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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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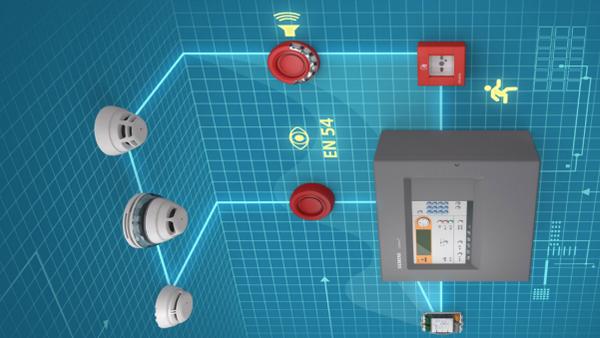
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SIEMENS

Cerberus FIT FC360 –

Planning Tool

SMART PROTECTION MATTERS



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

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.

1 Auto configuration



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

2 Modify

FC360 Panel Configurator



TCP/IP connection



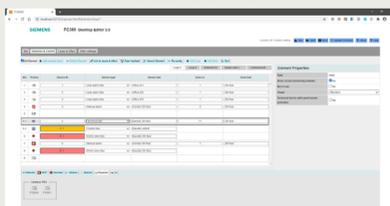
Modify configuration online at the site with the FC360 Panel Configurator

3 Apply & done



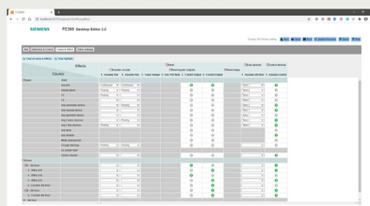
Click Apply button

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.

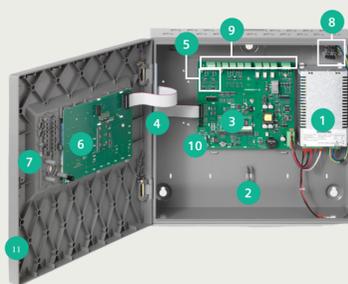
In addition, the tool provides installers with self-learning opportunities where they can create their own "virtual" system. This quickly builds solid expertise and experience and reduces training costs and effort.

Download the FC360 Desktop Editor



Control unit

Hardware components



Legend

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



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.

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 offers 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

Languages (15 integrated, 2 customizable)

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

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

Fire control panel FC361-ZZ
Order no.: S54433-C112-A1

Fire control panel FC361-ZA
Order no.: S54433-C111-A1

Fire control panel FC362-ZZ
Order no.: S54433-C119-A1

Fire control panel FC362-ZA
Order no.: S54433-C120-A1

Fire detectors

Detector base DB721
Screw clamp terminals
Order no.: S54319-F11-A1

Detector base DB722
Screwless terminals
Integrated rubber seal
Order no.: S54319-F19-A1

Flame detector base FDFB291
Order no.: A5Q00003310

Linear smoke detector base FDLB291
Order no.: A5Q00003941

Flame detector FDF241-9
For inside and outside applications
Three infrared sensors
Order no.: A5Q00003006

Linear smoke detector FDL241-9
Order no.: A5Q00002298

Detector base DB721
Order no.: S54319-F11-A1

ASA neural fire detector OOH740
Order no.: S54320-F7-A3

ASA neural fire and CO detector OOH740
Two optical sensors, two heat sensors, one carbon monoxide sensor, three parameter sets
Order no.: S54320-F8-A3

Multi-sensor fire detector OH360
Combined optical and thermal sensors, one parameter set
Order no.: S54310-F102-A1

Smoke detector OP360
One parameter set
Order no.: S54310-F101-A1

Heat detector HI360 (max + RoR)
Two parameter sets (rate-of-rise and static)
Order no.: S54310-F104-A1

Heat detector HI722 (max)
One parameter set (static)
Order no.: S54310-F3-A1

Long-distance reflector DLR1191 (Prism)
For distances between 20 and 100 meters
Order no.: BPZ:4787710001

Zone module FDCI723
1 collective or conventional detector

Shared properties FT2010 and FT2011:
Backlit display with plain text (6 lines of 40 characters each)
Power supply and communication (individual addressed) via C-NET, additional DC 24 V feed possible
207x282x79 mm (HxWxD)
Max. 3 FT2010/FT2011 per FC361

Floor repeater terminal FT2010-A1
Order no.: A5Q00014104

Floor repeater display FT2011-A1
Order no.: A5Q00017706

Alarm indicator (addressable) FDCAI221
Order no.: S54370-F10-A1

Detector base accessories

Detector base seal RS720
Order no.: S54319-F8-A1

Base attachment wet BA721
Order no.: S54319-F29-A1

Designation plate FDB2291
Order no.: A5Q00002621

Detector heating FDBH291
Order no.: A5Q00004439

Detector locking device LP720
Order no.: S54319-F9-A1

Base attachment BA720
Order no.: S54319-F20-A1

Alarm indicator FDAI92
Order no.: S54370-F3-A1

Alarm indicator FDAI91
Order no.: S54370-F9-A1

Alarm indicator FDAI93
Order no.: S54370-F5-A1

Additional frame AI330
Order no.: BPZ:3169430001

Protection cage DBZ1194
Order no.: BPZ:4677110001

Alarm equipment for audible and visible alarming

Sounder base DB5720
Sound level: 88 dBA/1 m
Order no.: S54319-F5-A1

Base (wall mounting) FDB226-R
Order no.: S54364-B1-A1

Base (wall mounting) FDB226-W
Order no.: S54364-B2-A1

Base deep (wall mounting, IP65) FDB227-R
Order no.: S54364-B3-A1

Base deep (wall mounting, IP65) FDB227-W
Order no.: S54364-B4-A1

Base (ceiling mounting) FDB228
Order no.: S54364-B5-A1

Base deep (ceiling mounting) FDB229
Order no.: S54364-B6-A1

Sounder FDS364-R
Housing red
Sound level: maximum only
Order no.: S54364-F101-A1

Voice sounder FDS225-R
Housing red
Order no.: S54364-F3-A1

Sounder FDS364-W
Housing white
Sound level: maximum only
Order no.: S54364-F102-A1

Sounder FDS224-R
Housing red
Order no.: S54364-F1-A1

Sounder FDS224-W
Housing white
Order no.: S54364-F2-A1

Sounder beacon FDS366-RR
Housing red / LED red
Sound level: maximum only
W-2.4-7.5
Order no.: S54364-F105-A1

Sounder beacon FDS366-RW
Housing red / LED white
Sound level: maximum only
W-2.4-7.5
Order no.: S54364-F106-A1

Sounder beacon FDS366-WR
Housing white / LED red
Sound level: maximum only
W-2.4-7.5
Order no.: S54364-F107-A1

Sounder beacon FDS366-WW
Housing white / LED white
Sound level: maximum only
W-2.4-7.5
Order no.: S54364-F108-A1

Sounder beacon FDS226-RR
Housing red / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F5-A1

Sounder beacon FDS226-RW
Housing red / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F6-A1

Sounder beacon FDS226-WR
Housing white / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F7-A1

Sounder beacon FDS226-WW
Housing white / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F8-A1

Standard voice messages

Voice sounder beacon FDS227-RR
Housing red / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F9-A1

Voice sounder beacon FDS227-RW
Housing red / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F10-A1

Voice sounder beacon FDS227-WR
Housing white / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F11-A1

Voice sounder beacon FDS227-WW
Housing white / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F12-A1

Customized voice messages

Voice sounder beacon FDS227-RR-C
Housing red / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F9-A2

Voice sounder beacon FDS227-RW-C
Housing red / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F10-A2

Voice sounder beacon FDS227-WR-C
Housing white / LED red
O-2.6.2 / W-2.4-7.5 / W-2.8-8.8
Order no.: S54364-F11-A2

Voice sounder beacon FDS227-WW-C
Housing white / LED white
O-2.6.2 / W-2.4-7.5 / W-3.2-10
Order no.: S54364-F12-A2

Mounting example

With detector: Detector base DB721, Fire detector

Without detector: Base (ceiling mounting) FDB228, Sounder beacon base FDSB226-WR, Blanking plate FDBZ298, Order no.: S54364-B8-A1

Conversion of voice message FDS5227
Service to convert custom audio message text
Order no.: L54364-Y1-A1

C-NET

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

Characteristics:

- Uses all cable types (shielded or unshielded)
- Integrates 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

Power supply FP120
Order no.: S54400-S122-A1

Housing FDC221 IP65
Order no.: S54312-F3-A1

Manual call points and accessories

Manual call point FDM365-RP
Resettable, available in red, and can be used for flush mounting
Order no.: S54311-F11-A1

Manual call point FDM221
Standard, available in different colors
Order no.: ASQ00012020

Manual call point FDM225
Resettable, available in red, and can be used for flush mounting
Order no.: ASQ00013437

Manual call point FDM226
Resettable and IP66, available in red
Order no.: ASQ00013436

Manual call point FDM231-RP
Standard, available in red
Order no.: S54311-F11-A1

Manual call point FDM224
IP44 or IP64, with direct alarm actuation, available in different colors
Order no.: ASQ0009392

Manual call point FDM223
IP44 or IP64, with indirect alarm actuation, available in different colors
Order no.: ASQ00003087

Manual call point with resettable plastic element FDM365-RP
Order no.: S54311-F11-A1

Manual call point with resettable plastic element FDM225-RP
Order no.: ASQ00013434

Manual call point with resettable plastic element incl. back box FDM226-RP
Order no.: ASQ00013435

Manual call point complete
Order no.: S54311-F11-A1

Manual call point with resettable plastic element incl. key FDM224
Order no.: ASQ0009392

Manual call point with resettable plastic element incl. key FDM223
Order no.: ASQ00004023

Housings with glass and key (FDM224 and FDM223):
Housing red FDMH293-R
Order no.: ASQ00004023

More color options (yellow, green, blue and orange) are available
Housing red FDMH297-R
Order no.: S54311-B7-A1

Accessories:
Back box FDMH295-R
Order no.: ASQ00013437
Protective cover FDMC291
Order no.: ASQ0001644

Accessories:
Back box FDMH295-R
Order no.: ASQ00013437
Back box with holes and grommet FDMH295-S
Order no.: ASQ00013438
Protective cover FDMC295
Order no.: ASQ00013440

Accessories:
Back box FDMH295-R
Order no.: ASQ00013437
Protective cover FDMC295
Order no.: ASQ00013440

Accessories:
Back box FDMH295-R
Order no.: S54311-B12-A1
Screwed cable gland M20 x 1.5
Order no.: ASQ00004478
Back nut M20
Order no.: ASQ00004479

Accessories (for FDM224 and FDM223):
Protection seal DMZ1197-AD
Order no.: BPZ:5470680001
Protective cover DMZ1197-AC
Order no.: BPZ:5223550001
Locking plug M20 (1 hole)
Order no.: ASQ00006735

Input/output module FDCIO361
- 1 monitored input (not invertible)
Relay outputs:
- 1 output
- Relay output DC 30 V/2 A rated
- Can be configured as monitored, but a separate DC 24 V power supply is required
Order no.: S54312-F102-A1

Input module FDCI361
- 1 monitored input (not invertible)
Order no.: S54312-F101-A1

Input/output module FDCIO221
- 1 monitored input (invertible)
Relay outputs:
- 1 output
- Relay output DC 30 V/2 A rated
- Can be configured as monitored, but a separate DC 24 V power supply is required
Order no.: S54312-F2-A1

Input module FDCI221
- 1 monitored input (invertible)
Order no.: S54312-F1-A1

Input/output module FDCIO222
- 4 monitored inputs
Relay outputs:
- 4 potential-free working/rest contacts
Contact loading:
- AC 250 V/4 A
- DC 30 V/4 A
Order no.: ASQ00002369

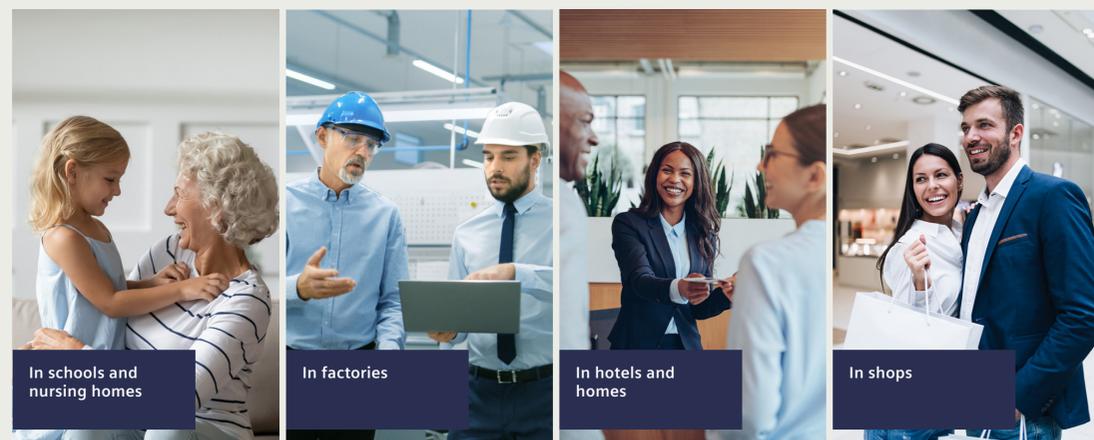
Input module FDCI222
- 4 monitored inputs
Order no.: ASQ00001984

Input/output module FDCIO224
With approval on VdS extinguishing interface
- 4 monitored inputs
Relay outputs:
- 4 potential-free working/rest contacts
Contact loading:
- AC 250 V/4 A
- DC 30 V/4 A
Order no.: ASQ00002369

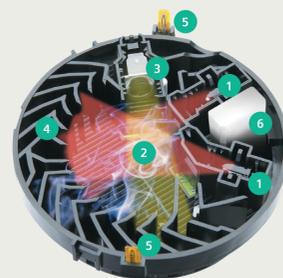
Legend

- Ready-to-go
- Cerberus FIT devices
- C-NET

Cerberus FIT FC360 – application examples



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.

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

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