



Cerberus FIT FC360 – Planning Tool

siemens.com/cerberus-fit

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

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.

Cerberus FIT FC360 – addressable fire control panels

The compact panels

- Housing: 402x372x132 mm
- Batteries: max. 2x 12 Ah
- FC361-YZ with LED indicator (16 zones)



FC361-ZZ
Order no.: S54433-C112-A1

FC361-YZ
Order no.: S54433-C110-A1

The comfort panels

- Housing: 402x372x211 mm
- Batteries: max. 2x 25 Ah
- FC361-YA with LED indicator (16 zones)



FC361-ZA
Order no.: S54433-C111-A1

FC361-YA
Order no.: S54433-C109-A1

Shared properties

- Total current capacity: max. 2.5 A
- 1 loop or 2 stubs
- Number of addresses: max. 126
- 4 programmable inputs/outputs (24 VDC/max. 0.1 A and 0.2 A in total)
- 3 programmable potential-free relay outputs (60 VDC/max. 2.0 A)
- 2 collective sounder circuits (24 VDC/max. 0.5 A)
- Auxiliary power output (24 VDC/max. 0.2 A)

Options



**LED indicator (16 zones)
FTO3602-Z1**
– Visual fire zone indication
– Up to 16 fire zones
Order no.: S54433-B117-A1

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

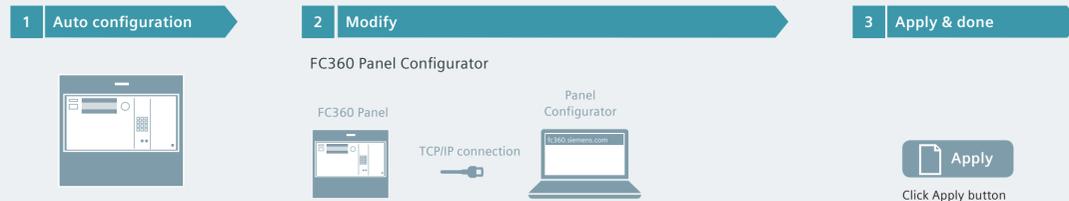
**Key switch
FCA3601-Z1**
– Standard key switch to provide level 2 (user) access on panel
Order no.: S54433-N113-A1

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

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.



- Data from all connected detectors and peripheral devices are automatically configured
- Devices are automatically assigned to zones
- Instant fire protection during the construction phase

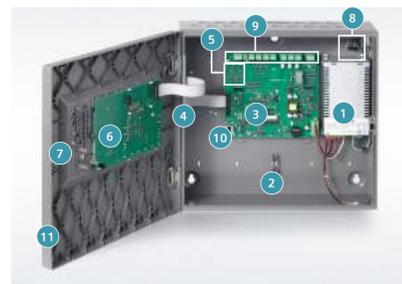
Modify configuration online at the site with the FC360 Panel Configurator

Highlights

- No additional software required
- Direct and instant programming on site
- Clear and easy-to-understand cause-and-effect matrix
- Configuration file can be backed up on PC

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 (16 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)
FCA3602-Z1**
– 4 configurable monitored outputs (24 VDC)
– 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

**Output module (230V)
FCA1209-Z1**
– 1 output with potential-free relay contacts
– Control of fire ventilation, air conditioning, elevators, doors, control installations, etc.
– Operating current (quiescent): max. 0.1 mA
– Relay output (ohm): 230 VAC, max. 5 A/30 VDC, max. 5 A
Order no.: S54400-B124-A1

**Housing
FCH221
IP65**
Order no.: S54312-F3-A1

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

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 16 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.

Highlights

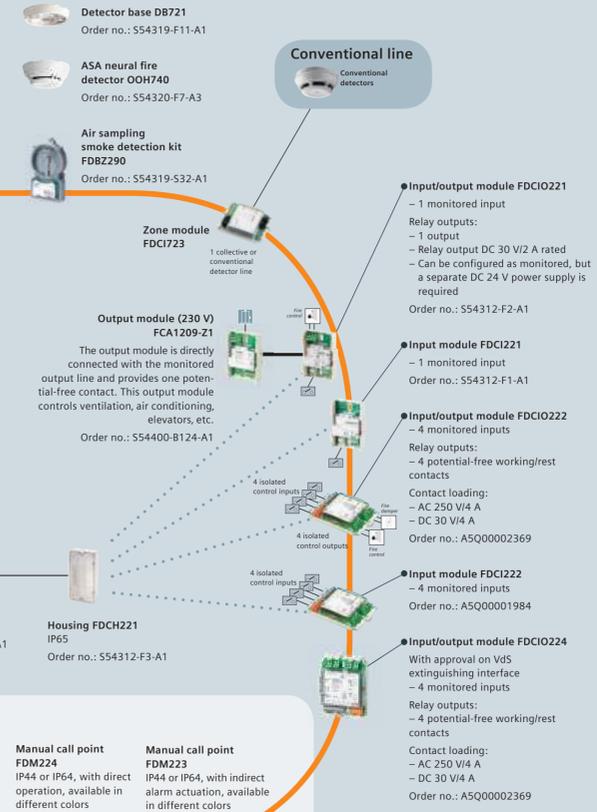
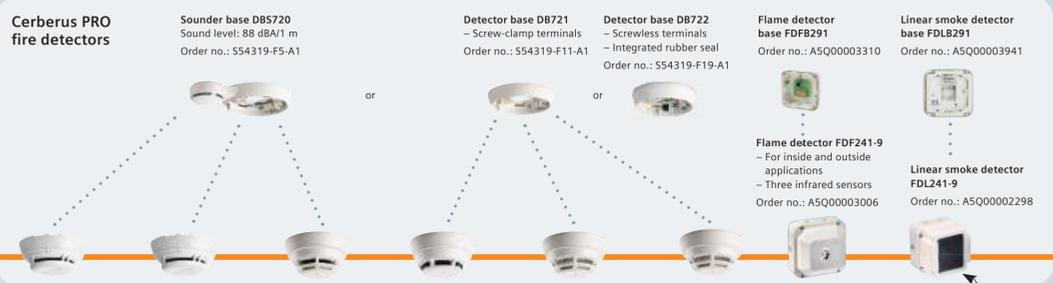
- Offline view of configuration
- Modification of customer text and cause and effect
- Self-learning opportunities by creating a virtual set up

Download
the FC360
Desktop
Editor



Cerberus FIT FC360 – compatible C-NET devices

- Shared properties**
- Total current capacity: max. 2.5 A
 - 1 loop or 2 stubs
 - Number of addresses: max. 126
 - 4 programmable inputs/outputs (24 VDC/max 0.1 A and 0.2 A in total)
 - 3 programmable potential-free relay outputs (60 VDC/max. 2.0 A)
 - 2 collective sounder circuits (24 VDC/max. 0.5 A)
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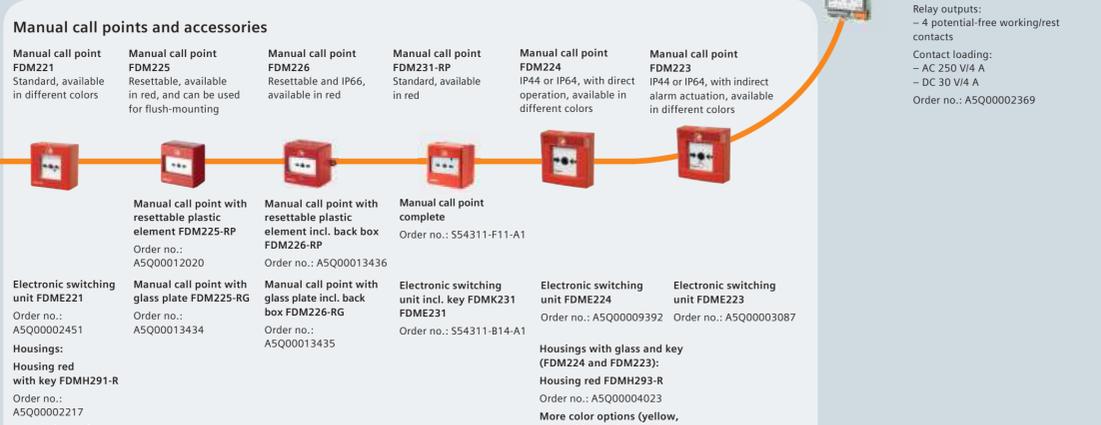
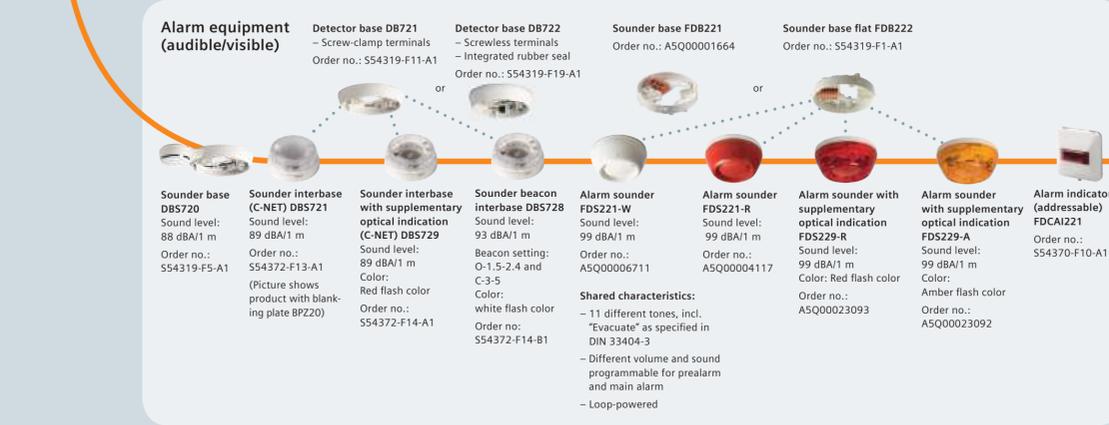
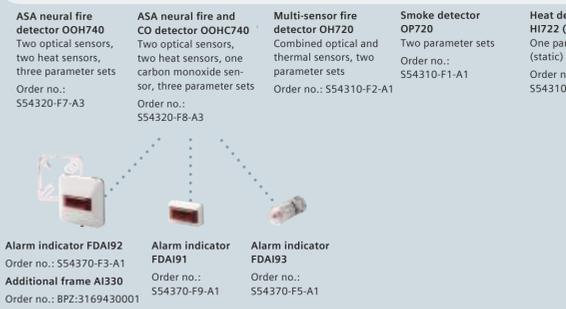


C-NET

The C-NET is a modern, multi-purpose bus system. It allows rapid, failsafe communication between the Cerberus FIT/PRO bus elements and the fire control panel.

Characteristics:

- Uses all cable types (shielded or unshielded)
- Integrate star-shaped cable networks without modifications to cable network
- Acoustic and visual signaling on the loop
- Up to 126 bus elements on one loop
- Cable lengths up to 3.3 km
- 2-wire loop
- Integrated isolator in every loop participant



- Detector base accessories (DB721, DB722)**
- Detector base seal RS720
 - Designation plate FDBZ291
 - Detector locking device LP720
 - Base attachment BA720
 - Base attachment wet BA721
 - Detector heating FDBH291
 - Protection cage DBZ1194

- Sounder interbase accessories (DBS721, DBS728, DBS729 with detector base DB721 or DB722)**
- Interbase seal RS721
 - Blanking plate BP720
 - Designation plate DBZ1193A
 - Detector locking device LP720

- Alarm sounder accessories (FDS221-x, FDS229-x with detector base FDB221 or FDB222)**
- Sealing element FDBZ295
 - Base attachment FDBZ291
 - Base attachment wet FDBZ295
 - Designation plate FDBZ291
 - Designation plate DBZ1193A
 - Detector locking device FDBZ293

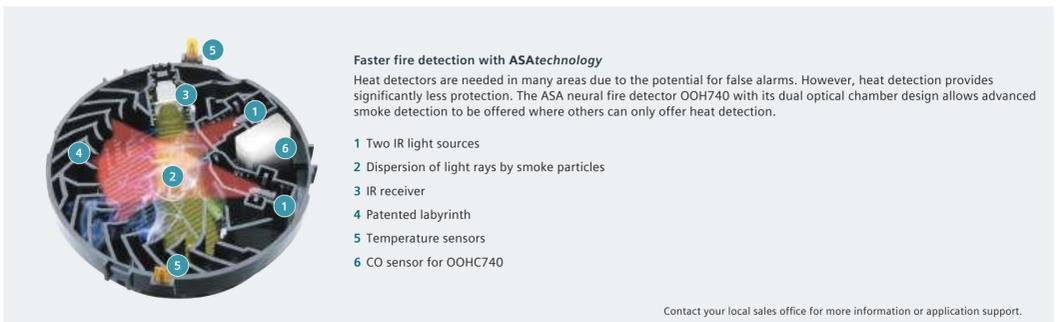
- Manual call points and accessories**
- Manual call point FDM221
 - Manual call point FDM225
 - Manual call point FDM226
 - Manual call point FDM231-RP
 - Manual call point FDM224
 - Manual call point FDM223
 - Electronic switching unit FDM221
 - Manual call point with resettable plastic element FDM225-RP
 - Manual call point with resettable plastic element incl. back box FDM226-RP
 - Manual call point with glass plate FDM225-RG
 - Manual call point with glass plate incl. back box FDM226-RG
 - Electronic switching unit incl. key FDM231
 - Electronic switching unit FDM224
 - Electronic switching unit FDM223

Cerberus FIT FC360 – application examples



- Benefits at a glance**
- **Increased life safety** – backed by fastest, most reliable fire detection and alarming
 - **Satisfied and relaxed occupants/tenants** – never disturbed by false alarms or unnecessary evacuations
 - **Compliant with legal norms and regulations** – LPCB (Loss Prevention Certification Board) approved to EN54 parts 2 and 4 as well as EN54-13 system approval
 - **Low commissioning and maintenance costs** – configuration changes made easy with embedded configuration tool

ASA parameter sets for diverse application areas



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