Sinteso Planning Tools – phased modernization via control panels

Answers for infrastructure.

**Sinteso – phased modernization**
**Planning Tools**

**Modernization scenarios**
Existing Siemens control panels can be replaced with the new modular Sinteso fire control panels FC2030 and FC2060. Addressable and collective detector lines that are already in place can be connected without problem. This way, you benefit from the simple and intuitive user interface, the variety of programming options, and remote functions.

**Module bus cards**
All module bus cards can be used for expanding the modular FC2060. For the FC2030, only the MS6 and the collective card can be used.

**Modernization control panels**

**Fire control panel FC2030 (modular)**

Description
The FC2030 conversion fire control panel with the following features:

- 2 loops for connecting max. 50 MS9i devices
- Can be installed in the card slot of the FC2030 control panel

Technical data
- Number of integrated loops/stubs: 2/4
- Number of FDnet devices: max. 1.024
- FDnet detector lines possible per loop
- Up to 126 devices

**Fire control panel FC2060 (modular)**

Description
The FC2060 conversion fire control panel with the following features:

- 4 FDnet loops
- Up to 252 FDnet devices can be connected on one loop
- For 8 stubs for connecting max. 32 collective detectors
- Max. 12 freely configurable inputs/outputs
- Can be installed in the FC2060 card slot

Technical data
- Number of integrated loops/stubs: 4/8
- Number of FDnet devices: max. 1.512
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**Module bus cards**

**Line card (MS6)**

FCL2003-A1

- 12 configurable inputs/outputs 24 V
- 2 monitored sounder outputs (1 A each)
- 1 monitored alarm output
- 1 relay output for RT alarm

**Line card (collective)**

FCL2002-A1

- 12 compliant fire control panel over the collective detector lines
- For 8 stubs for connecting max. 32 collective detectors

**Line card (FDnet)**

FCL2001-A1

- 4 FDnet loops
- Up to 252 FDnet devices can be connected on one loop
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**ID card (programmable)**

FCL2005-A1

- 4 ID cards (programmable)
- For 8 stubs for connecting max. 32 collective detectors
- For 4 loops for connecting max. 126 devices

**Detectors and control panel can now be integrated.**

Naturally, the other peripheral equipment can also be replaced by Sinteso devices:

- All existing fire detectors can be exchanged line by line either collectively or addressable detector lines that are already in place can be connected without problem.
- This way, you benefit from the simple and intuitive user interface, the variety of programming options, and remote functions.

**Modernization scenarios**

**Starting situation**

- For 5 plug-in units

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**Sinteso Planning Tools – phased modernization via fire detectors**

**Answers for infrastructure.**

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**Modernization scenarios**

- **Starting situation**
  - Fire control panel CZ10
  - Flame detector base FDOOT241-9M
  - Fire control panel MS9

- **Fire detectors and accessories**
  - Flame detector base FDOOT241-9M
  - Fire control panel MS9
  - Flame detector base FDOOT241-9M
  - Fire control panel MS9

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**Sinteso S-LINE fire detectors**

- DJ1193, DJ1191, and DJ1192

**ASA neural fire detector**

- Possible replacement by detector series, e.g., of the 7 or 9 series.

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**Connections to collective detectors**

**Manual call points and accessories**

**FQnet**

- Accessory: FDM223
  - Housing green with key FDMH291-Y
  - Protective cover FDMZ1197-AD
  - Alarm indicator FDMC291
  - Protective cover DB1101A
  - Detector base FDFB291
  - Manual call point red FDFB291
  - Protective cover FDFBPZ:4863650001

**Systematic modernization**

- Flexible solutions: Inspection requirements are in change due to modernization. Existing fire detectors can be replaced by step-by-step modernization, e.g., integrate it in a Danger Man system.

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**Highlights**

- **Economic solutions – without additional investment.**
  - For small systems, FQnet has specific benefits.

- **Maintenance**

- **Contradictory solutions – virtually without additional investment.**
  - For large systems, FQnet offers specific benefits.

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**Modernize move by move – and remain optimally protected. With Sinteso.**

The Sinteso fire detection system opens up new prospects for modernization. Existing Sinteso fire detection systems can be replaced step by step in precisely calculated investment phases. What is replaced when, whether a detector or control panel, can be matched flexibly to the individual situation, exactly according to your budget or operation in line with changes in safety requirements.

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**Sinteso fire detection system opens up new prospects for modernization**

- System modernization goes hand in hand with economic benefits, e.g., modernization avoids additional investment and maintenance, and providers your insurance.

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**FDnet**

- Standard solutions: 
  - FDnet devices (with Sinteso S-LINE for sophisticated applications) and controls
  - FDnet devices (with ASA neural fire detector technology) and controls
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