



FT2040

Sinteso™

Fire terminal

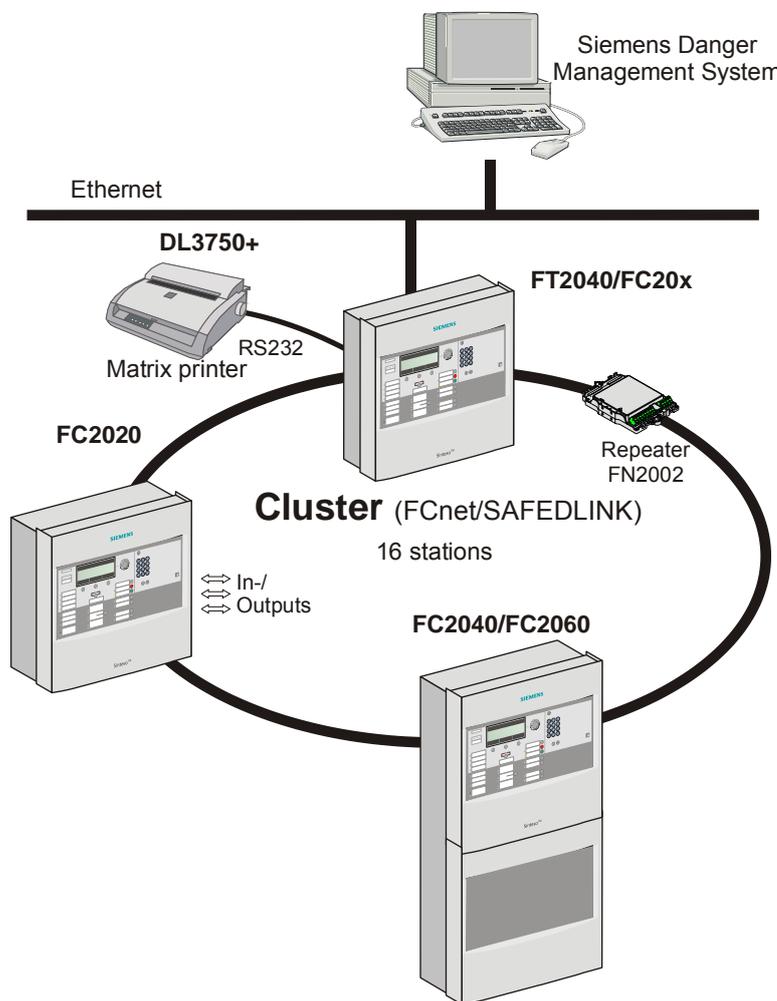


FS20 series

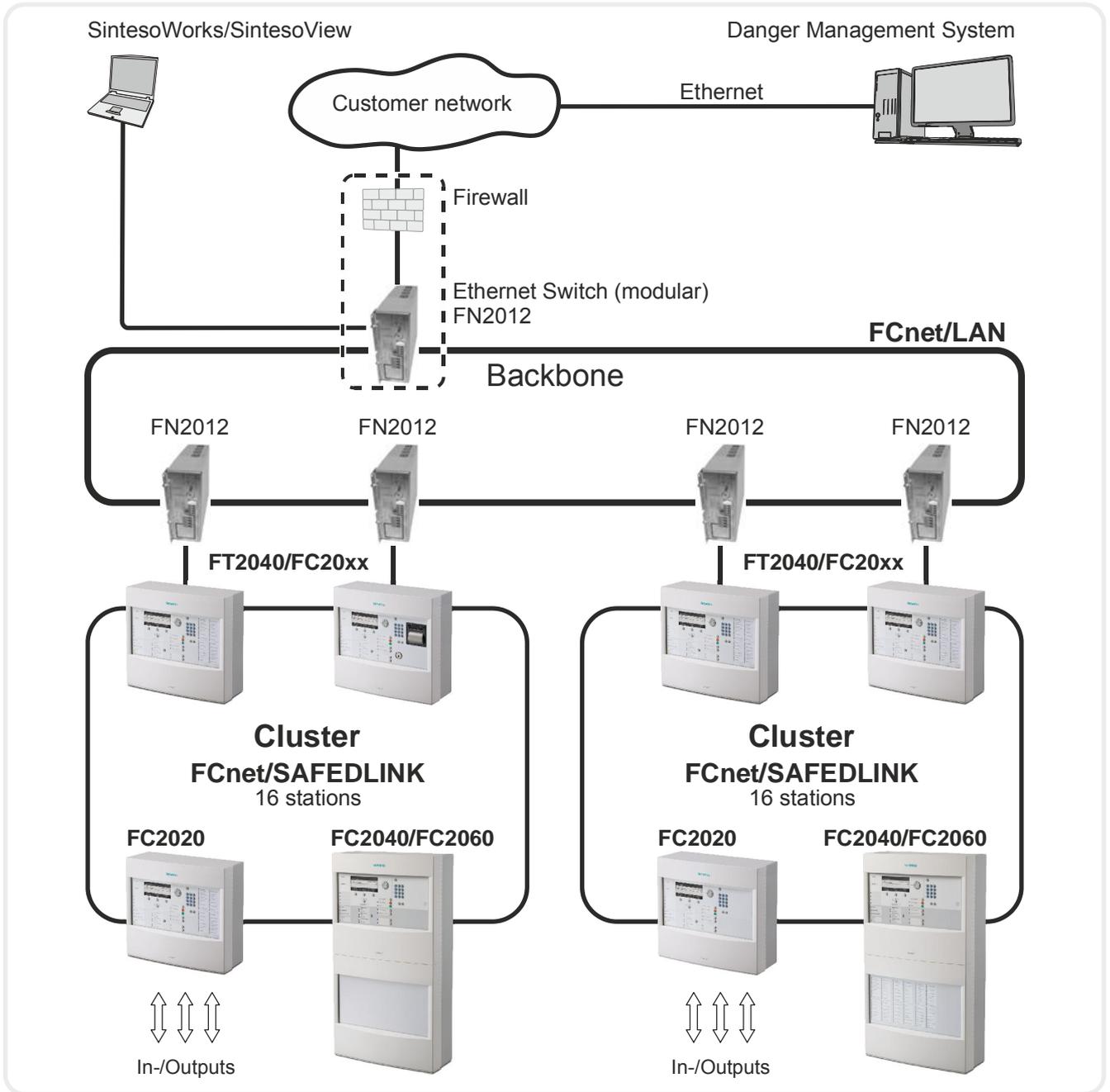
- **System operation and display functions**
- **Large backlit display: 8 lines of 40 characters each**
 - One text display with two lines of information for each alarm event
 - Context-dependent soft keys
 - Ability to store location-specific action texts
 - Simultaneous display of multiple events
- **Convenient context- and state-based operation via soft keys**
- **Ergonomically arranged operating and indication elements grouped according to function**
- **Different levels of operation according to access level**
- **Operating access via a password or optional key switch**
- **Possible to have several fire terminals per fire detection system**
- **Extensions possible, e.g., event printer, power supply, and serial interfaces**

Networking of several fire control panels

Up to 32 control panels and terminals can be linked to form a cluster (FCnet/SAFEDLINK network). If the cluster is connected to a danger management system via BACnet, up to 16 control panels and terminals can be networked.



An optical Ethernet network (FCnet/LAN) allows up to 14 clusters with up to 16 stations to be operated on one network. A maximum of 64 stations is supported in total.



You will find details of system networking in product data sheet 008955.

Function features

- The FT2040 fire terminal is a Person Machine Interface that is used remotely from a control panel and which can optionally be provided with its own power supply.
- The fire terminal has spaces for installing optional interfaces such as an RS232 or RS485, network modules (SAFEDLINK), and a key switch.
- Each fire terminal has an Ethernet connection.
- The powerful FCnet can be used to network up to 64 FC20xx fire control panels and FT2040 fire terminals with one another in any way.
- Up to five fire terminals can be configured with system-wide visibility.
- Siemens danger management system can be connected

Function elements

Operating unit

The following elements are available on the operating unit:

- CPU module and electronics
- Ethernet connection
- Slots for RS232 and RS485 modules and network modules (SAFEDLINK)
- Space for 'Kaba' or 'Nordic' key switch
- Space for event printer (depending on version)

Fire terminal board

Connection terminals for the following elements are available on the fire terminal board:

- Optional power supply
- 24 V supply from a control panel
- External 24 V power source

Housing

The housing contains sufficient space for an optional 70 W power supply and 2x batteries with a capacity of 7 Ah.

Housing (Eco)

FT2040-AZ



Without power supply

FT2040-EZ

Featuring 24 indicator groups with one red/green + one yellow LED each



Without power supply

Housing (Eco) and operating add-on extensions

FH2001-A1

Housing (Eco)
430 x 398 x 103 mm



Empty housing for free use e.g., for operating add-on or extra batteries

FCM2038-A2

48 display groups with one red/green + one yellow LED each



For retrofitting Only possible without plan compartment

FCM2036-A2

96 indicator groups with one red/green + one yellow LED each



For retrofitting Only possible without plan compartment

FH2006-A1

Housing (Eco + plan compartment)
430 x 398 x 103 mm



Empty housing for A4 documents
Depth 50 mm

Internal printer

FTO2001-A1

Event printer



For installation in
- FT2040-AZ
- FH2001-A1

RS232 module must be ordered separately

External printer

DL3750+

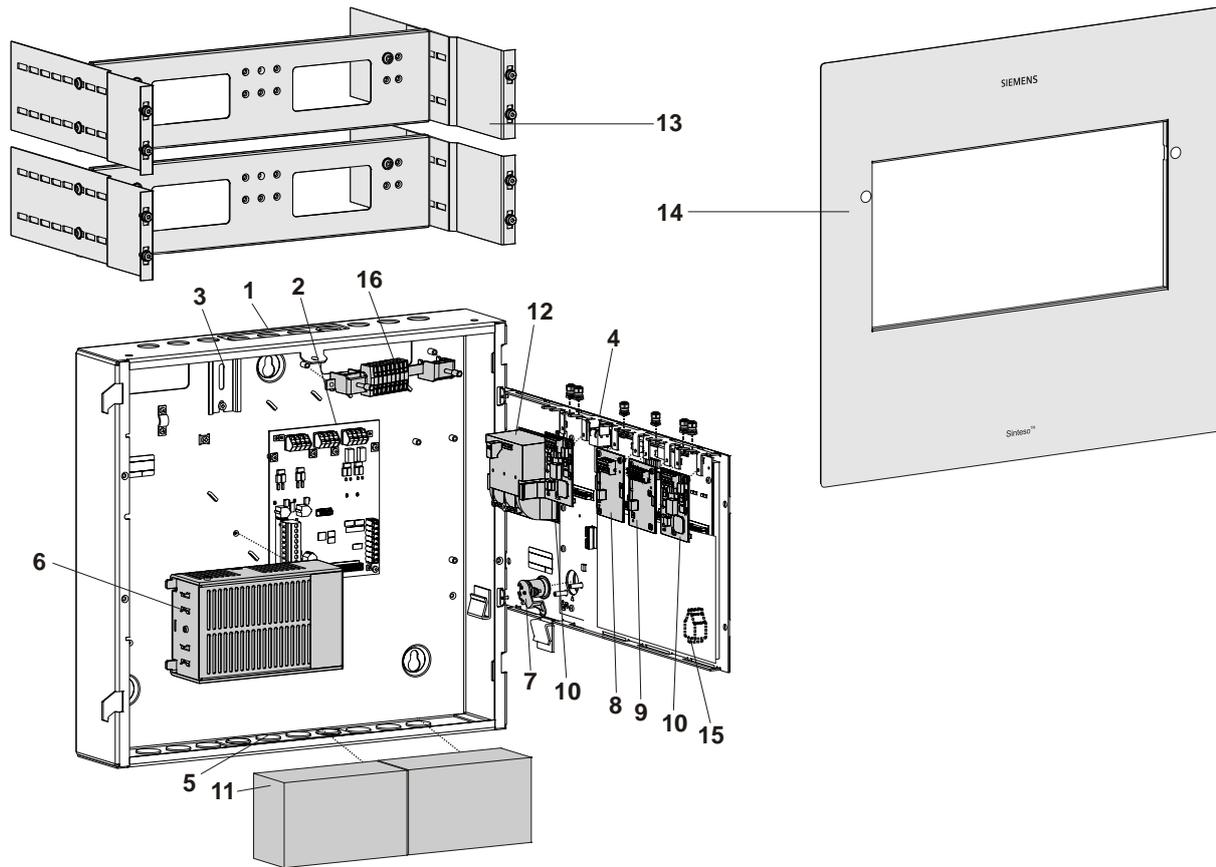
Matrix printer (external)

RS232 interface

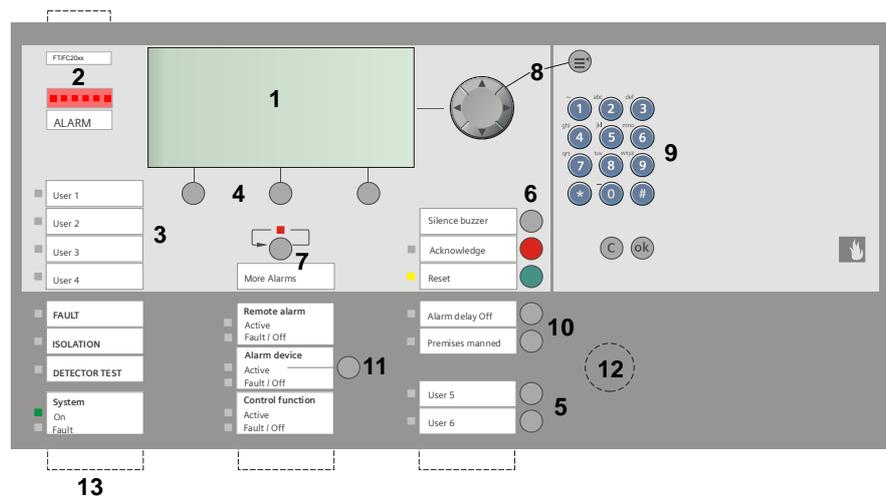


RS232 module must be ordered separately

Layout of FT2040



Basic equipment	Designation	Notes
1 Housing (Eco)	FHA2001-A1	Items 1-5: Basic equipment
2 Fire terminal board	FTI2001-A1	
3 U-rail TS35	–	Space for socket, disconnect terminals
4 Operating unit	FCM20xx-xx	Operating unit with CPU
5 Space for batteries	–	Max. 2x 12 V/7 Ah, optional, with power supply (70 W)
Extensions		
6 Power supply (70 W)	FP2015-A1	If fire terminal is not supplied with power by the control panel
7 Key switch (Kaba)	FTO2005-C1	For operating access authorization
Key switch (nordic)	FTO2006-B1	
8 RS485 module (isolated)	FCA2002-A1	For peripheral devices with an RS485 interface
9 RS232 module (isolated)	FCA2001-A1	For devices with an RS232 interface
10 Network module (SAFEDLINK)	FN2001-A1	For networking several stations
11 Battery (12 V, 7 Ah, VDS)	FA2003-A1	For the emergency power supply
12 Event printer	FTO2001-A1	For logging events
13 19" mounting kit	FHA2016-A1	For installation in 19" third-party housing
14 FM blind 1HE	FHA2017-A1	For recessed mounting of housings
15 License key Sx	FCA20xx	For special functions
16 Cable kit (communication)	FCA2014-A1	For flexible connections running to the modules on the operating unit



- 1 Backlit 8-line LC display with 40 characters per line and detailed text information about all events that occur:
 - Event type, event location, action texts, operating states
 - Instructions displayed directly in alarm situations to tell you what to do
 - Convenient operation via soft keys and navigation button
- 2 Alarm indicator, lights up red when an alarm event occurs
- 3 Four configurable LEDs and associated inscription fields
- 4 Soft keys for direct operation depending on state
- 5 Two buttons with LEDs, individually configurable
- 6 Buttons for 'Buzzer off', 'Acknowledge' message, and 'Reset' message
- 7 Button for scrolling through alarm messages
- 8 Navigation and menu buttons
- 9 Keypad for entering numeric and alphanumeric texts, e.g., password or customer text
- 10 Alarm organization buttons
- 11 Button and LEDs with inscription fields for alarming equipment
- 12 Optional key switch for operating access (Kaba or Nordic)
- 13 Insertable inscription strips

Technical data

Operating voltage input	DC 20...30 V
Current consumption at 24 V	
– Quiescent current (LCD illumination inactive)	125 mA
– Alarm current (LCD illumination active)	130 mA
Supply outputs	2x Vsys
Slots for RS232, RS485 serial ports	2
Slots for network modules	2
Ethernet port RJ45	1
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Air humidity (no condensation permitted)	≤95 % rel.
Dimensions (W x H x D)	
– Without cover cap	430 x 398 x 80 mm
– With cover cap	430 x 398 x 103 mm
Color	
– Housing	~RAL 7035, light gray
– Cover cap	~RAL 9010, pure white
– Foil	~RAL 9006, white aluminum ~RAL 9010, pure white
– Buttons	~RAL 7035, light gray ~RAL 5014, pigeon blue
Protection category (IEC 60529)	IP30
Approvals	
– VdS	G206111
– LPCB	126bn/R01
– FM	3048514
– DNV GL (Marine)	See document A6V10400920
Power supply (optional)	70 W
Capacity of batteries (optional)	Max. 2x 12 V/7 Ah

06 	FT2040-AZ / FT2040-CZ / FT2040-FZ / FT2040-NZ	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug Technical data: see doc. 008836
	FT2040 - Control and Indicating Terminal for use in fire detection and fire alarm systems installed in buildings.	
2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2014/35/EU (LVD): EN 60950-1 ; 2011/65/EU (RoHS): EN 50581		
The declared conformity can be seen in the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download		
DoC No.: CED-FT2040		

Details for ordering

	Type	Art. no.	Designation	Weight	
Fire terminal	FT2040-AZ	A5Q00016702	Fire terminal	8.860 kg	
	FT2040-EZ	A5Q00016720	Fire terminal	9.780 kg	
Extensions	FH2001-A1	A5Q00016865	Housing (Eco)	5.700 kg	
	FH2006-A1	A5Q00022364	Housing (Eco + plan compartment)	10.000 kg	
	FCM2038-A2	S54400-B146-A1	Operating add-on (2xLED indicator)	2.600 kg	
	FCM2036-A2	S54400-B147-A1	Operating add-on (4xLED indicator)	2.800 kg	
	FTO2005-C1	A5Q00010113	Key switch (Kaba)	0.013 kg	
	FTO2006-B1	A5Q00010129	Key switch (nordic)	0.050 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	
	FCA2014-A1	A5Q00023027	Cable kit (communication)	0.224 kg	
	FTO2001-A1	A5Q00010126	Event printer	0.250 kg	
	–	A5Q00017619	Spare printer reels (10 reels)	0.090 kg	
	FP2015-A1	S54400-B121-A1	Power supply (70 W)	1.300 kg	
	FA2003-A1	A5Q00019353	Battery (12 V, 7 Ah, VDS)	2.450 kg	
	FHA2016-A1	A5Q00020179	19" mounting kit	3.000 kg	
	FHA2017-A1	A5Q00024719	FM blind 1 HU	3.000 kg	
	FN2006-A1	S54400-A109-A1	Fiber network module (SM)	0.770 kg	
	FN2007-A1	S54400-A110-A1	Fiber network module (MM)	0.770 kg	
	License keys	FCA2033-A1	S54400-P154-A1	License key (S1)	0.010 kg
		FCA2034-A1	S54400-P155-A1	License key (S2)	0.010 kg
		FCA2035-A1	S54400-P156-A1	License key (S3)	0.010 kg
	Networks (backbone)	FN2012-A1	S54400-B152-A1	Ethernet switch (modular)	0.560 kg
		FCA2031-A1	S54400-A153-A1	Connection module (MoNet)	0.020 kg + 0.050 kg for cable
VN2002-A1		S54400-A43-A1	Ethernet module (MM)	0.030 kg	
VN2003-A1		S54400-A44-A1	Ethernet module (SM)	0.030 kg	
FHA2029-A1		S54400-B79-A1	Mounting kit (switch)	1.240 kg	
External printer		DL3750+	A5Q00023962	Matrix printer (external)	7.300 kg
Spare part	–	A5Q00023963	Color ribbon for matrix printer DL3750+	0.078 kg	

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Technical specifications and availability subject to change without notice.