



Sinteso –

Planning Tool

FDnet devices

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are binding only when they are expressly agreed upon in the concluded contract. course of further development of the products. The requested performance features specifically reflect those described, or which may undergo modification in the contains general descriptions and/or performance features which may not always Subject to changes and errors. The information given in this document only Article no. BT_0082_EN (Status 04/2019)

> 7el +41 58 724 24 24 guZ 00£9 Theilerstrasse 1a Global Headquarters Smart Infrastructure

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siemens.com/perfect-places #CreatingPerfectPlaces

that's Ingenuity for life. When building technology creates perfect places –

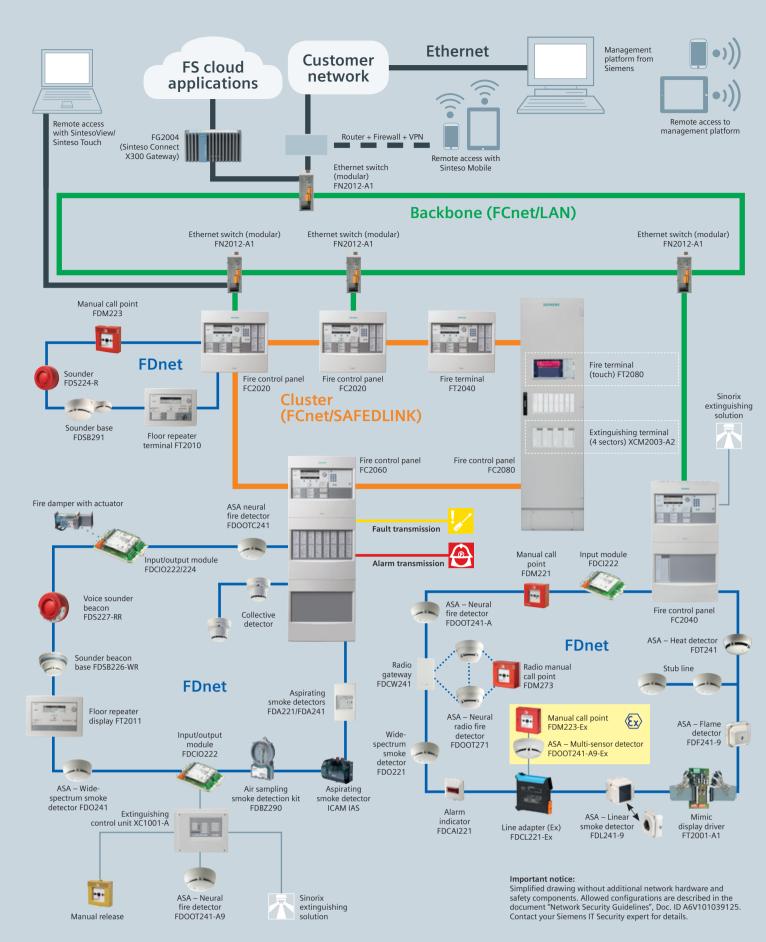
For every stage of life.

our aim is to create perfect places. With our people and technology, our products and services,

> you improve their lives. Improve the places where they spend their lives and

People spend about 90 percent of their time indoors.

Your system for fire detection, alarming and control: Sinteso



Sinteso special detectors

Sinteso™ offers a wide spectrum of detectors for special requirements, such as flame detectors that can distinguish an open fire from artificial light or sunlight; or wireless radio fire detectors that are ideal for historical buildings and museums.



Compatibility overview

Detectors, ala	arm equipment, accessories							Detector base	es, base ada	pters, al	arm device	es						
		FDB221	FDB222	FDB221-AA	FDB201	FDB202	FDB201-AA	FDB241	FDB251	FDB271	FDB281	FDB299	FDSB291	FDSB292	FDSB226-WX	FDSB227-WX	FDB226-X	FDB227-
		Detector base with stand-offs	Detector base flat	Detector base with stand- offs and micro terminal	Detector base with stand-offs, collective	Detector base flat, collective	Detector base with stand-offs, collective, with micro terminal	Base adapter for AlgoRex AnalogPLUS and SIGMALOOP	Base adapter for AlgoRex Interactive	radio	Base adapter for MS8	Base adapter for MS9	Sounder base	Sounder base, collective	Sounder beacon base	Voice sounder beacon base	Base (wall mounting)	Base deep (wall mountin
Detectors ¹⁾																		
FDT221/241	Heat detector/ASA – Heat detector	✓	✓	1	-	-	_	-	-	-	-	-	✓	-	✓	✓	-	-
FDO221/241	Wide-spectrum smoke detector/ASA – Wide-spectrum smoke detector	✓	1	✓	-	-	_	-	-	-	-	-	1	-	1	1	-	-
FDOOT221	Neural fire detector	✓	✓	✓	-	-	-	-	-	-	-	-	✓	-	✓	1	-	-
FDOOT241-A	ASA – Neural fire detector	✓	✓	1	-	-	+	-	-	-	-	-	✓	-	✓	✓	-	-
FDOOT241-A3	ASA – Neural fire detector, used as AlgoRex AnalogPLUS detector or as Sinteso detector	✓	1	✓	-	-	_	✓	-	-	-	-	1	-	✓	✓	-	-
FDOOT241-A4	ASA – Neural fire detector, used as SIGMALOOP detector or as Sinteso detector	✓	1	✓	-	-	_	1	-	-	-	-	✓	-	1	✓	-	-
FDOOT241-A5	ASA – Neural fire detector, used as AlgoRex Interactive detector or as Sinteso detector	✓	✓	✓	-	-	_	-	✓	-	-	-	✓	-	✓	✓	-	-
FDOOT241-A9	ASA – Neural fire detector, used as collective detector or as Sinteso detector on the FDnet	✓	1	✓	✓	✓	y	-	-	-	-	✓	1	✓	1	1	-	-
FDOOT241-8	ASA – Neural fire detector, used in the MS8 detector system or as Sinteso detector on the FDnet	✓	✓	✓	-	-	_	-	-	-	✓	-	✓	-	1	✓	-	_
FDOOTC241	ASA – Neural fire detector with CO sensor	✓	✓	✓	-	-	_	-	-	-	-	-	✓	-	1	✓	-	-
FDOOT271	ASA – Neural radio fire detector	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-	-
Alarm devices	s																	
FDS224-X	Sounder	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	✓	✓
FDS225-X	Voice sounder	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	✓	1
FDS226-XX	Sounder beacon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	1
FDS227-XX	Voice sounder beacon	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	✓	1
Accessories																		
FDBZ293	Detector locking device against theft	✓	✓	1	✓	✓	1	-	-	-	✓	✓	✓	✓	✓	✓	✓	1
DBZ1190-AA	Micro terminals, for wire strengths of 0.28 mm² to 0.5 mm²	✓	✓	✓	✓	✓	y	-	-	-	✓	✓	-	-	✓	✓	✓	1
DBZ1190-AB	Connection terminals, for wire strengths of 1.0 mm ² to 2.5 mm ²	✓	1	1	✓	✓	1	-	-	-	1	✓	-	-	✓	✓	1	1
FDBZ291 ²⁾	Designation plate	✓	✓	1	✓	✓	y	-	-	-	✓	✓	-	-	✓	✓	✓	1
FDBZ295 ²⁾	Sealing element	/	-	✓	/	-	1	-	-	-	-	-	-	-	-	-	-	-
FDBZ297 ²⁾	Detector base seal	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-
FDB295 ³⁾	Base attachment wet	✓	✓	1	✓	✓	1	-	-	-	-	-	-	-	-	-	-	-
FDB293 3)	Base attachment humid	1	✓	1	✓	✓	1	-	-	-	-	-	-	-	-	-	-	-
FDB291 ⁴⁾	Base attachment for the supply of surface-mounted cables	1	✓	✓	✓	1	1	-	-	-	-	-	-	-	-	-	-	-
FDB228	Base (ceiling mounting)	-	-	-	-	-	4	-	-	-	-	-	-	-	/	1	-	_
FDB229	Base deep (ceiling mounting)	-	-	-	-	-	4	-	-	_	-	-	-	-	1	1	-	_
FDBZ221	Ring attachment	-	-	-	-	-	4	-	-	-	-	-	-	-	/	1	-	-
FDBZ298	Blanking plate	_	_	_	_	_	_	_	_	_	_	_	_	_	/	1	_	

1) Optional: Detector dust cap FDZ291 for protection during construction work, 2) Designation plate FDBZ291 and sealing element FDBZ295/297 cannot be used together, 3) Optional: Protective cage DBZ1194 to protect the detector from damage; EMC protective cage FDBZ294; detector heating FDBH291; designation plate DBZ1193A, 4) Optional: Designation plate FDBZ291

Highlights for alarming

In the event of a fire it is essential to alert and evacuate people as fast as possible. A wide product portfolio range offers alarm devices for acoustic and optical alarming. All devices are loop powered and constantly monitored.

The sounder creates an acoustic alarm signal in case of an event. All devices offers a broad range of tone patterns.

The devices with voice messages are able to play a precise voice instruction for different events in the building.

With help of a voice message, the evacuation process is faster and the building occupants receive clear instructions.

– EVAC FIRE

- ALL-CLEAR

Attention please! All clear! The building alert has been resolved. All clear!

Addressing two senses – an optical and an acoustical signal – speeds up the alert and evacuation process. We increase the awareness of the

- ALERT

– TEST

- EVAC EMERGENCY

- Custom message

- Custom message 2

Voice message (optional)

Message categories (5 predefined, 2 customizable)

Attention please, this is a fire alarm! Please leave the building immediately by the marked available exits.

Attention please, this is an emergency. Please leave the building by the marked available exits.

Attention, an incident has been reported in the building, please await further instructions.

optical signal with a high flash intensity and a very short pulse length. The device has multiple options for brightness which can be adjusted

The acoustic perception is outstanding because all tones are synchronized.

- 3 different sound levels are selectable (minimum / medium / maximum)

A voice message can be emitted in one or two languages with an attention tone:

- Certified for acoustic alarming according EN 54-3

- Certified for acoustic alarming according EN 54-3.

– Finish

– Danish

Polish

Turkish

Russian

Example for Voice messages in English

according to the room size.

Portuguese

– Custom language 1

- Custom language 2

This is a test message, no action is required.

rated tone patterns

– English

French

– Italian

– Dutch

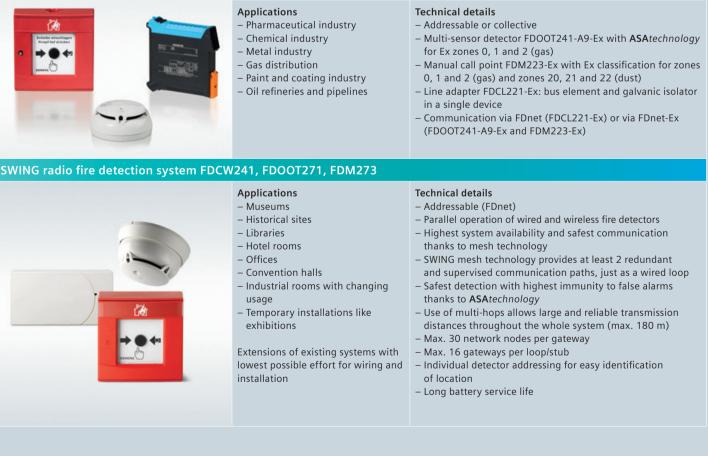
– Sweden

Norwegian

Spanisch

– English UK

– German



ddressable solution for hazardous areas with FDCL221-Ex, FDOOT241-A9-Ex, FDM223-Ex

Control of fire dampers

ontrol of fire dampers with input/output module FDCIO222/224

Fire dampers in buildings can be easily and reliably controlled with the Sinteso fire control panel.

Hospitals Hotels Office buildings - Industrial premises

Shopping malls

Libraries

of fire dampers

Technical details Control templates for the simplified programming

- Time monitoring of the opening and closing function - Transmission of the fire dampers states to the management platform via BACnet interface - Testing and visualization of the fire dampers possible via the management platform

Supporting BACnet communication with a ventilation panel,

e.g. when using a Desigo™ PX controller: information that is relevant with regard to fire dampers is displayed as binary or multi-state BACnet objects Retention of the fire dampers setting during configuration changes at the control panel – Control of two fire dampers per FDCIO222 or

Category W – wall mounting Red LED White LED High: W-2.8-8.8 Mid: W-2.4-7.5 High: W-3.2-10

Certified for optical alarming according EN 54-23

– Additional light intensity setting (supplementary optical indication) designed for system extensions or migration. Ceiling devices Category C – ceiling mounting White LED Red LED High: C-3-12 Mid: C-3-10 High: 0-4-15 Mid: C-3-12

1. Order the service

"Conversion of voice

message FDSS227" to

specific audio library

2. Order customer-specific

devices (..-C) with custom

create a customer-

audio library ID

Low: 0-2.5-6.5 Low: 0-2.5-6.5 O = Open category: Ceiling mounted, cylindrical coverage as category C

Mid: W-2.4-7.5 Low: 0-2-6.2 Low: 0-2-6.2 O = Open category: FDCIO224 possible Wall mounted, cubic coverage as category W

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