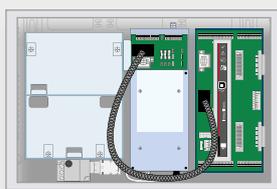


FlexES modular fire alarm system

- Freely configurable functionality of modules used
- Increased availability via emergency redundancy function
- Integral emergency redundancy for up to 48,000 m² or 512 fire detectors
- Interfaces: essernet, USB, Ethernet, RS485, TTY
- Loop-powered alarm signaling unit via esserbus-PLus
- Cascadable power supply up to 450 W in accordance with EN 54-4
- Integrated interfaces for peripheral fire department equipment
- Galvanic isolation of analog loops possible
- Color 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night-mode design, interactive keyboard menu

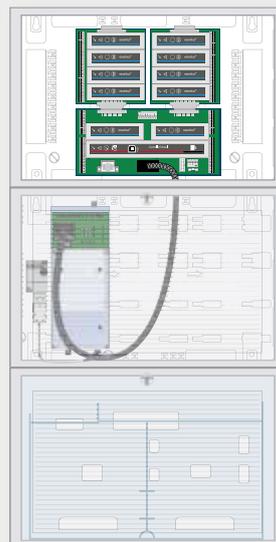


FX2



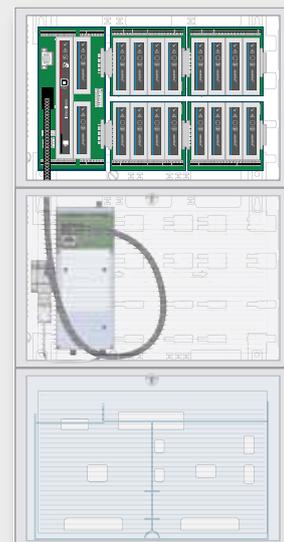
Basic design for setting up a fire alarm control panel with support of 2 modules.

FX10



Basic design for setting up a fire alarm control panel with vertical extension for a maximum of 10 module slots.

FX18



Basic design for setting up a fire alarm control panel with horizontal extension for a maximum of 18 module slots.

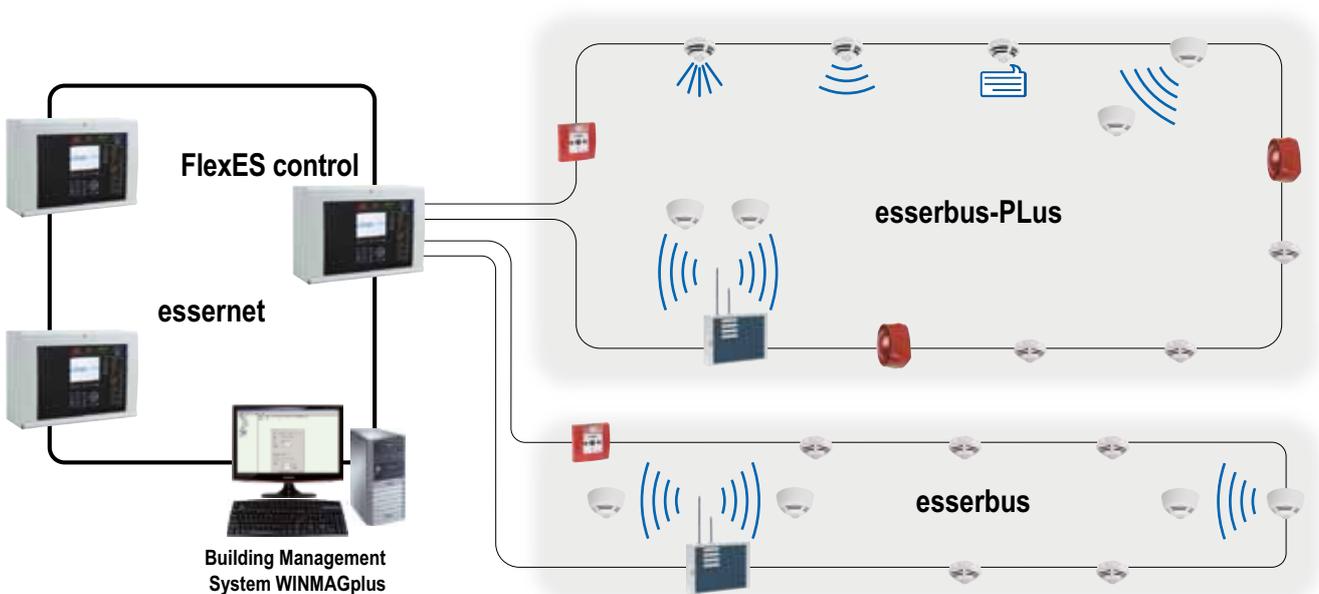
Safety through intuition

The new FlexES control central control unit also brings new features to the display and operating module. With the so-called night-mode design, only operating elements relevant to the function are displayed. This greatly simplifies the user interface, and tests have shown that even untrained users can perform their desired actions quickly thanks to the intuitive display. When in idle mode, the system impresses with its simple elegance, as the focus is on a neutral black front panel, ensuring that the central control unit can also be used readily in places where appearance is an important factor.

Through the use of the latest technology, the display and operating unit features a completely smooth, easy-to-clean surface.

The 5.7" graphic display can display more than just a customer-specific logo in normal mode; in the future, building plans can also be stored there, for example, providing response teams with a quick overview.

The display and operating unit contains five freely programmable function keys. These can be assigned control macros, enabling customer-specific additional functions, even making it possible for the FlexES system to be used outside the area of fire detection technology, for example for light and climate control. The keyboard release via access code means that a key switch is unnecessary.



Redundancy

With the possibility to use a second control module in the FlexES control system in accordance with VdS standards, this system meets the redundancy requirements for monitoring areas that exceed 48,000 m² or contain more than 512 fire detectors, offering the possibility to control one extinguishing area for each loop.



Housing design

The housing for the FlexES control central control unit is available in various different designs. For expanding the system, there are housing types available for the operation of 1 to 18 modules.

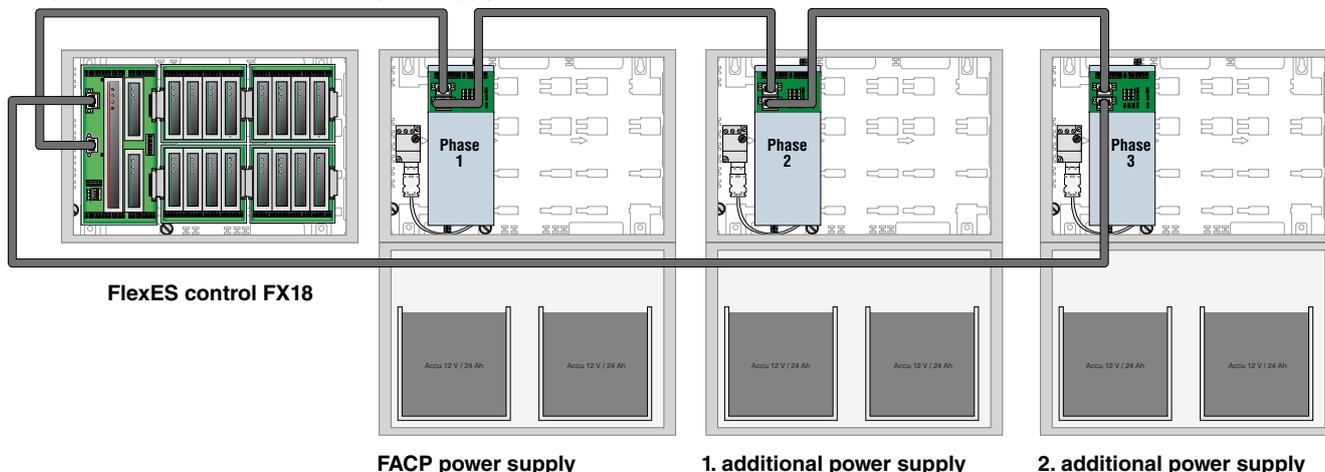
The FlexES control system can be configured as a standalone or network-ready central control unit.

Power supply

By means of “cascading” power supply modules, a maximum power of 450 W with nominal voltage of 24 V can be supplied for each central control unit. Each power supply unit can monitor and track 2 x 2 batteries with 12 V/24 Ah or 12 V/12 Ah as required in order to fulfill the emergency power bridging time requirements. This yields a maximum battery capacity of 24 V/48 Ah per power supply unit, which can be increased up to 144 Ah with three power supply units. In this way, the system has sufficient power reserves for alarm areas, fire protection and display equipment, line-type smoke and heat detectors as well as other system detection and control settings.

In addition, power supply redundancy can be built in by means of looped wiring system. This also enables a “three-phase power supply” (400 V), providing the advantage of individual phase protection for each power supply unit. Even if one phase fails, two additional power supply units will continue to supply the system reliably.

Optional redundant connection of the power supply



Specifications

Nominal voltage	230 V AC	
Nominal frequency	50 ... 60 Hz	
Nominal current	0.8 A	
Output voltage	24 V DC	
Quiescent current	approx. 192 mA (basic configuration without operating module) approx. 348 mA (basic configuration with operating module)	
Current for ext. devices	3 A	
Battery capacity	2 x 24 V/24 Ah	
Ambient temperature range	-5 °C ... 45 °C	
Storage temperature	-10 °C ... 50 °C	
Protection rating	IP30	
Housing	ABS, 10% glass-fiber reinforced, V-0	
Color	Gray, similar to Pantone 538	
Weight FX10/FX18	approx. 15 kg (incl. plain front panel)	FX2 approx. 6.2 kg
	approx. 17 kg (incl. operating module)	FX2 approx. 8.2 kg
Dimensions FX10/FX18	W: 450 mm; H: 960 mm; D: 185 mm	FX2 W: 450 mm; H: 320 mm; D: 185 mm
CE certificate	0786-CPD-20903	
VdS Approval	G 209207	

Order information

Part No.

Basic models including software license

FlexES control FX2	- 2	Analog loops	FX808392 (FX808360 + FX808328.xx)
FlexES control FX10	- 5	Analog loops*	FX808393 (FX808361 + FX808328.xx)
FlexES control FX10	- 10	Analog loops	FX808394 (FX808361 + FX808328.xx)
FlexES control FX18	- 5	Analog loops*	FX808395 (FX808362 + FX808328.xx)
FlexES control FX18	- 10	Analog loops*	FX808396 (FX808362 + FX808328.xx)
FlexES control FX18	- 18	Analog loops	FX808397 (FX808362 + FX808328.xx)

Components

Part No.

Redundant control module	FX808328.RE
Display and operating module – 5.7" display	FX808324
Plain front panel	FX808325
Expansion module carrier 1 with 4 module slots	FX808322
Expansion module carrier 2 with 4 module slots	FX808323
esserbus / esserbus-Plus module	FX808331
esserbus / esserbus-Plus module GI	FX808332
essernet module, 62.5 kBd	FX808340
essernet module, 500 kBd	FX808341

Power supply

Power supply unit extension, 24 V/12 Ah	FX808363
Power supply unit extension, 24 V/24 Ah	FX808364
3-way connector for cascading power supply modules	FX808330

*Further expansion via optional expansion module carriers.

For further order information, please refer to our FlexES product catalog.

The necessary batteries are located in one or more expansion housing units.

Either the FX808324 display and operating unit or the FX808325 plain front panel must be ordered separately.

Expansion including 1 x power supply module, 1 x PS connection module, 1 x housing rear panel, 1 x control module, 1 x housing frame, and 1 x basic module carrier.

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