Cerberus ECO FS18 - enjoy protecting

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Event Brow Help Login

System is normal
FS18 English Version

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Ala	Act	Cfm	Trl	Sup	Dis	Oth	Tot	Mode: Auto
0	0	0	0	0	0	0	0	User: L1

Supervision

ALARM

Acknowledge/Silence

Reset

Main Power

System Trouble

Battery

Trouble

Disable

Auto

Activation

Test

Manual

Confirmation

NAC Disable

NAC Activation

NAC Trouble

Answers for infrastructure.

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Cerberus ECO FS18 - enjoy protecting

Lives and businesses deserve reliable protection from the risk of fire, and in Siemens' Cerberus ECO FS18 you can benefit from such protection by the system's exceptionally smart and powerful fire detection product series. Cerberus ECO FS18 has specifically been designed with small to medium premises in mind - including commercial buildings, hotels, shopping arcades, residential and a host of similar enterprises.

With more than 160 years of Siemens fire safety expertise to draw upon, Cerberus ECO FS18 incorporates key state-of-the-art global technologies that are second to none. The products and system adopt simple maintenance and operation design concepts in order to keep installation and commissioning as straightforward as possible. Cerberus ECO FS18 delivers dependable fire detection and alarm signalling, while maximising the protection of individuals, buildings and assets.

ECO product range - Smart and designed for simple installation and maintenance

■ Designed for simple installation, maintenance and operation (SIMO design concept)

Tailored for the needs of users in small to medium sized businesses for simple, cost-efficient protection, Cerberus ECO FS18 has adopted simple installation, maintenance and operation design concepts for the products and system that take into account the complete working cycle of installers and users.

■ International quality product

Cerberus ECO FS18 has been specially developed by a dedicated SMART R&D team based in China, a strong centre of competency for SMART products (Simple, Maintenance-friendly, Affordable, Reliable, Timely-to-market). This ECO product series incorporates key state-of-the-art global technologies and system architecture, while complying with Siemens' high quality standards.

■ Complete product range - A wide range of applications

Cerberus ECO FS18's compact and complete range of cost-efficient fire safety products - tailor-made to protect your staff, buildings and assets - comprises fire detectors as well as control panels and peripheral equipment such as manual call points, and input and output modules. Cerberus ECO FS18 is the reliable choice for a wide range of applications whether they are for commercial buildings, hotels, shopping arcades, commercial, residential or similar enterprises.

■ Putting you first - Service is part of the package

Siemens recognises that pre-sales and after-sales services are essential for reliable fire detection products, which is why Cerberus ECO FS18 comes with a series of valuable service offerings for both installers and users. To support users to effortlessly install and operate the system, Siemens offers a customer hotline, e-training, and quick and reliable logistics.

■ Powerful networking

Cerberus ECO FS18 installation grows with you. So should you want to extend or convert your building, Cerberus ECO FS18 installation can be easily expanded.
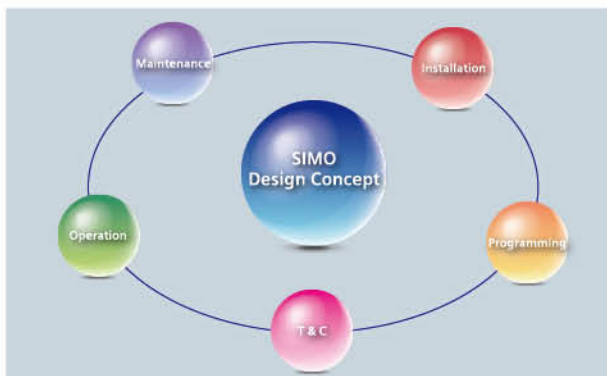
■ Free wiring topology

Cerberus ECO FS18 enables you to achieve higher cost-effectiveness by optimising installation and maintenance costs via free wiring topology.

■ Smart devices - Innovative features

Devices in the Cerberus ECO FS18 product series are equipped with numerous powerful features for easy installation and commissioning. The dust and dirt compensation feature and 'Sticker method' installation for detectors, 360-degree viewable alarm indicator, PC-free commissioning on panel with large easy-to-read LCD monitor, and easy-to-use menu button on panel, are just some of the innovative features of this system.

Highlights

■ Reliable product – incorporates key state-of-the-art global technologies and Siemens' high quality standards

■ High cost-effectiveness – affordable by small to medium sized businesses

■ Smart design – for simple installation, maintenance and operation

■ User-friendly operation – expandable and compatible with future developments

FC18 Control Panel Range

Highly user-friendly panel range

A new range of control panels (FC18) with three panel options - FC1820 (≤ 252 points), FC1840 (≤ 504 points) and FC186x (504 - 1,512 points) - are offered in the highly user-friendly Cerberus ECO FS18 product series, which makes installation, operation, integration and maintenance easier than ever.

Cerberus ECO FS18 provides the flexibility you need for system expansion, modernisation and backward-compatibility innovation, and enables you to achieve higher cost-effectiveness by optimising installation and maintenance costs with flexible wiring technology. This new panel range supports from one loop to eight loops, stub on loop as well as star style field bus topology and free polarity wire connection. Each panel can monitor and operate from 252 to 1,512 devices and enables networking with up to 16 panels.

Programming - PC or Panel

The Cerberus ECO FC18 control panel range supports programming via PC or panel. Equipped with a large 320 x 240 pixels LCD monitor, programming work is rapid and accurate.

Easy-to-use - Menu button on panel

An easy-to-use menu button is available on the FC18 control panel range. Testing, commissioning, configuration, event management, monitoring and report handling are all easily accomplished by simply pushing the menu button to call out the user-friendly pull-down menu.

Flexibility - File handling

Cerberus ECO FS18 incorporates a series of features to support flexible file handling to reduce commissioning costs:
- Configuration file can be exported to and imported from Excel file.
- No re-configuration / re-download of configuration file necessary following firmware version updates.
- 'Combined file download tool' for firmware and configuration file.
- 'Download & Upload priority' enables uninterrupted download and upload process.
- History record can be uploaded from panel to PC to accommodate 'Expandable archiving' .
- 'Customer report' file with information on all devices mounted on site can be exported.

Easy programming and commissioning

Innovative tools and functions to simplify and reduce the time for programming work, such as:
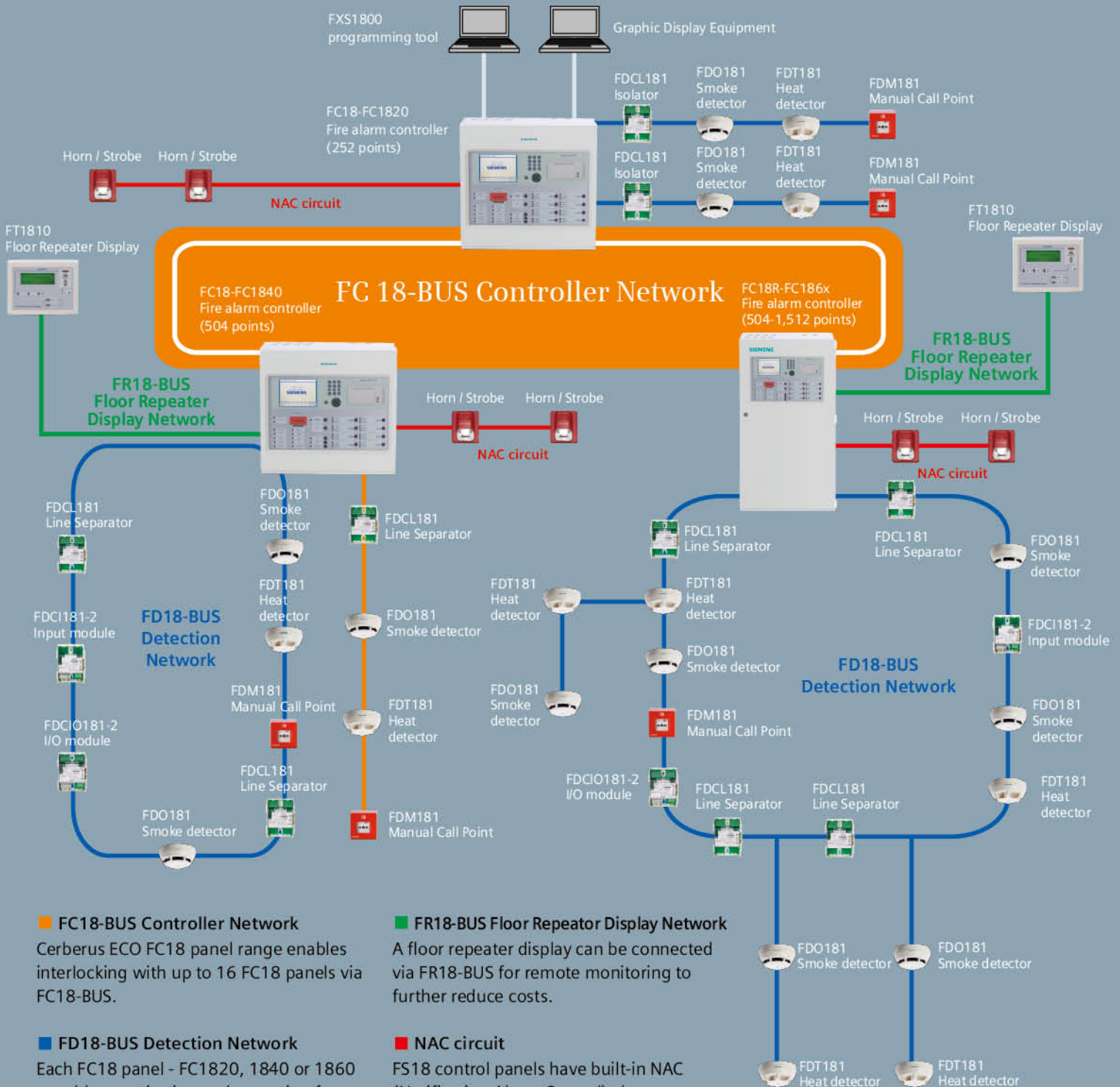- 'Unique ID code' for each peripheral enables easy localization and lifecycle identity.
- 'Logical expression name' to enhance readability.
- 'Group programming' function to simplify logic relations.
- 'Multi-device-select' function enables assignment of multiple devices in one group.
- 'System copy & paste' function for easy merging of configurations by different technicians.

FD181 device range

■ Complete range of devices

A complete range of devices (FD181) are offered in the Cerberus ECO FS18 fire detection product series, including smoke and heat detectors. Dual-channel input module and dual-channel input/output module with open/short circuit monitoring, floor repeat terminal for easy access of alarm information, re-settable manual call point, and an isolator module are also provided as part of the comprehensive package.

■ Logical 'Sticker method' installation

The detectors are designed for easy commissioning by logical 'Sticker method' installation. Each detector has a unique device ID sticker attached at the back that can be positioned on project drawings for quick and accurate testing and commissioning.

■ Protective caps and dust/dirt compensation

Two eye-catching protective caps in yellow and red are available for the protection of detectors during the installation period. Together with a dust/dirt compensation feature, greatly facilitate smoother installation work and reduce costs.

Highlights

■ Complete range of devices with smart designs

■ Logical 'Sticker method' installation via unique device ID sticker

■ Detector protective caps and dust compensation feature facilitate smoother installation and reduce costs

Cerberus ECO FS18 – System overview

Powerful control panels, smart detectors and complete peripheral devices.
Cerberus ECO FS18 fire detection product series supports powerful networking
and provides a smart choice for reliable protection.

FC18-BUS Controller Network

Cerberus ECO FC18 panel range enables interlocking with up to 16 FC18 panels via FC18-BUS.

FR18-BUS Floor Repeator Display Network

A floor repeater display can be connected via FR18-BUS for remote monitoring to further reduce costs.

FD18-BUS Detection Network

Each FC18 panel - FC1820, 1840 or 1860 - enables monitoring and operating from 252 to over 1,512 devices via FD18-BUS. This new panel range supports from one loop to eight loops configuration, stub on loop as well as star style field bus topology and free polarity wire connection.

NAC circuit

FS18 control panels have built-in NAC (Notification Alarm Control) alarm output. It can be directly connected to notification alarm devices such as horn or strobe.

Cerberus ECO FS18 at a glance

	Control panels		
Type	FC1861 / FC1862 / FC1863	FC1840	FC1820
Description	Fire alarm controller	Fire alarm controller (504 points)	Fire alarm controller (252 points)
Features	Loop, stub on loop or star style field bus topology, free polarity wire connection, interlocking up to 8 panels, easy- to-use menu button, programmable from PC or Panel		
	2 loops / 4 loops / 6 loops 504 devices / 1,008 devices / 1,512 devices	2 loops, 504 devices	1 loop, 252 devices

	Addressable detectors	
Type	FDO181	FDT181
Description	Smoke detector (with protective red cap)	Heat detector (with protective yellow cap)
Features	Easy commissioning by 'Sticker method' installation, with dust compensation	

	Floor repeater display	Resettable manual call point
Type	FT1810	FDM181
Description	Floor Repeater Display	Manual Call Point
Features	Connected via FR18-BUS for remote monitoring	With reset function

	Addressable modules		
Type	FDCI181-2	FDCIO181-2	FDCL181
Description	Input module	I/O module	Line Separator
Features	Dual-channel Input	Dual-channel Input/Output	-

Answers for infrastructure.

Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious port-folio of products, systems, solutions and services for low voltage power distribution and electrical installation technology, building automation, fire safety and security, ensures the:
– optimum comfort and highest energy efficiency in buildings,
– safety and security for people, processes and assets,
– increased business productivity.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

www.siemens.com/buildingtechnologies