

SIEMENS



Cerberus FIT conventional system

Combining intelligent signal processing and easy installation
for reliable fire detection and alarming



Reliable, intelligent and cost-efficient fire detection

Flexible panels, reliable detectors and a range of peripheral devices – Cerberus FIT comprises all you need for comprehensive fire detection.

A smart solution for fire protection

Fire protection is all about protecting people and assets as well as securing business processes and continuity. With Cerberus™ FIT, we offer reliable and cost-efficient fire protection for various applications.

Secure overall system

With approved system devices coming from one supplier you can be sure that everything has been designed to work perfectly together and when that supplier is Siemens you can feel confident that it will stay that way.

The flexibility of the panels allows the system operation to be optimized for each application. The complete range of detectors means that fast reliable detection can be provided in every area.

Easy control

The FC120 fire control panel lies at the heart of the Cerberus FIT conventional system. Intuitive operation buttons and

informative display indication ensure quick and easy operation. Furthermore, system testing can be performed with confidence using clear, concise controls and indicators.

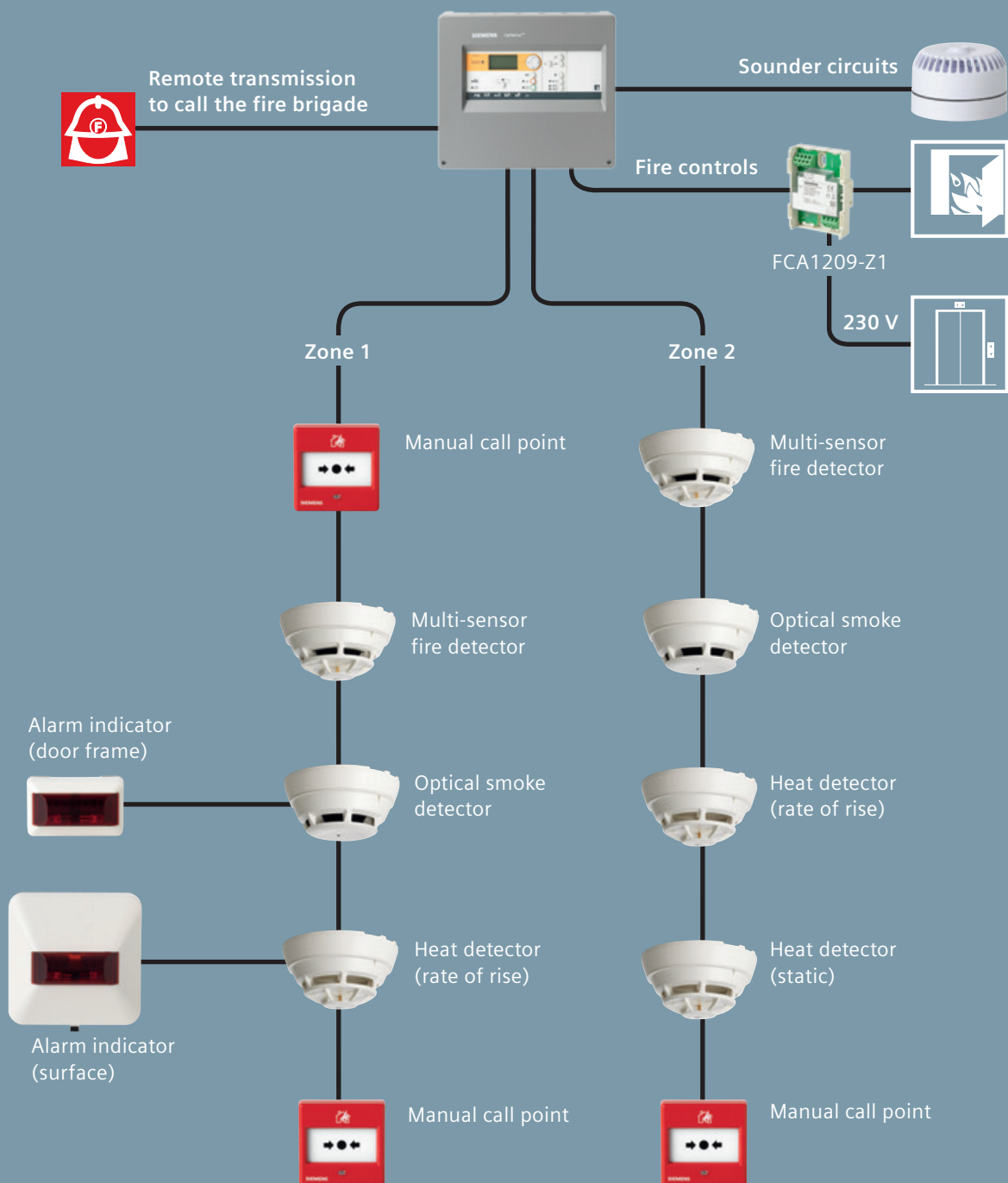
Highest reliability and long life cycle

The Cerberus FIT conventional detectors utilize intelligent algorithm technology to quickly and accurately detect fires while minimizing false alarms. The patented labyrinth coupled with drift compensation extends the lifespan of the detectors by countering the buildup of dust and dirt.

When a detector reaches its compensation limits, a yellow LED indication tells the user it is time to exchange the device in order to avoid future instability. A green wiring check LED helps locate wiring faults and therefore significantly reduces fault finding costs and downtime. In short, Cerberus FIT provides safe, reliable and convenient detection with low lifetime costs.

Cerberus FIT conventional system overview

Cerberus FIT provides reliable detection and intelligent signal processing. FC120 allows different alarm processing per zone which results in less installation effort. The system is easy to plan and install. This brief overview shows the most important system components.



The system components at a glance

2-zone panel FC121-ZA



- Sounders, fire brigade: 2x supervised circuit (DC 24 V/500 mA)
- Fire controls: 1 relay output (DC 24 V/1 A)
- Free programmable inputs: 2x
- Battery capacity: 2x 12 V up to 7.2 Ah (for up to 72 h battery backup)
- Options: output card FCA1203-Z1 (2 supervised/2 relay outputs), output module (230 V) FCA1209-Z1

4-zone panel FC122-ZA



- Sounders, fire brigade: 2x supervised circuit (DC 24 V/500 mA)
- Fire controls: 1 relay output (DC 24 V/1 A)
- Free programmable inputs: 2x
- Battery capacity: 2x 12 V up to 7.2 Ah (for up to 72 h battery backup)
- Options: output card FCA1203-Z1 (2 supervised/2 relay outputs), output module (230 V) FCA1209-Z1

8-zone panel FC123-ZA



- Sounders, fire brigade: 2x supervised circuit (DC 24 V/1 A)
- Fire controls: 1 relay output (DC 24 V/1 A)
- Free programmable inputs: 3x
- Battery capacity: 2x 12 V up to 17 Ah (for up to 72 h battery backup)
- Options: zone indicator field FTO1202-Z1, 2x output card FCA1203-Z1 (2 supervised/2 relay outputs), output module (230 V) FCA1209-Z1

12-zone panel FC124-ZA



- Sounders, fire brigade: 2x supervised circuit (DC 24 V/1 A)
- Fire controls: 1 relay output (DC 24 V/1 A)
- Free programmable inputs: 3x
- Battery capacity: 2x 12 V up to 17 Ah (for up to 72 h battery backup)
- Options: zone indicator field FTO1202-Z1, 3x output card FCA1203-Z1 (2 supervised/2 relay outputs), output module (230 V) FCA1209-Z1

FC120 control panels are a cost-efficient solution for small to medium-sized buildings. You benefit from quick and easy installation and little maintenance. They are compatible with the Cerberus 110-series detectors from Siemens.

Benefits at a glance

- 2 – 12 zones for up to 32 devices per zone
- Manned/unmanned operation
- Differentiation of manual and automatic alarm origin in the same zone without separate wiring
- Code or key switch user access
- Clear, comprehensive indication and controls for easy customer operation
- Country-specific programmable functions
- Clock, alarm counter and event memory storing up to 1,000 events with time and date

Optical smoke detector OP110	Manual call point FDM1101-RP-RG
 <ul style="list-style-type: none"> – For the detection of smoke-generating smoldering fires – Typical applications: offices, corridors, stairwells 	 <ul style="list-style-type: none"> – Resettable plastic element – Flush mounting possible – For immediate activation of a fire alarm
Multi-sensor fire detector OH110	Alarm indicators
 <ul style="list-style-type: none"> – For the detection of flaming fires caused by the combustion of liquid – Typical applications: hotel bedrooms, production areas 	 <ul style="list-style-type: none"> – Quickly indicates alarm signal from detectors that are not easily accessible or visible – Suitable for wall mounting – Suitable for door frames
Heat detector rate of rise HI110	Sounder beacons
 <ul style="list-style-type: none"> – For areas having high levels of dust, dirt or moisture – Typical applications: parking garages, workshops (harsh environments) 	 <ul style="list-style-type: none"> – For use where low current consumption is a key consideration – Ideal for areas with high ambient noise – Suitable for wall mounting
Heat detector static HI112	Sounders
 <ul style="list-style-type: none"> – For areas having high levels of dirt or temperature fluctuation – Typical applications: kitchens, boiler rooms 	 <ul style="list-style-type: none"> – For general signaling and fire alarm use – 32 different tones
Detector base DB110	Beacons
 <ul style="list-style-type: none"> – Standard detector base for all 110-series point detectors for fast and easy installation 	 <ul style="list-style-type: none"> – For visual alarming – Suitable for wall mounting – Suitable for ceiling mounting

Utilizing the intelligent algorithm technology from Siemens, the Cerberus FIT conventional detectors provide fast and reliable detection. Peripherals like manual call points or alarm sounders complement the portfolio.

Benefits at a glance

- Increased safety with fast and reliable detection
- Designed to reduce installation time and costs
- Low lifetime costs due to drift compensation and patented labyrinth

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The information in this document contains general descriptions of 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. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.

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Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”

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