Sinteso – panels, network and accessories
Planning Tool

Your system for fire detection, alarming and control: Sinteso

Application: complex building and large campus

Network in a complex building, for example a hospital.

Description

- Fire protection availability. The building system in all areas is illustrated in the diagram.
- Connection and communication between device and system.

Benefits

- Sinteso equipment is designed to EN 54-2 (PSE: EN54-4).
- Systems have a high immunity to electromagnetic interference.

Sinteso control panel FC2080 – uniquely safe and flexible

Integrated Extinguishing control planning

Single-sector extinguishing

Multi-sector extinguishing

Contact the experts at Siemens or view more information on the Siemens website.
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### Management platform

The Sinteso Mobile app provides access to all relevant panels in the same network. For this purpose, a connection to the backbone is required. Operating stations and mobile devices can then access the Sinteso Mobile app. The user interface of the operating station or mobile app is identical. Additional security measures are possible to limit access to certain panels.

### Network components

#### Backbone (FCnet/LAN)

- **Network elements**: FDCI223, "transponder" FDCIO223 (except input/output module FDCIO221, zone interface module FDCI221).
- **Connections**: Ethernet via a network switch.
- **Maximum number of panels in a cluster**: 16.
- **Redundant connection**: Possible due to two connections.
- **Increased EMC protection**: Thanks to fiber-optic connection.

#### Network configuration

- **Transmission**: Up to 40 T-taps.
- **Network**: Clusters can be networked via an Ethernet back-end (FCnet/LAN).

#### Network options

- **VPN**: Must be used for remote transmission in systems with more than 1,000 devices.
- **Web clients**: Must be used for remote transmission in systems with more than 1,000 devices.
- **BACnet 3rd-party provider**:可用于第三方设备通信.

### Panels Slide-in/card options

- **Operating add-ons**:
  - **CPU card**
  - **Line card (FDnet)**
  - **FP2003-A1**
  - **FP2004-A1**
  - **FP2005-A1**
  - **FP2006-A1**
  - **FP2007-A1**

#### Housing

- **Standard housing**: FH2001-A1
- **Fire terminal (touch)**: FT2080-A1

#### Additional power supply

- **Optional**: additional power supply kit (150 W)

#### Operating add-ons

- **Fire brigade display panel (FAT) [DE]**
- **Fire terminal board (FTI2001-A1)**

#### Fire terminal FT2040/FT2080

- **Description**: Fire terminal FT2040/FT2080 for FC2060 or FC2030 (optional: extendable up to 12/24 loops/stubs).
- **Technical data**: Max. 50 FT2010/FT2011 per FC2060.

### Fire control panel FC2060 (modular)

- **Description**: Fire control panel FC2060 for FC2030 (optional: extendable up to 28/56 loops/stubs).
- **Technical data**: Max. battery capacity: 2x26 Ah.

### Fire control panel FC2030 (modular)

- **Description**: Fire control panel FC2030 for FC2060 (optional: extendable up to 4 loops/8 stubs).
- **Technical data**: Alarm current: 130 mA.

### Fire control panel FC2020 (2-loop)

- **Description**: Fire control panel FC2020 for FC2010/FC2011 (optional: extendable up to 1 loop/2 stubs).
- **Technical data**: Max. 50 FT2010/FT2011 per FC2060.

### Fire control panel FC2010 (2-loop)

- **Description**: Fire control panel FC2010 for FC2000, FC2000R (optional: extendable up to 1 loop/2 stubs).
- **Technical data**: Max. 50 FT2010/FT2011 per FC2060.

### Fire control panel FC2011 (2-loop)

- **Description**: Fire control panel FC2011 for FC2000, FC2000R (optional: extendable up to 1 loop/2 stubs).
- **Technical data**: Max. 50 FT2010/FT2011 per FC2060.

### Fire control panel FC2000R (2-loop)

- **Description**: Fire control panel FC2000R for FC2010/FC2011 (optional: extendable up to 1 loop/2 stubs).
- **Technical data**: Max. 50 FT2010/FT2011 per FC2060.

### Extinguishing control kit (1 sector)

- **Order no.**: S54400-B152-A1
- **Characteristics**:
  - VN2003 Ethernet module (single mode), or VN2004 Ethernet module (multi mode)
  - 1 relay output for RT fault
  - 96 display groups each with one yellow LED (overall)

### Operating add-on

- **Order no.**: A5Q00005327
- **Characteristics**:
  - 48 or 96 display groups, each with one green/red and one yellow LED (overall)

### Optional: key switch KABA FTO2005

- **Order no.**: S54392-B12-A1
- **Characteristics**:
  - 48 or 96 display groups each with one green/red and one yellow LED (overall)

### Operating add-on

- **Order no.**: A5Q00010126
- **Characteristics**:
  - 48 or 96 display groups each with one green/red and one yellow LED (overall)

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**Legend for the interfaces:**

- **Fire control panel (FT2080, FT2040, FC20xx)**: in the fire detection system.
- **Operating station or mobile device**: has same user interface as the operating station or mobile app.
- **SIMATIC S7-1200**: can be used as a BACnet 3rd-party provider (supervision and extended commands).
- **SintesoView, Sinteso Touch and Sinteso Mobile**: can be used as a BACnet 3rd-party provider (supervision).

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