

SIEMENS



Desigo™ Fire Safety – control panels for versatile applications

Flexible system design, scalable to meet future requirements

Answers for infrastructure.



Desigo Fire Safety: innovation based on trusted experience from Siemens

Desigo™ Fire Safety is a comprehensive fire safety system for fast, reliable fire detection, as well as alarm signaling and control. It is designed to protect lives and assets and to prevent production losses, thereby safeguarding your company's buildings and survival. Desigo not only defines the technological state of the art, but also offers a high level of flexibility and scalability, as well as compatibility with existing and future products.



Different control panels for versatile needs

High level of flexibility

The Desigo networkable fire control panels provide the flexibility you need:

- Up to 252 devices can be connected to the FC2025
- Up to 504 devices can be connected to the FC2050
- Up to 16 panels can be networked via an FCnet/SAFEDLINK network

This makes Desigo a scalable solution that can easily answer future changes in system design or building structure. FC2025 and FC2050 can also be optionally integrated into the Siemens management station.

Intelligent technology to increase safety

FC2025 and FC2050 have an integrated degrade mode that is automatically activated. It ensures that devices and other panels that are operating normally are activated in the event of failure in another part of the system – and thus reach security personnel, occupants, or the fire department. Furthermore, the panel software continuously checks the panel to ensure proper operation.

Everything in view and under control

The FT2050 can be conveniently located to allow quicker reactions to faults and alarms. From this location, users can view and control all events and functions of the entire network. The FT2014 remote display and FT2015 remote terminal locally display alarms, faults, and shutdowns using the same event text as a control panel. The FT2015 also allows users to acknowledge, silence, and reset events.

Standardized operating concept

All panels follow the same operating concept and are based on the same hardware and software platform, resulting in less training and familiar operation in the case of an event.

Improved service with remote control

- Desigo Fire Safety View provides:
- Remote monitoring and full system view
 - Supporting tools from planning to testing and configuration

These functions improve servicing over the system life cycle and reduce the need for on-site maintenance.

Highlights

- Networkable panels keep system scalable and increase flexibility
- Degrade mode ensures basic system operation and notification
- Remote system operation away from the panel with FT2050
- Local display of alarms, faults, and shutdowns with FT2014 and FT2015
- Standardized operating concept for all control panels, terminals, and displays
- Simple, safe, stress-free operation in case of an event
- Improved servicing thanks to Desigo Fire Safety View

Control panels and fire terminals at a glance

FC2025 control panel	FC2050 control panel
 <ul style="list-style-type: none"> - Connects up to 252 devices on one to four circuits - Optional releasing module available - Supports 2 NACs expandable to 4 - Application areas: <ul style="list-style-type: none"> • Industrial buildings/ manufacturing facilities • Smaller hotels • Data centers • Telecommunications • Power generation 	 <ul style="list-style-type: none"> - Connects up to 504 devices on two to eight circuits - Optional releasing module available - Supports 2 NACs expandable to 4 - Application areas: <ul style="list-style-type: none"> • Shopping malls • 1- and 2-floor office buildings • Small industrial facilities • Small to mid-size hotels • Data centers • Schools • Libraries
FT2014 remote display	FT2015 remote terminal
 <ul style="list-style-type: none"> - Local display of alarms, faults, shutdowns - Usually used as an alerting station, such as a maintenance area or in a facility manager's office in an office building 	 <ul style="list-style-type: none"> - Local display of alarms, faults, shutdowns - Additionally provides basic functions: <ul style="list-style-type: none"> • Acknowledge • Reset • Silence • Customized functions like fan restart, system disarm, or system drill - Usually used at secondary building entrances at schools etc.
FT2050 fire terminal	
	<ul style="list-style-type: none"> - Offers the same view, control functionalities, and maintenance and reporting capabilities as control panels - Allows full access to system controls and maintenance at additional points in a building <ul style="list-style-type: none"> • In a hotel lobby, for example, a control panel can be installed where it is inconspicuous and the terminal is in a more accessible area



From detectors to panels – complete protection

A complete fire protection solution from one source

Safety is a deep-rooted, fundamental need. That's why solutions that reliably protect people, assets, and processes against fire, smoke, and carbon monoxide play such a crucial role. Desigo Fire Safety comprises everything needed for comprehensive fire protection:

- Fire detectors with excellent reliability prevent false alarms and meet the requirements of the fire safety and carbon monoxide codes NFPA 72 and NFPA 720.
- Control panels, fire terminals, remote terminals, and displays provide full system view and are easy to operate, even in the case of an event.
- Complete range of peripherals, ranging from notification devices to manual alarm stations.

Safe, precise, and reliable

Reliable detection, fast notification, quick response – Desigo sets the standard in all three areas, including:

- Redundant sensors that increase the reliability of the fire detectors.
- Forward and backward light scattering technology that ensures enhanced sensitivity to actual fires and practically eliminates false alarms.
- All detectors with **ASAtechnology™** come with a No False Alarm Guarantee.

A special carbon monoxide (CO) detector detects CO, whether generated by or independent from fire. Fast, fault-tolerant communication between FDnet devices and the control panels increases system reliability. The control panels allow simple, intuitive operation, plain text displays, and clear instructions, which allow security personnel to focus on the event.

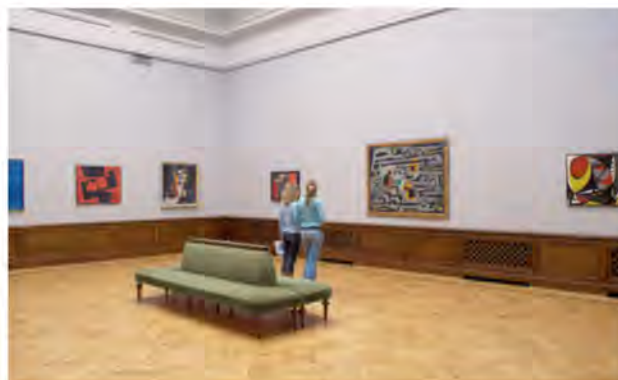
Meeting every need from “standard” to “special”

Desigo is a homogeneous family of fire detectors and control panels whose models are all compatible. From standard to special situations, it's easy to realize the benefits of this comprehensive system:

- ASA detectors from the S-LINE range are excellent for sophisticated applications with deceptive phenomena. They offer more than 20 detection profiles for different environments including data centers, power generation, utility rooms, warehouses, manufacturing, parking garages, and ducts. This means you can cover all applications with one detector.
- The C-LINE detector portfolio is a cost-effective option for standard applications.
- The different control panels increase flexibility in system planning and keep your system scalable for the future.

Highlights

- Quick, reliable detection of fire, smoke, and carbon monoxide
- Simple panel operation with easy access to all functions
- Systems custom built according to your safety and budget needs
- Reliable detection confirmed by the S-LINE detector's No False Alarm Guarantee



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly

growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the preferred partner for energy-efficient, safe, and secure buildings and infrastructure.”