




R37/9007

# SIEMENS

Building Technologies



## SIGMASYS C Multifunctional danger alarm control and indicating panel

# SIGMASYS C multifunctional danger alarm control and indicating panel

- **Danger alarm control and indicating panel for fire alarm systems (BMT), intrusion alarm systems (IMT) and technical messages**
- **Up to 512 detectors from the SIGMALOOP system can be connected**
- **Can be networked with SIGMASYS C, M, L and D100 control and indicating panels as well as operating panels**
- **Free operation, indication and control opportunities via SIGMANET for all users throughout the network**

## Application

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The SIGMASYS C multifunctional danger alarm control and indicating panel is used in fire and/or intrusion alarm systems for parallel processing of fire, intrusion and technical messages.

Detector groups that can be parameterized to the specific customer, individual plain texts, and application-specific links and programs permit high flexibility with regard to optimum adaptation to the concrete application.

## Description

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The SIGMASYS C control and indicating panel is a compact control and indicating panel with 4 SIGMALOOP monitored alarm lines.

All the necessary functions are integrated on the system board, which also controls and monitors data traffic with the peripherals.

The measured values detected are compared against stored patterns, evaluated, and interference variables simultaneously hidden. If an alarm occurs, the system computer initiates output of the message on the display and triggering of controllers and alerting equipment in accordance with the parameter data.

The SIGMASYS C control and indicating panel can be networked with other SIGMASYS C, M, L and D100 control and indicating panels as well as SIGMANET operating panels via the failsafe SIGMANET.

The bidirectional transmission protocol used by SIGMANET means that the entire system retains its full functionality even in the event of a line fault. Malfunction of a user does not result in interruption of data transmission between the remaining users.

## Features

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An automatic self-check and hardware redundancy provide excellent failsafe performance.

512 elements from the SIGMALOOP product family can be connected to 4 loops, i.e. a maximum of 128 elements per loop. 512 detector groups can be formed.

The SIGMASYS C multifunctional danger alarm control and indicating panel can be networked with other control and indicating panels (SIGMASYS C, M, L, D100) and SIGMANET operator panels.

## Expandable

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- Up to 1700 address elements
- Up to 512 detector groups
- Up to 89 ranges

## Interfaces

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- Networking and coupling with other SIGMASYS control and indicating panels
- Operating panels
- Danger manager
- Printer
- Fire brigade operating panel (FBF)
- Fire brigade indicator panel (FAT)
- Key depot

## Conformity with standards

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### Intrusion alarm systems:

- DIN VDE 0800 und DIN VDE 0833
- VdS Richtlinien für ÜMA/EMA2311
- Quality management system certified to ISO 9001

### Fire alarm systems:

- DIN EN 54 Parts 2 and 4
- DIN 14675
- Quality management system certified to ISO 9001

## Approvals

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VdS approval		
- BMT		G297012, S297012
- IMT		G197085 / Klasse C
DIBT approval		Z-6.5-1626



## Technical Data

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Mains connection	230 VAC /115 VAC (+10%/–15%)
Power supply unit	150 W
Output voltage	27.6 V DC at 20 °C
Number of loops	4/ alternatively 8 spur lines (can also be mixed)
Loop addresses	Max. 128 per loop
Connectible detectors and elements	SIGMABASE, SIGMAPLUS, SIGMAEXPERT, SIGMACON, SIGMASPACE
Dimensions (H x W x D) in mm	420 x 445 x 195
Housing color	Ergo gray (similar to RAL 7044)
Permissible ambient operating temperature	0 °C to +40 °C
Protection class (EN 60529)	IP40
Environment class (VdS 2110)	I
Relative humidity	<75%, short-term 95% without condensation
Weight	Approx. 10 kg

## Ordering information

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SIGMASYS C Sinteso control and indicating panel	S24230-C500-A7
SIGMASYS C Sinteso operating panel	S24230-F515-A2
SIGMASYS battery cabinet	S24230-C109-A1, for 2x 12 V/65 Ah batteries

The control and indicating panel complies with the relevant standards and regulations.

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