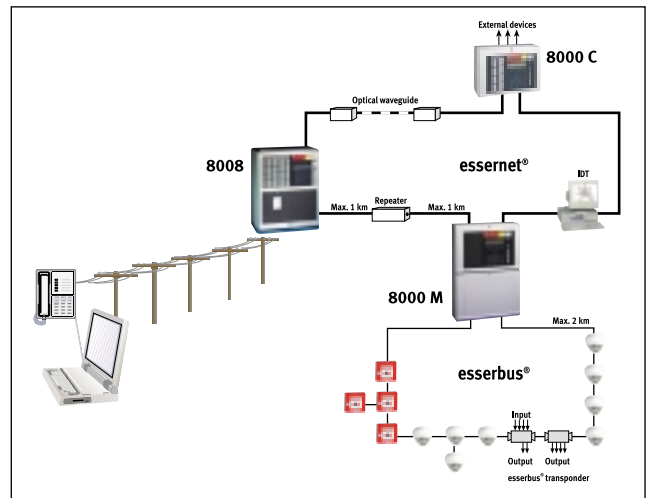
esserbus®

The 8008 identifies automatically the loop wiring and determines the logic addresses of the bus subscribers. No separate setting of addresses in the devices is needed.

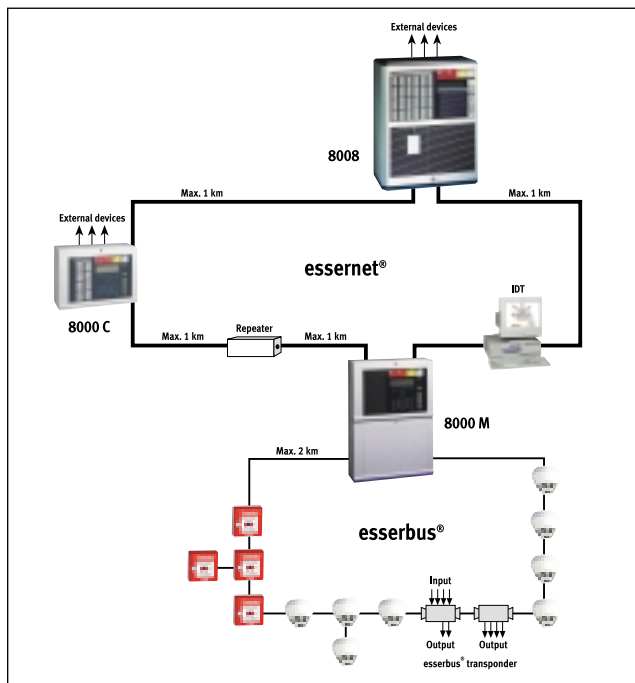
essernet®

The essernet® supports up to 31 devices, such as control panels, indicating and operating panels, gateways and computer-based intelligent display terminals in a non-hierarchical network over great distances.

Messages, such as alarm, trouble, disconnections and other events are available to all panels at any point via essernet®.



Simple central monitoring by remote diagnosis function



essernet®

Simple to install and use

Installation and set-up are as simple as all our products. Installation and set-up tools ensure rapid readiness of the system. Programming is done via PC, connected directly on the control panel.

To make operation easier, all displays contain essential information. The essernet® also supports local devices. Alarm and status information can be displayed optionally by single zone indicator units on the control panel, local graphic panels or text displays or printed on a central printer or several remote printers.

Telediagnostic program (TEDIS)

Unforeseen circumstances often require instant information on the cause of a failure or maintenance case, not allowing exact planning of service missions, manpower requirements and technology deployment in advance. TEDIS solves this problem.

The remote diagnostic program polls and displays all important data on the control panel, and from 31 panels via essernet®:

- all control panel data
- all current status data
- the status of each detector individually
- all customer-specific correlations

Technical data

8008 fire alarm computer

Supply voltage	230 V/50–60 Hz/150 VA
Power supply unit	12 V/7 A
Operating voltage	12 VDC
Quiescent current consumption	Max. 1 A
Current for external consumers	4 A
Emergency power supply	12 V/max. 2 x 40 Ah
Protection class	I DIN EN 60950 A1 and A2
Ambient	R14 DIN 50019
Operating temperature	0 °C to 50 °C
Dimensions (W x H x D)	485 x 619 x 283 mm
Weight	Approx. 26 kg
Protection type	IP 30

Micromodules

Analogue loop module (Part No. 784382)	Single ring line module for up to 127 series 9200 intelligent fire detectors or bus subscribers grouped in 127 zones; approx. 25 mA quiescent current.
4-zone fire alarm module (Part No. 784381)	4-zone card for connection of automatic and/or non-automatic standard or diagnostic fire detectors; approx. 25 mA quiescent current.
Master box interface module (Part No. 784385)	Single MFAB interface module to activate and process feedback and acknowledge signals for MFAB in continuous or intermittent mode; approx. 15 mA quiescent current.
RS232/TTY module (Part No. 784842)	Serial interface module with RS232 or TTY format option, to use with external devices, e.g. IDT, printer, RIP; approx. 35 mA quiescent current with RS232, approx. 55 mA quiescent current with TTY.
3-relay module (Part No. 787531)	3-relay module with output function; programming optionally as NO or NC contact; 3x two-state “watchdog” relay output. Max. switch capacity: 1 A per output, 30 VDC; approx. 5 mA quiescent current.
3-relay common fault module (Part No. 787532)	3-relay module with fixed functions, e.g. common fault, 2x two-state “watchdog” relay output with free programming feature. Max. switch capacity: 1 A/30 VDC; approx. 15 mA quiescent current.
4-relay module (Part No. 787530)	4-relay module with output function; programming optionally as NO or NC contact; approx. 10 mA quiescent current. Max. switch capacity: 1 A per output, 30 VDC; max. 1 A each module.
essernet® ring bus module 62.5 kBd (Part No. 784840)	Network module for max. 31 devices, telephone line (I Y (ST) Y n x 2 x 0.8 mm), max. cable length: 700 m between 2 devices; approx. 170 mA quiescent current.
essernet® ring bus module 500 kBd (Part No. 784841)	Network module for max. 31 devices, cable IBM type 1 or equivalent; max. cable length: 1,000 m between 2 devices; approx. 150 mA quiescent current.

Novar GmbH

Location Neuss:

D-41469 Neuss, Dieselstraße 2
Tel.: +49 (0)2137 171
Fax: +49 (0)2137 17286

Location Albstadt:

D-72458 Albstadt, Johannes-Mauthe-Straße 14
Tel.: +49 (0)7431 8010
Fax: +49 (0)7431 8011220

Internet:

www.novar.de
E-mail:
info@novar.de

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