Product Data Sheet

8000 C fire alarm panel

Features

- Modular configuration
- Up to 31 panels of the fire alarm systems can be networked through essernet®
- High flexibility with regard to every location requirement
- Full system compatibility with all fire alarm panels of the fire alarm system 8000 and IQ8Control
- With powered loop alarm devices become integrated, addressable users, which are supplied with electrical power from the loop planning and application flexibility
- Error check on module level, automatic status analysis, remote diagnosis on PC

The new, economical dimension in fire detection technology: compact, flexible, expandable

The 8000 C fire alarm panel meets the highest safety requirements for comprehensive fire detection. It makes use of proven and trusted technology packaged in a completely innovative modular housing concept. Its compact size, wide range of functions and extension options, together with its attractive price/performance ratio, make the 8000 C an all-round talent when it comes to fire detection for small to medium-sized premises.
The 8000 C has full system compatibility with the fire alarm system 8000 and IQ8Control, but is limited to a maximum of two loops in stand-alone operation.
The modular design of the housing enables fast integration of several individual modules to form a single unit. The system configuration and emergency power supply can be easily adapted to higher requirements by adding one or more modules.
The compact ABS plastic housing is glass fibre-reinforced and conforms to flammability class V 0. It fulfils all EMC requirements.

Professional loop technology - economic sense even for small applications

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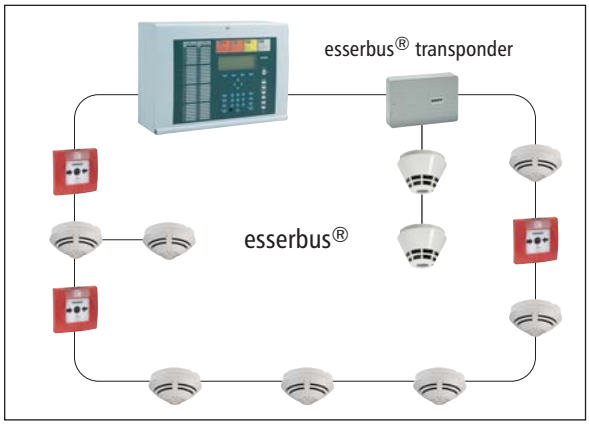
Every single-criterion and multiple-criteria conventional and intelligent detector type can be connected to the 8000 C fire alarm panel through the esserbus®.

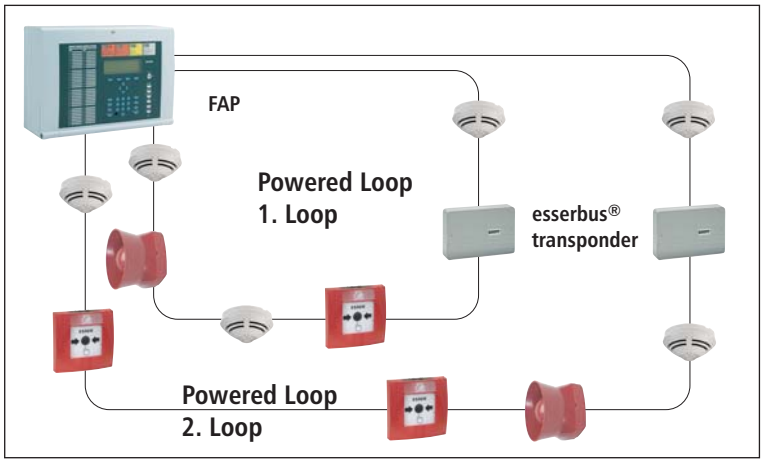


Fire Detection

Flexible and secure in the ring

The esserbus® permits ring and spur loops to be combined without extra components. A maximum of 127 bus users can be assigned to up to 127 detector zones. If a wire break occurs, all loop devices remain alert and functioning. Each bus device can be optionally fitted with isolator circuit boards so that no component is lost if a short circuit occurs. Only the element between the two affected bus users is automatically isolated.

The esserbus® transponders are bus devices with freely programmable inputs and outputs for control and monitoring of external equipment or for connecting conventional or special detectors.



The sensors of intelligent multisensor detectors in the esserbus® can be switched on and off manually or by a timer. The esserbus® transmits not only detector alarm signals but also detector maintenance instruction and warning signals. In addition, the location of each detector on the bus can be accurately assigned with a convenient text display.

The 8000 C fire alarm panel automatically recognises the loop wiring and assigns the logical addresses to all bus devices. There is no need for separate address settings on the bus user itself.

Modular design for upgrading

The hardware of the 8000 C fire alarm panel permits the connection and control of up to two micro-modules and the same number of loops. This means that the individual system configuration for every application can be implemented quickly.

Optional variety of panel front options: the best solution for operator and fire service

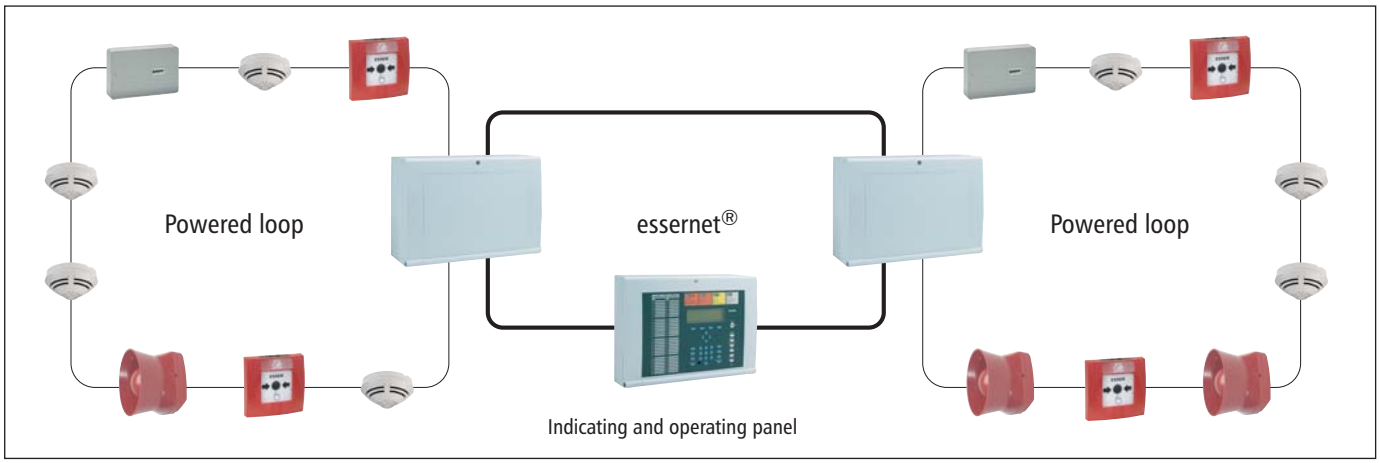
The wide range of operating panel fronts ensures the right solution for any demand the operator or fire service may have and provides the perfect link between man and technology.

The operating panels for the 8000 C fire alarm panel (with display) are available in all common languages. The text is shown on the standard display and on the 1/4 VGA graphics display in the appropriate language.

Simple installation and operation

Both installation and operation are typically simple. The available SW tools and configuration aids ensure that the 8000 C can soon be put into operation. The configuration data is transmitted directly to the processor by PC (notebook).

All displays concentrate on essentials, thereby simplifying operation, which can also be carried out decentrally in the essernet®. Alarm and status information can be optionally shown via single zone indicator units on the panel or on the remote graphic annunciator panels, via repeater displays in text form or printed on central or remote printers.



User-friendly, cost-effective supply concept

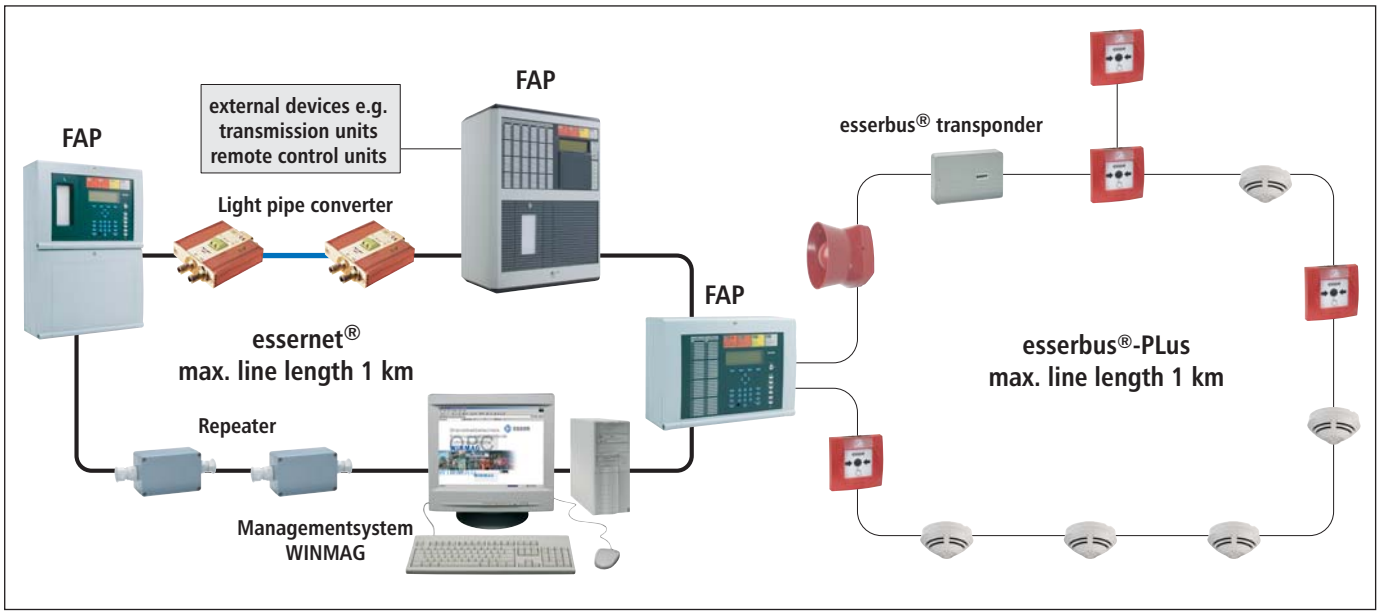
The 8000 C fire alarm panel can also be ordered in different pre-configured packages. Each package comprises an 8000 C fire alarm panel in its housing plus the appropriate front and add-on modules. The packages are supplied fully pre-assembled and tested.

This allows us to equip the 8000 C fire alarm panel with all the components needed to provide maximum flexibility and individuality for all types of premises and applications. The modular housing design allows all external components to be incorporated in uniform housings.

It goes without saying that individual 8000 C housing modules can later be incorporated into existing fire alarm panels in case of special applications or upgrade.

essernet

The 8000 C fire alarm panel is essernet®-compatible. Up to 31 users - e.g. panels, display and control panels, gateways and intelligent display terminals–can be integrated non-hierarchically in a network in the essernet®. Alarms and events are accessible to all essernet® users.



The extra power in powered loop

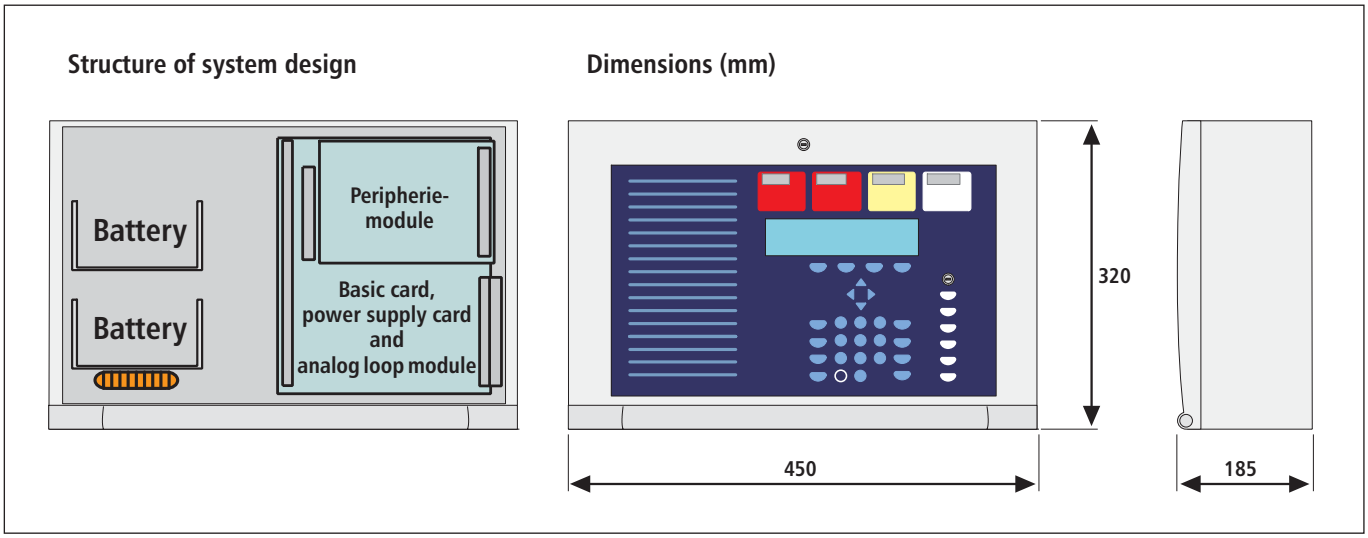
With the powered loop, Novar provides an addressable alarm device and signal base addressable alarm devices and addressable signal bases for fire detectors, which draw the power they need to signal the alarm directly from the power loop 2-wire analog loop. There are no separate power supply cables for alarm devices, no additional power supply units or relay outputs, and none of the associated installation work.

The addressable alarm devices are approved to pr EN 54-3. They support an acoustic warning signal in conformity with DIN 33404 - 3 and three additional, programmable acoustic warning signals. They all include a loop isolator and are therefore short circuit and open circuit resistant. This means that the required E 30 retention of the functional integrity of alarm device cables is unnecessary. Up to 2 powered loop analog loops can be connected to the 8000 C fire alarm panel.

Safety unaffected by failure

If the central processor fails, the monitoring system ensures that the fire alarm and alarm signals are forwarded to an alternative unit. In this way the 8000 C fire alarm panel's detection facility is maintained over and above emergency operation. In case of power failure, batteries ensure that alarms remain unrestrictedly functional for days.

Diagram:



Specifications

Mains voltage:	230 V AC
Mains frequency:	50 to 60 Hz
Rated voltage:	12 VDC
Quiescent current:	300mA without operating module
Rated current:	0.7 A
Emergency power supply:	12 V/2 x 12 Ah, 12 V/max. 2 x 24 Ah
Operating temperatur:	-5°C to + 45°C
Storage temperatur:	-10°C to + 50°C
Room climate:	Class 3K5 according IEC 721-3-3: 1994
Protection class:	I according DIN EN 60590
IP rating:	IP 30
Housing:	ABS, 10% glass fibre-reinforced,. V-0
Colour:	grey, similar to Pantone 538
Weight:	6.5 kg
Dimension (W x H x D):	450 mm x 320 mm x 185 mm
Approval:	VdS-approval G 299044

Order Information:		Part No.
	Fire Alarm Panel 8000 C	788001
	Fire Alarm Panel 8000 C powered loop	808001

Further information is provided in our fire alarm catalogue.

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