SIEMENS

Ensuring comprehensive safety with powerful panels

Control panels

Control panels applications
From very simple to complex





Very simple systems

- Audible alarm
- Any alarm causes the whole building to evacuate
- Programming may be limited to customer texts only

Fire brigade calling systems

- Simple audible alarm
- Fire brigade communication concept
- Verification mode when system is manned
- Pre-configured

Plant control

- Plant controls shut off, ventilation systems shut down, doors controlled and lifts returned
- Some plant may only be shut down after a time delay or if fire is detected in a particular area
- Basic cause and effect programming required

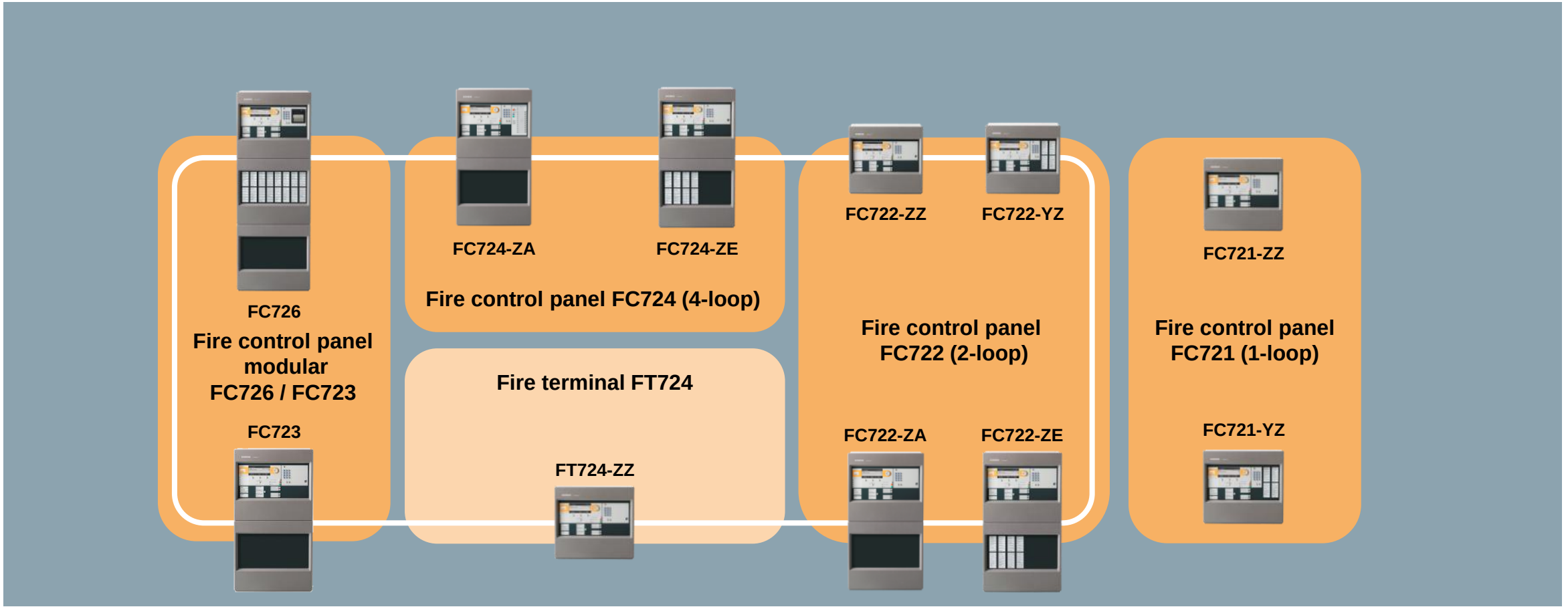
Phased evacuation

- Areas most at risk are evacuated first, followed by adjacent areas
- Phases can be preset via timing functions
- They can also be manually overridden by security staff or fire brigade
- Sophisticated cause and effect programming required

Smoke and fire damper control

- Smoke control systems and fire dampers are activated
- Dampers, smoke controls, ventilation motors etc. are monitored to warn user of any critical device that has failed
- Intensive programming from a complex cause and effect matrix required

The panels at a glance



Creating networks in various sizes

- Very large networks can be realized – thanks to built-in Ethernet technology
- Only one additional network card (SAFEDLINK) per panel has to be added for an EN 54-compliant network
- Unshielded two-wire cable can be used – saving cable cost and simplifying fault finding
- If the system grows above 512 detectors, simply add a second network card to the panel connected to the fire brigade

Operating control panels intuitively for greater comfort

- Simple user interface – intuitive-to-understand operation
- Display of required information in a comprehensible way – whether centrally or locally at floor level
- Visibility can be individually configured – to display tailored messages in selected areas, for example a nursing station
- Customized intervention texts – to facilitate correct actions in the event of an alarm

Cerberus PRO panels
The similarities

- Exceeding EN 54 as every control panel has an integrated degrade mode
- Ensuring safety even in case a control panel should fail
- Easy operation, with uniform, prompted operating concept
- Early protection even during the construction phase – through auto-configuration
- Simple remote operation with Cerberus-Remote
- Seamless integration into danger management systems

Cerberus PRO panels
Graduated performance for numerous requirements

SIEMENS

FC721-ZZ

FC361-YZ

FC721 – The control panel for small installations

- 1-loop, 126 devices
- Small, compact design
- Stress-free, prompted operation
- Optional equipment
  - Key-operated switch in Eco housing

Cerberus PRO panels
Graduated performance for numerous requirements

FC722-ZZ

With optional event printer and
key-operated switch in Standard housing

FC722-YZ

With 24 LEDs in Standard housing

FC722 – The control panel for medium installations

- 2 loops (with 4-loop option), 252 devices
- Small, compact design
- Stress-free, prompted operation
- Various configurations, from 'Standard' to 'Comfort'
- Optional equipment
  - Event printer
  - Key-operated switch
  - 24 to 96 LED display groups

Cerberus PRO FC722
Control panel variants

FC722-ZA

With optional event printer and key-operated switch in Comfort housing

FC722-ZE

With 48 LEDs in Comfort housing

Cerberus PRO panels
Graduated performance for numerous requirements

FC724 – The control panel for larger installations

- 4 loops (with 8-loop option), 504 devices
- A modular housing concept for additional LED indicators, plan compartments, flush or 19" rack mounting
- Optional equipment
  - Event printer
  - Key-operated switch
  - 24 to 96 LED display groups

Cerberus PRO FC724
Control panel variants

FC724-ZA

With optional event printer and key-operated switch in Comfort housing

FC724-ZE

With 48 LEDs in Comfort housing

Cerberus PRO panels
Graduated performance for numerous requirements

FC723 – The control panel for large buildings

- Modular concept: Up to 12 loops and 756 addresses (modular housing)
- Basic: 2 loops (with 4-loop option), 252 devices
- Card cage for 2 additional modules
  - Line card (C-NET) for 252 devices
  - Line card for 512 SynoLOOP devices
  - I/O card, 12 programmable inputs/outputs
- Optional equipment
  - Event printer
  - Key-operated switch
  - 24 to 48, 96 LED display groups

Cerberus PRO panels
Graduated performance for numerous requirements

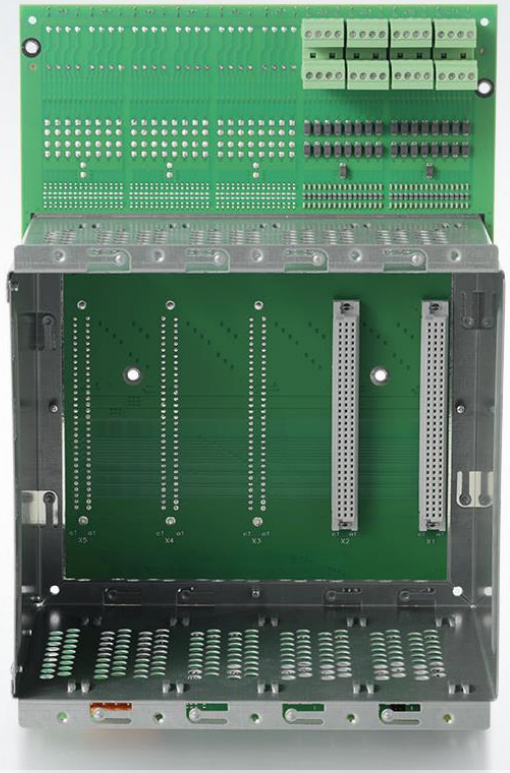
FC726 – The control panel for very large buildings

- Modular concept: Up to 28 loops and 1512 addresses (modular housing)
- Basic: 4 loops (with 8-loop option), 504 devices
- Card cage for 5 additional modules
  - Line card (C-NET) for 252 devices
  - Line card for 512 SynoLOOP devices
  - I/O card, 12 programmable inputs/outputs
- Optional equipment
  - Event printer
  - Key-operated switch
  - 24 to 48, 96 LED display groups

Cerberus PRO FC723 & FC726

Module bus cards with hot plug capabilities

Card cage for FC723



For 2 additional modules

Card cage for FC726

For 5 additional modules

Cerberus PRO FC723/FC726
Module bus cards with hot plug capabilities

Line card (C-NET) FCL2001-A1

For 252 C-NET devices on 4 loops or 8 stubs

Line card (SynoLOOP) FCL7201-Z3

For 128 SynoLOOP devices per loop or stub (for 4 loops or 4 stubs)

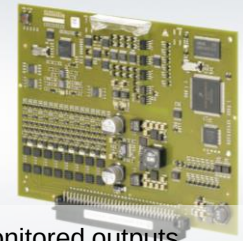
I/O card (RT) FCI2007-A1

For alarm and fault transmission

I/O card (program-mable) FCI2008-A1

12 programmable inputs/outputs with defined behavior in degrade mode

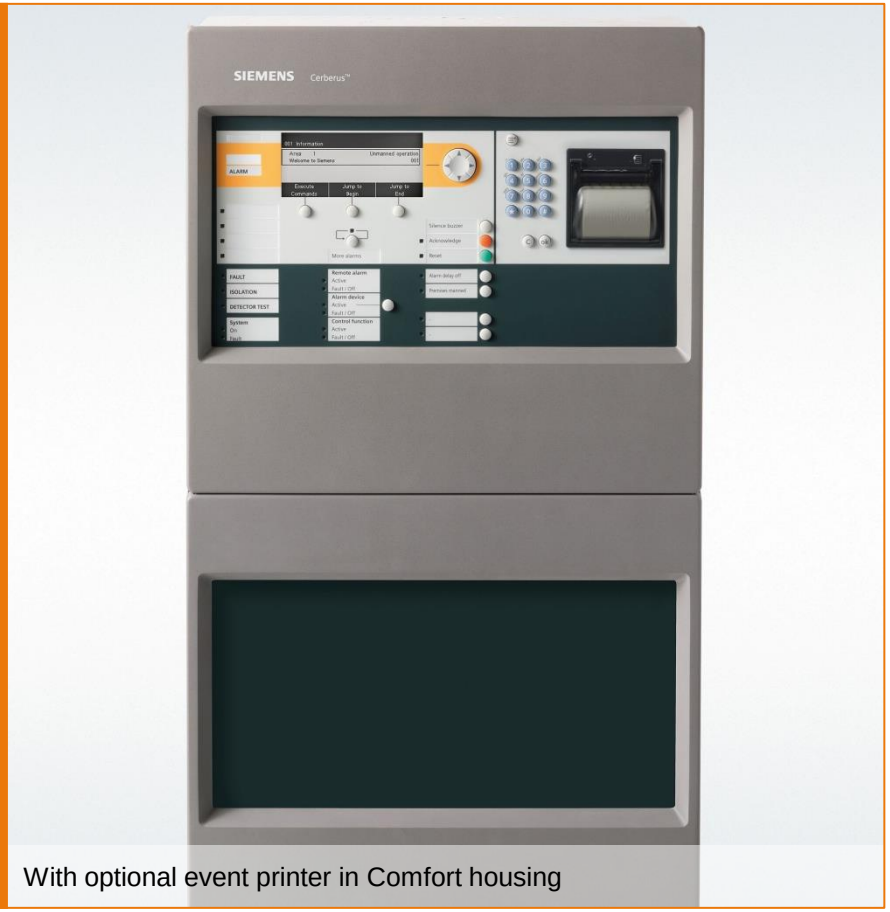
I/O card (horn/ monitored) FCI2009-A1



8 monitored horn lines or monitored outputs

Cerberus PRO FC726
Control panel variants

FC726-ZA



With optional event printer in Comfort housing

FC726-ZA

With 96 LEDs in Comfort housing

FT724 – The fire terminal for remote operation

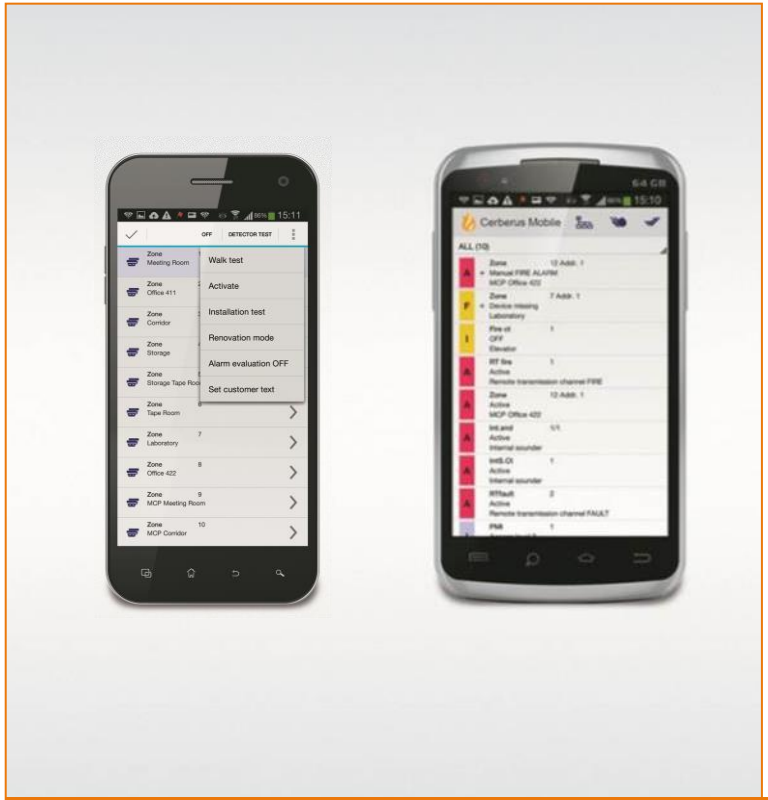
- Flat Eco housing
- Mirrors the display and functions of a control panel
- For adding further operating terminals some distance away from the control panels – for example in the security monitoring room or reception area
- Standby terminal in case the control panel should fail

Summary technical details Cerberus PRO panel range

	Equipment	FC721	FC722	FC724	FC723	FC726
The variants	Concept	Compact	Compact	Compact	Modular	Modular
	C-NET loops	1 (126 addresses)	2 (252 addresses)	4 (504 addresses)	2 (252 addresses)	4 (504 addresses)
	C-NET loops (with loop extension)	–	4 (252 addresses)	8 (504 addresses)	Up to 122) (756 addresses)	Up to 28[3)] (1512 addresses)
	Emergency power supply	Up to 72 h[1)]	Up to 72 h[1)]	Up to 72 h	Up to 72 h	Up to 72 h
	Integrated I/O	4	8	12	12	12
The features	• Ethernet interface for easy connection • Floor repeater terminals on the C-NET • Remote access allows central operation via Ethernet using Cerberus-Remote • Modular housing for attractively expanding system as requirements grow					
The options	• Event printer • EN 54 network module • LED indicator • Key switch • Expandable power supply up to 150 W, 300 W • Modular housing concept • 19" rack and flush mountable • FAT over RS485 interface • Loop extension (FC722, FC723, FC724, FC726) • For FC723 / FC726: Line cards (C-NET and SynoLOOP), I/O cards					

1) Extra housing 2) With card cage for 2 add. modules
3) With card cage for 5 add. modules

Cerberus Mobile[1)]
Fast remote intervention from anywhere



Complete system access remotely – with same functionalities as installed terminal

Mobile intervention management – immediate reaction in case of an event, wherever you are

Events grouped by category – allows easy selection of information

Quick access to all commands – including alarm operation, zone isolation, fault intervention, etc.

Optimized alarm organization – saves time and resources

Real time access to information – clear overview of system status

Fast remote intervention

1) Available for tablet and smart phone with Android

Thank you for your Attention!