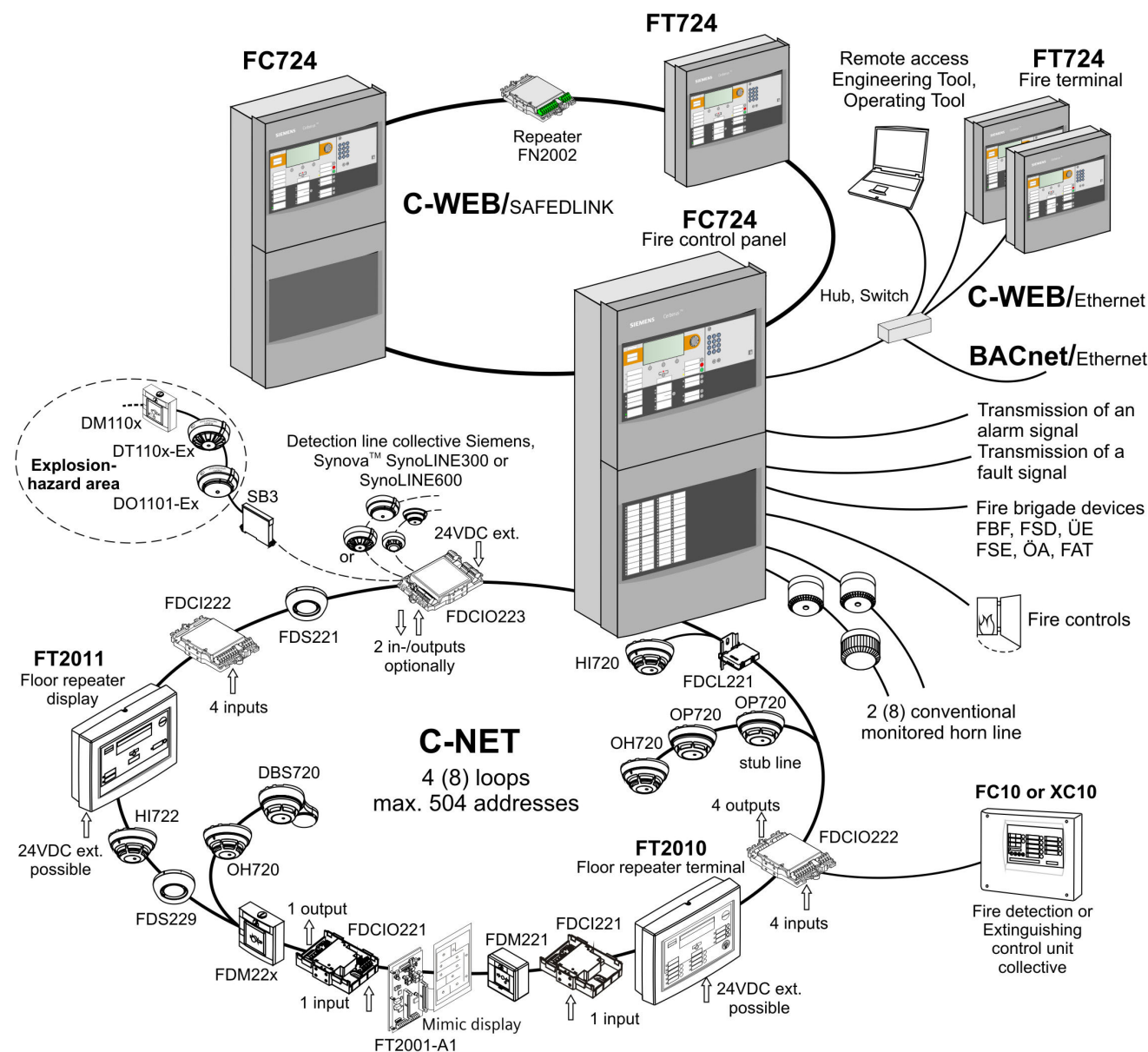# SIEMENS

FC724

Cerberus® PRO
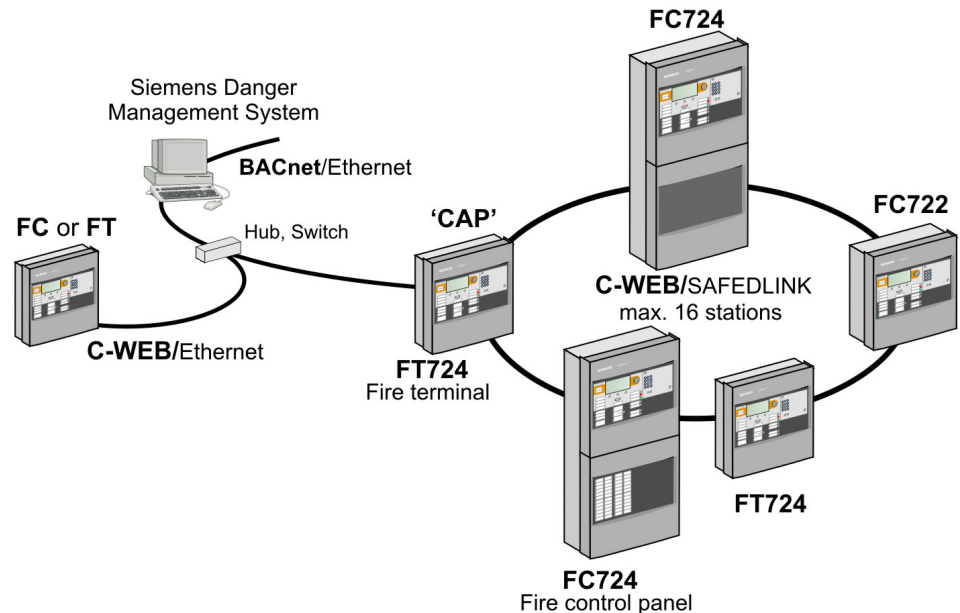
Fire control panel

Series FS720 (MP1XS)

CE

- **Compact, prefabricated microprocessor-controlled fire control panel for the connection of up to 504 addresses**
- **Fire control panel can be used as stand-alone version or networked**
- **Up to 16 stations such as fire control panels and fire terminals (in any arrangement) can be connected in one network**
- **Integrated emergency operation function**
- **Redundant network node, degrade operation according to EN 54**
- **Fast Ethernet interface for heterogeneous network**
- **Integrated user-friendly operating unit**
- **Optional printer, key switch, LED indicators**
- **Slots for RS232, RS485 serial ports**
- **Emergency power supply for up to 72 h emergency power time**
- **Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation**
- **Processes signals from the Cerberus PRO FD720 detector series**
- **Floor repeater devices, alarm devices and mimic displays in the detector loop (C-NET)**
- **Flexible programming of complex applications and controls**
- **Stored data can be uploaded via remote access**
- **Firmware download of all processor controlled control panel components**

Building Technologies

Fire Safety & Security Products

FC724

FT724

Repeater
FN2002

Remote access
Engineering Tool,
Operating Tool

FT724
Fire terminal

C-WEB/SAFEDLINK

FC724
Fire control panel

Hub, Switch

C-WEB/Ethernet

BACnet/Ethernet

DM110x

**Explosion-
hazard area**

DT110x-Ex

DO1101-Ex

SB3

Detection line collective Siemens,
Synova™ SynoLINE300 or
SynoLINE600

24VDC ext.

or

FDCIO223

2 in-/outputs
optionally

Transmission of an
alarm signal

Transmission of a
fault signal

Fire brigade devices
FBF, FSD, ÜE
FSE, ÖA, FAT

Fire controls

FDCI222

FDS221

HI720

FDCL221

FT2011
Floor repeater
display

4 inputs

OP720

OP720

OH720

2 (8) conventional
monitored horn line

C-NET
4 (8) loops
max. 504 addresses

stub line

DBS720

FC10 or XC10

HI722

OH720

4 outputs

FT2010
Floor repeater terminal

FDCIO222

24VDC ext.
possible

FDS229

1 output

FDCIO221

FDM221

FDCI221

4 inputs

Fire detection or
Extinguishing
control unit
collective

FDM22x

1 input

Mimic display
FT2001-A1

1 input

24VDC ext.
possible

2

Expansion to a complex fire detection system

The high-performance C-WEB makes it possible to network up to 16 FC724/722 fire control panels and FT724 fire terminals together as required. The innovative redundant network nodes not only set new standards in terms of failsafe characteristics but also for high-speed data transfer.

In addition, an Ethernet connection is available at each station. This Ethernet connection enables a maximum of 4 stations (inclusive Central Access Point 'CAP') to be networked together (not EN 54-compliant).

➜ For details about system networking, please refer to product data sheet A6V10227649.

Characteristics

– The FC724 is a compact fire control panel with an integrated operating unit that can process signals from FD720 devices.
– The control panel can be used as a stand-alone unit or in a network.
– The control panel can be programmed with the user-friendly Cerberus-Engineering-Tool to create a system with great versatility.
– All detector lines are monitored for ground faults.
– Adaptation of the user text directly on the terminal or with the software engineering tool.
– Up to 2000 events can be stored according to various criteria.
– Automatic summer/winter time change.
– Connection of Siemens Danger Management System via BACnet

Operating unit

The following are located on the operating unit:
- CPU module and the electronics for the operating unit
- Ethernet connection
- Slots for RS232, RS485 modules and networking modules (SAFEDLINK)
- Space for 'Kaba' or 'Nordic' key switch
- Space for event printer

Periphery board

The following are located on the periphery board:
- Connection terminals for C-NET loops, remote transmission (alarm, fault), horn output, programmable control inputs/outputs, monitored alarm and fault output, degrade supply, power supply
- 2 plug-in position for loop extension (C-NET)

Power supply 150 W, emergency power supply

The power supply supplies the hardware and charges the batteries
- The batteries supply the emergency power in case of power failure

Housing

A pivoting mounting panel can be installed on the housing backplane to allow installation of:
- 1 fire brigade periphery module (for Germany)
- 1 sounder module (can also be mounted onto the U-rail TS35)

Configuration

The FXS7212 Cerberus-Engineering-Tool permits the system to be adapted to specific customers' requirements.

Application ranges

The FC724 is ideally suited for medium-sized applications, e.g. in industrial plant, regional banks, office complexes, etc. or when networked as part of much larger applications.
The FC724 can be used by the flexible cross-linking possibilities however also for extensive systems.

Operation

Each control panel has an integrated operating panel. Additionally the control unit can be operation for another separate FT724 operator terminal.

➜ For details and further information, please refer to product data sheet A6V10207898.

Overview of FC724 fire control panels

Housing (Comfort)

FC724-ZA	FC724-ZE
	With 48 indicator groups with each one red + yellow LED

FC724-ZA
4 Loops
With power supply (150 W)
Battery capacity max. 26 Ah

FC724-ZE
4 Loops
With power supply (150 W)
Battery capacity max. 26 Ah

Expansion			External printer
FH7202-Z3	**FH7203-Z3**	**FTO2001-A1**	**DL3750+**

FH7202-Z3
Housing (Standard)
430 x 398 x 160 mm
Empty housing for various applications

e.g. for additional batteries,
operating add-on or

Event printer
Space for batteries
2 x FA2003-A1 (7 Ah) or
2 x FA2004-A1 (12 Ah) or
2 x FA2006-A1 (26 Ah)

FH7203-Z3
Housing (Comfort)
430 x 796 x 160 mm

e.g. for additional batteries,
operating add-on or
Event printer
Space for batteries
2 x FA2003-A1 (7 Ah) or
2 x FA2004-A1 (12 Ah) or
2 x FA2005-A1 (17 Ah) or
2 x FA2006-A1 (26 Ah)

FTO2001-A1
Event printer

Can be installed in all
panels except
RS232 module must be ordered
separately

Operating add-on

FCM7211-Y3
48 indicator groups
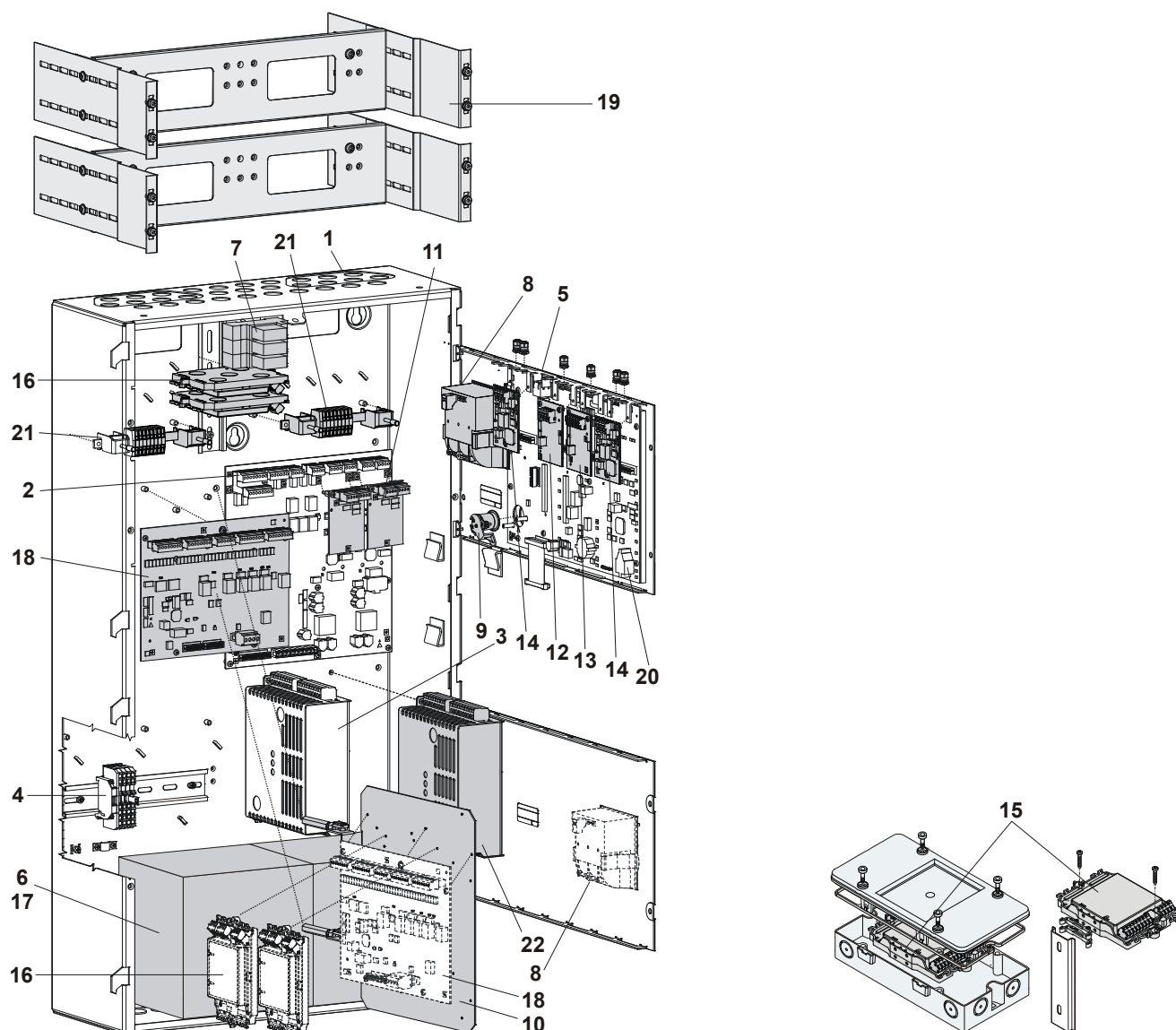with each one red + yellow LED

For retrofitting

DL3750+
Matrix printer (Extern)
RS232 interface

RS232 module must be ordered
separately

Configuration of FC724 in housing (Comfort)

Basic equipment	**Designation**	**Notes**
1 Rear (Comfort)	FHA2003-A1	
2 Periphery board (4-Loop)	FCI2004-A1	Pos. 1-5 –> Basic equipment for each FC724-xx (Comfort)
3 Power supply (SV 24V-150 W)	V24230-Z6-A2	
4 Mains terminals on DIN mounting rail TS35	–	Space for socket, relay modules, etc.
5 Operating unit	FCM72xx-xx	Combined operating unit and CPU, incl. cover
6 Space for batteries	–	2 x 12 V / 7… 26 Ah
Expansion		
7 Relay module	Z3B171	Relay for fire controls
8 Event printer	FTO2001-A1	For event logging
9 Key switch (Kaba)	FTO2005-C1	For operating access rights
Key switch (Nordic)	FTO2006-B1	
10 Mounting plate	FHA2007-A1	E.g. for fire brigade peripheral
11 Loop extension (FDnet/C-NET)	FCI2003-A1	For loop extension of 2 to 4, number of addresses remains the same
12 RS485 module (isolated)	FCA2002-A1	For peripheral devices with RS485 port
13 RS232 module (isolated)	FCA2001-A1	For stations with RS232 port
14 Networking module (SAFEDLINK)	FN2001-A1	For networking various stations
15 Repeater (SAFEDLINK)	FN2002-A1	For the extension of the system bus C-WEB, max. 1 between 2 stations (mounting direct onto plane surface, onto a U-rail TS35 or in housings FDCH221)
16 Sounder module	FCA2005-A1	For split-up of 1 to 4 conventional horn lines

17	Battery (12 V, 7 Ah, VDS)	FA2003-A1	
	Battery (12 V, 12 Ah, VDS)	FA2004-A1	For emergency power supply
	Battery (12 V, 26 Ah, VDS)	FA2006-A1	
18	Fire brigade periphery module	FCI2001-D1	For Germany (FBF, FSD, ÜE, FSE, ÖA, KL)
19	19" mounting kit	FHA2016-A1	For the installation in 3rd party housings
20	License key L1 or	FCA2012-A1	For Cerberus-Remote
	License key (L2)	FCA2013-A1	For Cerberus-Remote and BACnet
21	Cable kit (communication)	FCA2014-A1	For flexible cable connections to the modules on the operating unit
22	Power supply kit (150 W, B)	FP2005-A1	For additional power supply

Technical data

Mains voltage	230 VAC
Power supply	150 W
Operating voltage	21… 28.6 VDC
Operating current	max. 5 A
Battery capacity	2 x 12 V, 26 Ah
Battery monitoring	yes
Mains monitoring	yes
Connectable detector series	Cerberus PRO FD720 (C-NET)
Number of lines	
– Loops (with loop extension) or	4 (8)
– Stub lines	8 (16)
Number of addresses	max. 504
Integrated inputs/outputs	
– Relay outputs	
– RT alarm	1
– RT Fault	1
– Monitored outputs	
– Alarm	1
– Fault	1
– Horn	2
– Free programmable inputs/outputs	12
Operating unit	integrated
Plug-in position for RS232, RS485 serial ports	2
Plug-in position for networking modules	2
Plug-in position for loop extension	2
Mounting place for cable kit (communication)	2
Sounder module	max. 2
Ethernet connection RJ45	1
Operating temperature	-8… +42 °C
Storage temperature	-20… +60 °C
Humidity (no condensation permitted)	≤95 % rel.
Dimensions (W x H x D)	430 x 796 x 160 mm
Color	
– Housing	grey, ~RAL 7035
– Cover	grey, ~RAL-Design 050 00 00
Protection category (IEC 60529)	IP30
Approvals	
– VdS	G209077
– LPCB	pending

Details for ordering

	Type	Part no	Designation	Weight
Fire control panels	FC724-ZA	S54400-C30-A2	Fire control panel (4L)	18.280 kg
	FC724-ZE	S54400-C30-A3	Fire control panel (4L, 2LED)	19.200 kg
Expansion	Z3B171	BPZ:4843830001	Relay module 250 VAC / 10 A (1 relay)	0.042 kg
	FTO2001-A1	A5Q00010126	Event printer	0.250 kg
	–	A5Q00017619	Replacement printer rolls (10 rolls)	0.090 kg
	FTO2005-C1	A5Q00010113	Key switch (Kaba)	0.013 kg
	FTO2006-B1	A5Q00010129	Key switch (Nordic)	0.050 kg
	FHA2007-A1	A5Q00010151	Mounting plate	0.800 kg
	FCI2003-A1	A5Q00010136	Loop extension (FDnet/C-NET)	0.064 kg
	FCA2002-A1	A5Q00009923	RS485 module (isolated)	0.067 kg
	FCA2001-A1	A5Q00005327	RS232 module (isolated)	0.068 kg
	FN2001-A1	A5Q00012851	Network module (SAFEDLINK)	0.077 kg
	FN2002-A1	S24236-B2502-A1	Repeater (SAFEDLINK)	0.154 kg
	FCA2005-A1	A5Q00014866	Sounder module	0.140 kg
	FCA2014-A1	A5Q00023027	Cable kit (communication)	0.224 kg
	FCI2001-D1	A5Q00013100	Fire brigade periphery module	0.482 kg
	FH7202-Z3	S54400-B70-A101	Housing (Standard)	7.500 kg
	FH7203-Z3	S54400-B71-A101	Housing (Comfort)	15.000 kg
	FCM7211-Y3	S54400-F75-A1	Operating add-on (2xLED-ind.)	2.600 kg
	FHA2016-A1	A5Q00020179	19" mounting kit	3.000 kg
Additional power supply	FP2003-A1	A5Q00016005	Power supply kit (70 W)	0.650 kg
	FP2004-A1	A5Q00020825	Power supply kit (150 W) for installation in empty housing	1.366 kg
	FP2005-A1	A5Q00018779	Power supply kit (150 W, B)) for cascading	1.100 kg
Batteries	FA2003-A1	A5Q00019353	Battery (12 V, 7 Ah, VDS)	2.450 kg
	FA2004-A1	A5Q00019354	Battery (12 V, 12 Ah, VDS)	3.930 kg
	FA2005-A1	A5Q00019677	Battery (12 V, 17 Ah, VDS)	5.640 kg
	FA2006-A1	A5Q00019356	Battery (12 V, 26 Ah, VDS)	7.572 kg
Software license	FCA2012-A1	A5Q00018856	License key (L1)	0.010 kg
	FCA2013-A1	A5Q00018857	License key (L2)	0.010 kg
External printer	DL3750+	A5Q00023962	Matrix printer (Extern)	7.300 kg
Spare part	–	A5Q00023963	Black typewriter ribbon for matrix printer DL3750+	0.078 kg