

Smart infrastructure combines the real and digital worlds across energy systems, buildings and industries, enhancing the way people live and work and significantly improving efficiency and sustainability.

We work together with customers and partners to create an ecosystem that both intuitively responds to the needs of people and helps customers achieve their business goals.

It helps our customers to thrive, communities to progress and supports sustainable development to protect our planet for the next generation.

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SIEMENS

# SMART PROTECTION MATTERS

## Cerberus FIT FC360 –

### Planning Tool

## Cerberus FIT FC360 – addressable fire control panels

### 1-loop panels

- 1 loop or 2 stubs
- Number of addresses: max. 126



**Fire control panel (1L, Compact) FC361-ZZ**  
– Housing: 402x372x132 mm  
– Batteries: max. 2x 12 V, 12 Ah  
Order no.: S54433-C112-A1



**Fire control panel (1L, Comfort) FC361-ZA**  
– Housing: 402x372x211 mm  
– Batteries: max. 2x 12 V, 25 Ah  
Order no.: S54433-C111-A1

### 2-loop panels

- 2 loop or 4 stubs
- Number of addresses: max. 252



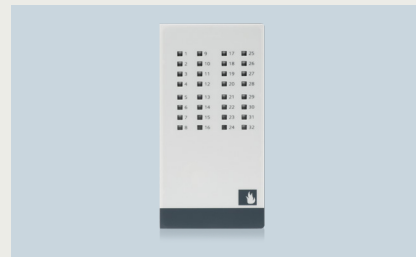
**Fire control panel (2L, Compact) FC362-ZZ**  
– Housing: 402x372x132 mm  
– Batteries: max. 2x 12 V, 12 Ah  
Order no.: S54433-C119-A1



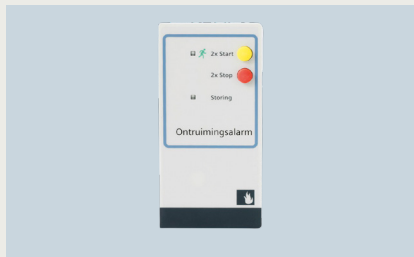
**Fire control panel (2L, Comfort) FC362-ZA**  
– Housing: 402x372x211 mm  
– Batteries: max. 2x 12 V, 25 Ah  
Order no.: S54433-C120-A1

- Shared properties**
- Total current capacity: max. 2.5 A
  - 4 programmable inputs/outputs (DC 24 V/max. 0.1 A and 0.2 A in total)
  - 3 programmable potential-free relay outputs (DC 60 V/max. 2.0 A)
  - 2 collective sounder circuits (DC 24 V/max. 0.5 A)
  - Auxiliary power output (DC 24 V/max. 0.2 A)

### Options



**LED indicator (32 zones) FTO3603-Z1**  
– Visual fire zone indication  
– Up to 32 fire zones  
Order no.: S54433-B118-A1



**Evacuation module (NL) FTO3601-H1**  
– Special option for The Netherlands  
– Independent control of EVAC zone  
– Acc. NEN 2575  
Order no.: S54433-B116-A1



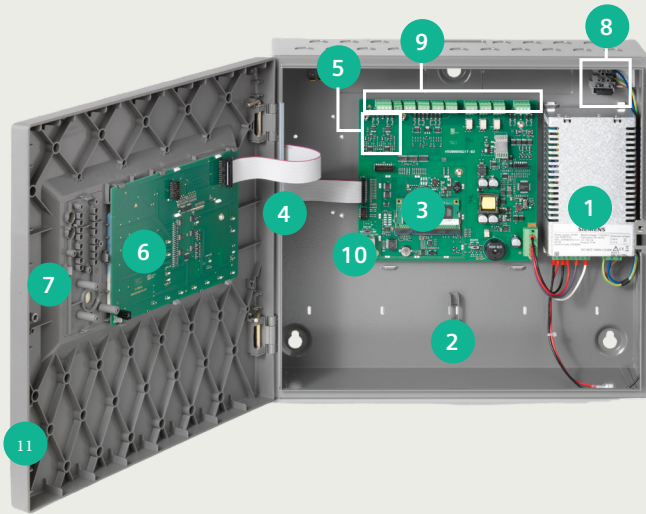
**Key switch FCA3601-Z1**  
– Standard key switch to provide level 2 (user) access on panel  
Order no.: S54433-N113-A1



**Key switch (Nordic) FCA3603-Z1**  
– Special key switch (Nordic) to provide level 2 (user) access on panel  
Order no.: S54433-N115-A1

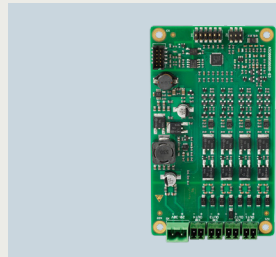
## Control unit

### Hardware components

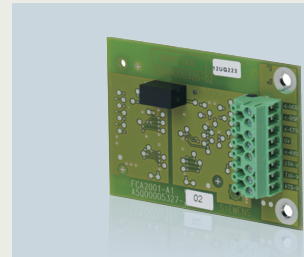


#### Legend

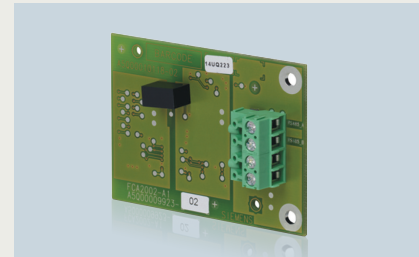
- 1 Power supply
- 2 Space for batteries
- 3 Mainboard
- 4 Output card (4M) (optional)
- 5 Space for RS232/485 module (optional)
- 6 User interface (PMI)
- 7 Space for options:
  - Evacuation module (NL)
  - LED indicator (32 zones)
  - Key switch/key switch (Nordic)
- 8 Mains fuse
- 9 Main board connectors:
  - 2 collective sounder circuits
  - 24 V auxiliary outputs
  - 4 programmable inputs/outputs
  - 3 programmable relay outputs
  - Loop connector
- 10 Ethernet connector
- 11 Detachable door



**Output card (4M) FCA3603-Z1**  
– 4 configurable monitored outputs (DC 24 V)  
– Output current per output: 1.0 A  
– Max. current of output card: 2.0 A  
Order no.: S54433-A114-A1



**RS232 module (isolated) FCA2001-A1**  
– Communication module for peripheral devices with RS232 interface (e.g. event printer DL3750+)  
Order no.: A5Q00005327



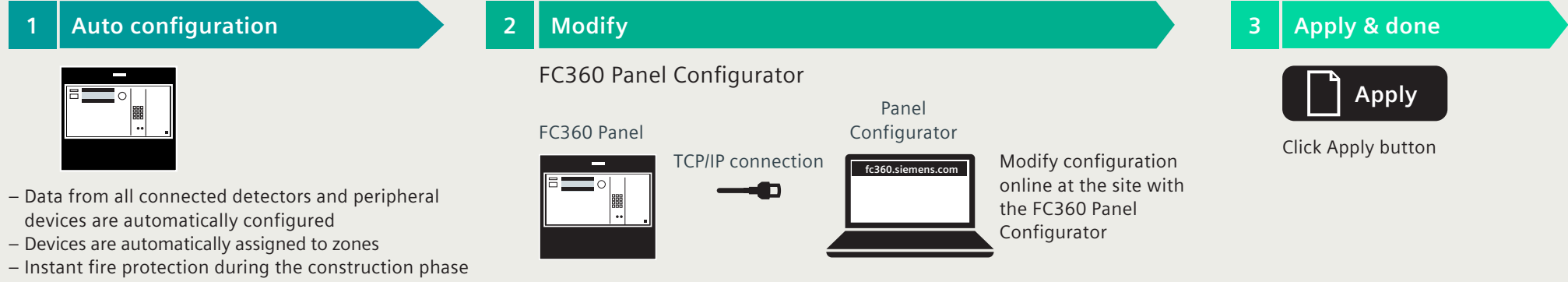
**RS485 module (isolated) FCA2002-A1**  
– Communication module for peripheral devices with RS485 interface  
Order no.: A5Q00009923

Note: Unit can be powered from the integral power supply or from an additional external power supply.

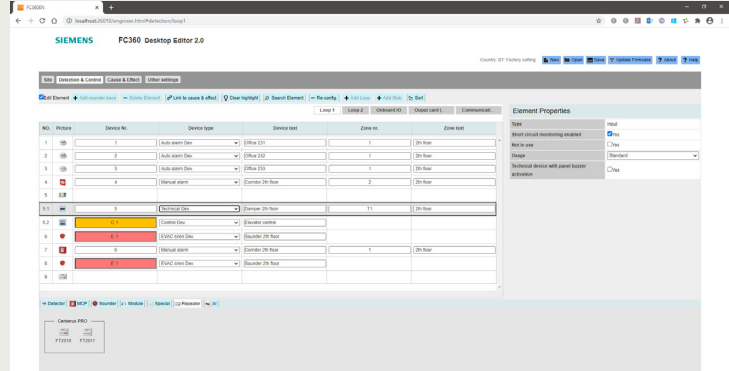
## FC360 Panel Configurator (online)

### Panel configuration in three easy steps.

The online tool is used to configure the panel on site. The panel has an integrated Web server that can be accessed with a Web browser. No additional software is needed. The TCP/IP connection to the panel is established via the Web address [fc360.siemens.com](http://fc360.siemens.com).

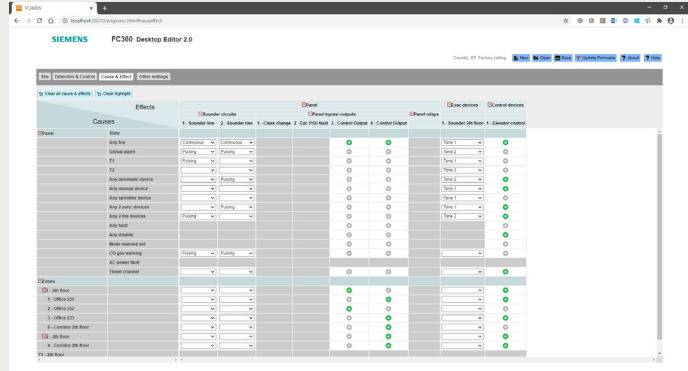


### Detection and control view



The FC360 configuration tool is simple to understand and use. The connected devices are listed in a table in their order of wiring, allowing the user to easily visualize the devices as installed. Outputs and sounders can be assigned into one of 32 control or evacuation zones and an appropriate description text (e.g. "door release") can be added for more clarity.

### Cause and effect matrix



Most systems require all alarming devices and control outputs to operate with any fire. This operation is available by default. Where more complex controls are required, the FC360's unique cause-and-effect matrix makes any required changes easy and logical.

### FC360 Desktop Editor (offline)

The FC360 Desktop Editor is a tool for viewing the system's configuration offline as well as making text or cause-and-effect changes.

In addition, the tool provides installers with self-learning opportunities where they can create their own "virtual" system. This quickly builds solid expertise and experience and reduces training costs and effort.

Download the FC360 Desktop Editor



## Alarming highlights

In the event of a fire it is essential to alert and evacuate people as fast as possible. A wide product portfolio range offers alarm devices for acoustic and optical alarming. All devices are loop powered and constantly monitored.

### Sounder

The sounder creates an acoustic alarm signal in case of an event. All devices offer a broad range of tone patterns. The acoustic perception is outstanding because all tones are synchronized.

- Certified for acoustic alarming according EN 54-3
- 3 different sound levels are selectable (minimum / medium / maximum)
- 16 integrated tone patterns

### Voice

The devices with voice messages are able to play a precise voice instruction for different events in the building. With help of a voice message, the evacuation process is faster and the building occupants receive clear instructions.

- Certified for acoustic alarming according EN 54-3.
- Languages (15 integrated, 2 customizable)
- Message categories (3 predefined): EVAC FIRE, EVAC EMERGENCY, TEST

Tone Voice message Voice message (optional)

**Languages (15 integrated, 2 customizable)**

- English
- German
- French
- Italian
- Spanish
- English UK
- Dutch
- Swedish
- Norwegian
- Finnish
- Danish
- Polish
- Portuguese
- Turkish
- Russian
- Custom language 1
- Custom language 2

**Customer-specific voice message**

1. Order the service "Conversion of voice message FDSS227" to create a customer-specific audio library
2. Order customer-specific devices (...C) with custom audio library ID

### Beacon

Addressing two senses – an optical and an acoustical signal – speeds up the alert and evacuation process. We increase the awareness of the optical signal with a high flash intensity and a very short pulse length. The device has multiple options for brightness which can be adjusted according to the room size.

- Certified for optical alarming according EN 54-23
- Additional light intensity setting (supplementary optical indication) designed for system extensions or migration.

**Wall devices**

Category W – wall mounting

| White LED      | Red LED         |
|----------------|-----------------|
| High: W-3.2-10 | High: W-2.8-8.8 |
| Mid: W-2.4-7.5 | Mid: W-2.4-7.5  |
| Low: O-2-6.2   | Low: O-2-6.2    |

O = Open category; Wall mounted, cubic coverage as category W

**Ceiling devices**

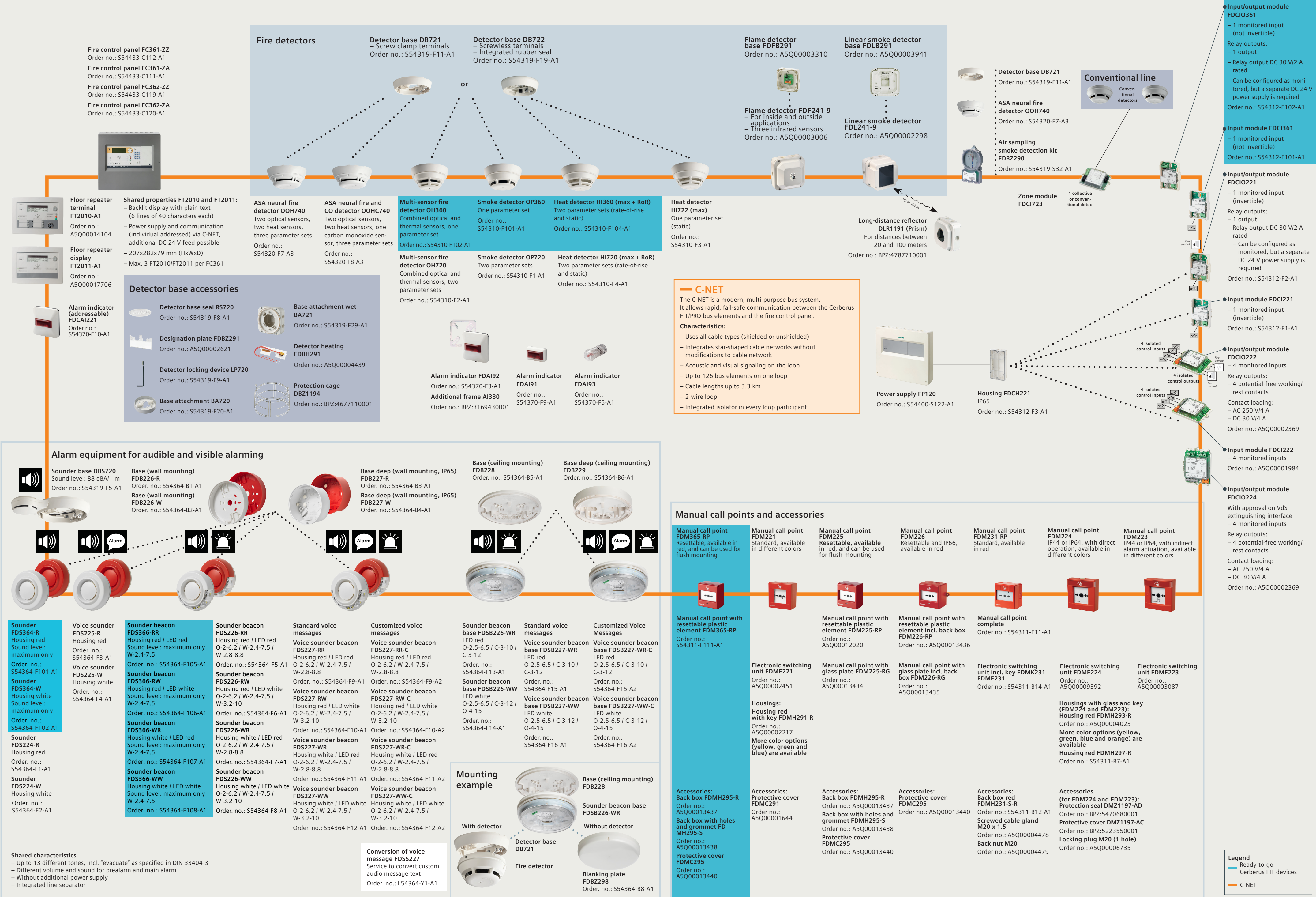
Category C – ceiling mounting

| White LED      | Red LED        |
|----------------|----------------|
| High: O-4-15   | High: C-3-12   |
| Mid: C-3-12    | Mid: C-3-10    |
| Low: O-2.5-6.5 | Low: O-2.5-6.5 |

O = Open category; Ceiling mounted, cylindrical coverage as category C



Cerberus FIT FC360 – compatible C-NET devices



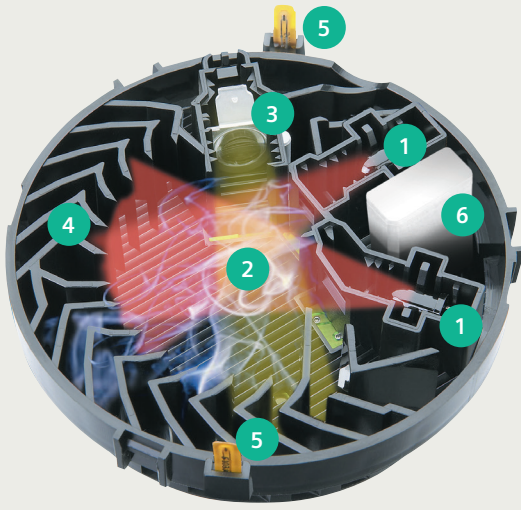
Cerberus FIT FC360 – application examples



Benefits at a glance

- 1. Maximized fire safety**
  - Reliable and early detection
  - LPCB approved to EN 54-2, EN 54-4, EN 54-13
  - Fast and safe evacuation with voice sounders
- 2. Easy to use**
  - Auto-configuration (plug & play)
  - License free engineering tool
- 3. Cost and time efficient**
  - Training efforts reduced
  - Faster engineering with pre-configured devices and build-in engineering tool

ASA parameter sets for diverse application areas



**Faster fire detection with ASA technology**

Heat detectors are needed in many areas due to the potential for false alarms. However, heat detection provides significantly less protection. The ASA neural fire detector OOH740 with its dual optical chamber design allows advanced smoke detection to be offered where others can only offer heat detection.

- 1 Two IR light sources
- 2 Dispersion of light rays by smoke particles
- 3 IR receiver
- 4 Patented labyrinth
- 5 Temperature sensors
- 6 CO sensor for OOH740

Contact your local sales office for more information or application support.

Selectable parameter sets

- Fast Response**
  - Areas where speed of detection is the priority and where there are few false alarm sources
  - EN 54-27-approved detection for air-handling ducts in conjunction with air sampling smoke detection FDBZ290
- Balanced**
  - Provides a good balance between effective smoke detection and false alarm resistance
  - Ideal for spaces where transitory false alarm sources are expected
  - Application examples: standard hotel and nursing home bedrooms
- Suppression**
  - Areas requiring smoke detection where a high number of false alarm sources may be expected, including steam, cooking, cigarette smoke, aerosols, welding, etc.
  - Application examples: kitchens, workshops
- Separate CO sensor**
  - Provides fire-independent detection of toxic carbon monoxide due to incomplete oxidation from exhaust gases, defective gas heating, cooking appliances or chemical and production-related processes
  - Application examples: hotel garages, nursing homes, shared housing