SIEMENS

Sinteso™ / Cerberus™ PRO

Floor repeater terminal, floor repeater display

FT2010-A1, FT2010-C1, FT2011-A1

FDnet/C-NET operating devices for the fire detection systems Sinteso™ FS20 and Cerberus™ PRO FS720.

- Communication and power supply via FDnet/C-NET
- External, electrically isolated AC/DC supply possible
- Two-wire installation for all cable types
- Large backlit display with plain text display
- FC2020/FC721/FC722: Up to **8** floor repeater terminals and floor repeater displays can be connected
- FC2040/FC724: Up to **16** floor repeater terminals and floor repeater displays can be connected
- FC2030/FC723: Up to **24** floor repeater terminals and floor repeater displays can be connected
- FC2060/FC2080/FC726: Up to **50** floor repeater terminals and floor repeater displays can be connected
- The same message layout as with the standard Person Machine Interface
- Flat housing suitable for the stations of the fire detection systems

Features and Functions

FT2010 floor repeater terminal

FT2010-A1
(with nordic key)

FT2010-C1
(with Kaba key and flat rear panel)

- Display and operation of sections and zones within a building
- Individual configuration of the sections and zones to be operated and displayed via the floor repeater terminal
- Possible to display alarms, pre-alarms, technical messages, faults, isolations from the entire system
- Acknowledgement and resetting of events
- Event text identical to the fire control panels FC20xx/FC72x and the fire terminals FT2040/FT724
- Navigation button to scroll through menus and messages in the display
- Clear and well-laid-out user interface for customer-specific plain text messages to enable clear localization of events
- Enabling of access level 2.2 with the key switch
- Starting the investigation time and resetting the alarm during the investigation time
- Power supply possible via FDnet/C-NET or via external, electrically isolated AC/DC power supply*
- Integrated line separator
- Insertable inscription strips

* EN54-4 conformity not required

FT2011 floor repeater display

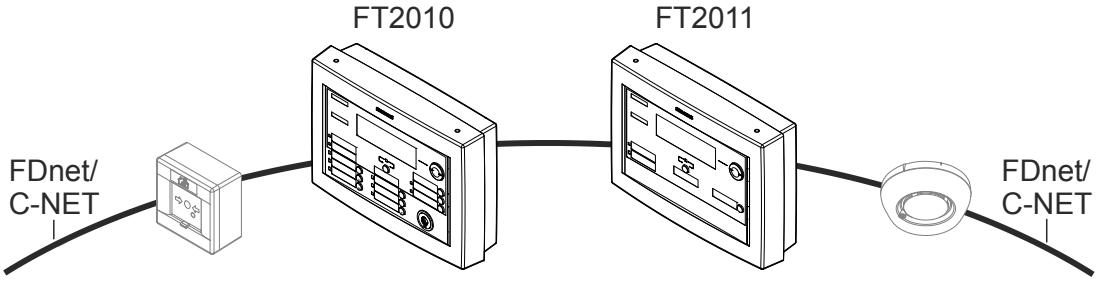
FT2011-A1

- Display of sections and zones within a building
- Individual configuration of the sections and zones to be displayed via the floor repeater display
- Possible to display alarms, pre-alarms, technical messages, faults, isolations from the entire system
- Event text identical to the fire control panels FC20xx/FC72x and the fire terminals FT2040/FT724
- Navigation button to scroll through messages in the display
- In the event of alarm messages, the internal buzzer can be deactivated
- Power supply possible via FDnet/C-NET or via external, electrically isolated AC/DC power supply*
- Integrated line separator
- Insertable inscription strips

* EN54-4 conformity not required

Use

The floor repeater terminals and floor repeater displays are FDnet/C-NET devices and can be operated in loops or in stub lines.



FT2010

The FT2010 floor repeater terminal is installed remotely from the fire control panel, e.g., on one floor, and is used to display events and operate fire detection functions locally.

FT2011

The FT2011 floor repeater display is installed remotely from the fire control panel, e.g., on one floor, and is used to display events locally.

Application matrix

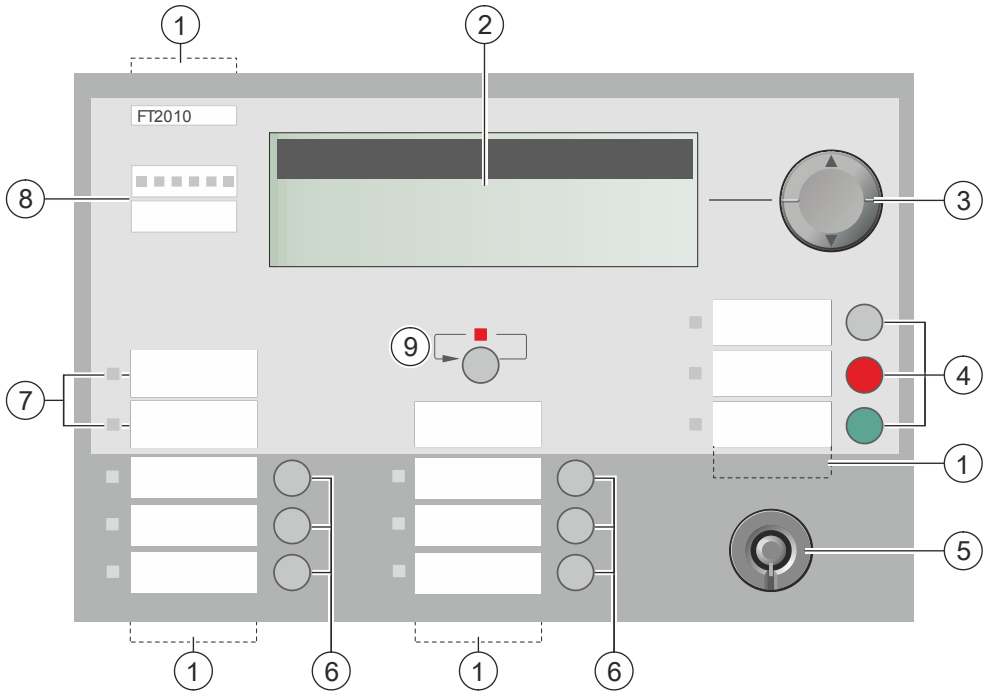
Use	FT2010	FT2011
Operation on the FDnet/C-NET detector line	●	●
Display of local and system-wide events and messages	●	●
Operation of local fire detection functions	●	–

- ● Possible
- – Not possible

Design

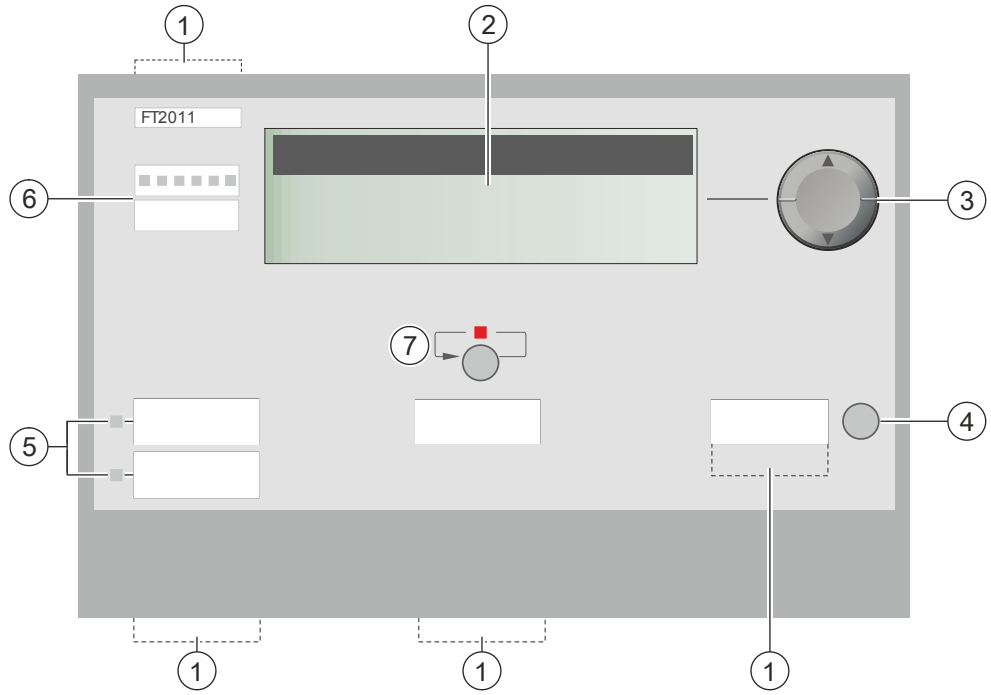
Indication and operating elements

Floor repeater terminal FT2010-A1 / FT2010-C1



1	Insertable inscription strips
2	Plain text display with backlight
3	Scroll button for the display messages
4	'Buzzer off', 'Acknowledge', and 'Reset' buttons
5	Key switch for operating access ● FT2010-A1 with nordic key ● FT2010-C1 with Kaba key
6	Six operating buttons with LEDs, individually programmable
7	Two display fields
8	Alarm indicator
9	Button to move through the alarm messages

Floor repeater display FT2011-A1



1	Insertable inscription strips
2	Plain text display with backlight
3	Scroll button for the display messages
4	'Buzzer off' button
5	Two display fields
6	Alarm indicator
7	Button to move through the alarm messages

Type Overview

	FT2010-A1	FT2010-C1	FT2011-A1
			
Designation	Floor repeater terminal		Floor repeater display
Order number	A5Q00014104	S54400-F34-A1	A5Q00017706
Nordic key switch	●	–	–
Kaba key switch	–	●	–

● Included

– Not included

Details for ordering

Type	Designation	Weight	Order number
FT2010-A1	Floor repeater terminal	0.831 kg	A5Q00014104
FT2010-C1	Floor repeater terminal with flat rear panel	1.103 kg	S54400-F34-A1
FT2011-A1	Floor repeater display	0.779 kg	A5Q00017706

Product documentation

Document ID	Title
A6V101111321	FT2010, FT2011 floor repeater terminal, floor repeater display – Technical manual

System documentation

Document ID	Title
008836	FS20 Fire Detection System - System Desription
008837	FS20 Fire detection system - Product Data
008838	Operation Manual Fire control panel / Fire terminal FC20xx / FT2040
008843	FS20 Fire detection system - Planning
009052	FS20 Fire detection system - Commissioning, Maintenance, Troubleshooting
009078	FS20 Fire detection system - Configuration
A6V10210355	FS720 Fire detection system - System Description
A6V10210362	FS720 Fire detection system - Planning
A6V10210368	FS720 Fire detection system - Product Data
A6V10210416	FS720 Fire detection system - Commissioning, Maintenance, Troubleshooting
A6V10210424	FS720 Fire detection system - Configuration
A6V10211076	Operation Manual Fire control panel / Fire terminal FC72x / FT724

Related documents such as the environmental declarations, CE declarations, etc., can be downloaded from the following Internet address:

www.siemens.com/bt/download

Notes

Disposal

The device is considered an electronic device for disposal in accordance with European Directive and may not be disposed of as domestic waste.

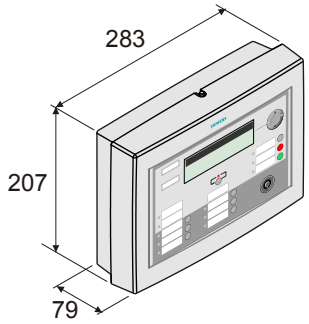
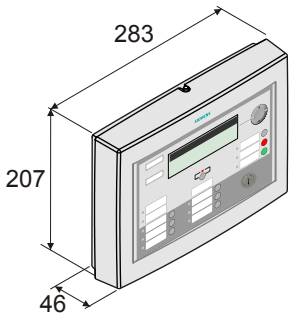
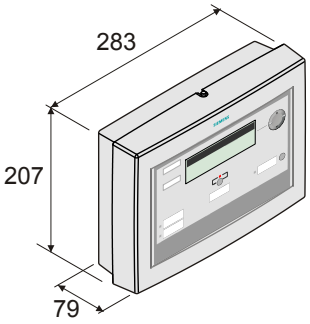
- Use only designated channels for disposing the devices.
- Comply with all local and currently applicable laws and regulations.

Technical data

FT2010-A1 / FT2010-C1 / FT2011-A1		
Supply via FDnet/C-NET	Designation	'LINE+', 'LINE–'
	Operating voltage	DC 16…33 V
	Power consumption:	
	● Without external supply	4…40 mA
	● With external supply	Max. 5 mA
Line separator	Line voltage:	
	● Nominal	DC 32 V (= V_{nom})
	● Minimum	DC 16 V (= V_{min})
	● Maximum	DC 33 V (= V_{max})
	Voltage at which the line separator opens:	
	● Minimum	DC 7.5 V (= $V_{SO\ min}$)
	● Maximum	DC 10.5 V (= $V_{SO\ max}$)
	Permanent current when switches are closed	Max. 1.5 A (= $I_{C\ max}$)
	Switching current	Max. 2 A (= $I_{S\ max}$)
	Leakage current	Max. 1 mA (= $I_{L\ max}$)
	Serial impedance when switches are closed	Max. 0.4 Ω (= $Z_{C\ max}$)
	The line separator is closed via an actuation signal from the control panel. Required line voltage: DC 16…33 V (normal range)	
External supply	Designation	'AC+', 'AC–'
	External supply input:	
	● DC	20…30 V, electrically isolated, EN 544 conformity not required
	● AC	15…18 V, electrically isolated, EN 544 conformity not required
	Power consumption	10…50 mA
Connections	Design	Screw terminals
	Conductor cross section	0.08…1.5 mm^2
Key figures	Address connection factor	1
	Quiescent current connection factor:	
	● Without external supply	20
	● With external supply	20
	Maximum current connection factor:	
	● Without external supply	160
	● With external supply	20
	↑ Separator connection factor	1
Interfaces	Communication protocol	FDnet/C-NET
Ambient conditions	Operating temperature	-8…+42 °C
	Storage temperature	-20…+60 °C
	Air humidity (no condensation permitted)	≤95 % rel.
	Maximum height above sea level	4000 m

FT2010-A1 / FT2010-C1 / FT2011-A1		
Mechanical data	Dimensions (W x H x D):	
	● FT2010-A1, FT2011-A1	283 x 207 x 79 mm
	● FT2010-C1	283 x 207 x 45 mm
	Protection category (IEC 60529)	IP30
	Color	~RAL 7035 light gray
Standards and approvals	Standards	EN 54-17, EN 54-18, EN 54-4
	Approvals:	
	● VdS	G208011 / - / G208011
	● LPCB	126bp/02 / - / 126bp/03

Dimensional drawings

Floor repeater terminal FT2010-A1	Floor repeater terminal FT2010-C1	Floor repeater display FT2011-A1
		

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