

SIEMENS



Desigo™ Insight **Sinteso FS20 operation with Desigo Insight, V6.0** **User's guide**

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1 About this document

1.1 Revision history

Version	Date	Changes	Section	Pages
0.1	11.2009	First draft		
1.0	18.3.2010	Final version 1		44
2.0	31.1.2011	Support of FS20 MP3 Support of 450 zones		
3.0	04.08.2015	Security		

1.2 Reference documents

Ref.	Document title	Document type	Document number
1	Operating the management station	Quick guide	CM110490de_02
2	Operating the management stations, Volume 1	User's guide	CM110588de01_02
3	Operating the management stations, Volume 2	User's guide	CM110588de02_02
4	Sinteso TM FC20xx	User's guide	008838

1.3 Before you start

1.3.1 Trademarks

The table below lists the third-party trademarks used in this document and their legal owners. The use of trademarks is subject to international and domestic provisions of the law.

Trademarks	Legal owner
BACnet TM	American National Standard (ANSI/ASHRAE 135-1995)
CitectSCADA TM	Schneider Electric (Australia) Pty Limited see citect.com
Microsoft ...	Microsoft Corporation see http://www.microsoft.com/TRADEMARKS/t-mark/nopermit.htm
Windows ...	Microsoft Corporation

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1.3.2 Copyright

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1.3.3 Quality assurance

These documents were prepared with great care.

- The contents of all documents are checked at regular intervals.
- All necessary corrections are included in subsequent versions.
- Documents are automatically amended as a consequence of modifications and corrections to the products described.

Please make sure that you are aware of the latest document revision date.

If you find any lack of clarity while using this document, or if you have any criticisms or suggestions, please contact your local POC at the nearest branch office.

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Before using our products, it is important that you read the documents supplied with or ordered at the same time as the products (equipment, applications, tools etc.) carefully and in full.

We assume that persons using our products and documents are authorized and properly trained and have the requisite technical knowledge to use our products as intended.

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- From the support team in the headquarters fieldsupport-zug.ch.sbt@siemens.com if no local POC is available.

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- improper and / or incorrect use;
- Failure to comply with safety-related information contained in the documentation or on the product;
- defective or non-performed maintenance.

This guide is drafted to the best of our knowledge. The guide's content is reviewed on a regular basis and modified to the latest standards. We cannot, however, assume a guarantee for the completeness or quality of the information contained herein.

We in no way assume any liability for problems arising from the use of this guide. Information contained in this guide may be changed at any time without prior notification. We reserve the right to publish changes by issuing updated versions or new editions.

1.4 Document validity

This document is valid for the Desigo Insight management station software, Version 6.0, or higher together with Sinteso FS20 MP3.

The description in the document refer to the Desigo Insight system with BACnet™ Protocol Revision 1.5.

Local differences in operation or processes may be caused by:

- Windows user rights.
- Windows Terminal Server user rights.
- Network configurations.
- Operator security restrictions.
- Scope of purchased software.
- Engineering defaults for the plant.

1.5 Target audience

The guide is oriented toward primary users of the Desigo Insight system responsible for monitoring and managing objects as well as all safety-related events in the building. You can operate the following after reading the documentation:

- Changeover to day / night operation (operating mode).
- Acknowledge / reset alarm events.
- Run service functions.
 - Test groups of detectors (zones).
 - Change detector sensitivity.
 - Switch off groups of detectors (zones).

Note

This is only a portion of Desigo Insight documentation. Read the following documents to be more familiar with the program and its workflows:

CM110490	Operating the management station	Quick guide
CM110588	Operating the management station	Operating instructions
08838	Sinteso™ FC20xx / FT2040 Fire detection control panel / Fire terminal	Operation

1.6 Document conventions



Caution

Users with access can change or delete data. When you see the symbol to the left, data may be lost *irretrievably*.



Hint

The symbol to the left denotes information that helps you properly operate and use the programs. This information is based on experience; we strongly suggest that you observe all hints.

Important note:

Important information is printed on a gray background.

1.7 Terms

Exclude	To disconnect a detector or turn-off a section. Both actions trigger an Exclusion event.
Exclusion	A type of event. An Exclusion alarm occurs when the state of a detector or sections has changed, creating a situation that could be a security risk, such as the disconnection of an intrusion detector that monitors a high-security area.
Section	Level in the detection tree for a fire detection system. It serves to compile groups or zones.
Alarm	A type of event. A notification that there is a situation that may become a problem and escalate to Severe alarm, and requires immediate attention from the operator. An alarm can (but not exclusively) be triggered by a robbery or fire. See warning as well.
Anomaly	A type of event. An Anomaly is a reminder that something in the system is not normal, and that the situation may have an impact on your decisions. Like exclusions, this event indicates that a detector or group of detectors (zone) has changed. For example, an impaired detector will generate an Anomaly (where the physical configuration is wrong for the detector type – this can occur when a detector is replaced by one of another type).
Area	A group of sections. The highest level of the logical structure (Area, Section, Zone, Element).
Night mode	The normal night time settings of the detectors in the plant. . With intrusion, the detectors are typically set'; with fire, the detectors are typically 'unmanned'.
Drift	A type of fault. When a fire detector has drifted, it is dirty and needs to be cleaned in order to function properly.
Switch on	Switch on a zone or section that was previously switched off.
Element	Typically a detector, in the parlance of control units.
Group	A group of detectors (or elements). The term "group" is used in the following panels: CC11, CZ10, CS440, CS4. Different terms are used to two other panels. For ST11, it is still referred to as a "function" and "address" for CZ12.
Advisory	A type of event. A notification that something in the system or the plant has occurred that you should be aware of. These are not situations that require any action on your part, but may affect how you react to other events. For example, an Advisory may occur when the system has changed from Night mode to Day mode. Another common cause of Advisories is when detectors have been switched to test mode, and then again each time a detector is triggered for the test.
Non-default	A type of event. A Non-default event always indicates that the detector is still on and functioning, not that it has been excluded in any way. It is generated when a detector (or area, zone, etc.) is functioning properly, but has been switched so that it behaves differently from when it's in its usual (or default) state. For example, if a fire detector is set to a higher or lower sensitivity level, or a detector or group of detectors is set to maintenance mode, a Non-default alarm will be generated.
Fault	A type of event. A Fault alarm occurs when there is a technical problem, or failure of a detector or other security equipment.
Alarm	A type of event. A notification that there is a situation that may become a problem and escalate to Severe alarm, and requires immediate attention from the operator. For example, an Alarm may be caused by situations such as (but not limited to) a high concentration of smoke (more than a cigarette, but less than a fire), or sabotage of an intrusion detector.

1.8 Safety regulations

The section describes the danger levels and safety regulations relevant to the use of the Desigo Insight Management Station. Please carefully read the work instructions and the Section "About this document" prior to working with the system.

1.8.1 Country-specific standards

Siemens products are manufactured and developed per applicable international and European safety standards. Comply with country-specific and/or local standards or regulations on engineering, installation and/or operating the products in addition to the safety regulations mentioned in the product documentation.

1.8.2 Mounting, installation, commissioning and testing

- Enable safety, fire protection and third-party systems with responsible parties **only**.
- Comply with safety regulations for connected subsystems when working on operating stations. This is especially applicable to switching off system components.
- Inform impacted people prior to testing alarm devices and make due consideration of possible panic situations.
- Inform alarm and fault receiving stations connected to the system prior to conducting tests.

1.8.3 Changes to system design and products



Changes to a system or individual products may result in faults or functional errors.

Please get written approval from Siemens Building Technologies, FS-DMS and appropriate security officials prior to instituting intended changes and system supplements.

2 Security

2.1 Product Security Disclaimer

Siemens products and solutions provide IT-specific security functions to ensure the secure operation of building comfort, fire safety, security management and physical security systems. The security functions on these products and solutions are important components of a comprehensive security concept.

It is, however, necessary to implement and maintain a comprehensive, state-of-the-art security concept that is customized to individual security needs. Such a security concept may result in additional site-specific preventive action to ensure that the building comfort, fire safety, security management or physical security system for your site are operated in a secure manner. These measures may include, but are not limited to, separating networks, physically protecting system components, user awareness programs, in-depth security, etc.

For additional information on building technology security and our offerings, contact your Siemens sales or project department. We strongly recommend signing up for our security advisories, which provide information on the latest security threats, patches and other mitigation measures.

<http://www.siemens.com/innovation/de/technologiefokus/siemens-cert/cert-security-advisories.htm>

3 Introduction to Desigo Insight

General

The Desigo Insight management station offers a single, user-friendly access to your plant's entire security network. And it does not matter whether your security network is limited to a single floor or includes multiple buildings: Desigo Insight monitors and controls each device and location within the system.

Desigo Insight supports event handling

Desigo Insight sends out an alarm on a safety-related event, prepares important information and guides you through the event handling process.

Desigo Insight helps you monitor and control your plant's security system.

You can monitor and change the state of an area, panel, an individual device or even individual device properties. You can easily disable and once again enable certain areas and devices during routine activities such as maintenance or tests. You can also control access by closing / opening doors.

Desigo Insight logs history

Desigo Insight logs each event and action and provides powerful search engines to allow you to find and export the required data for "offline analysis".

Desigo Insight is tailored to your specific needs

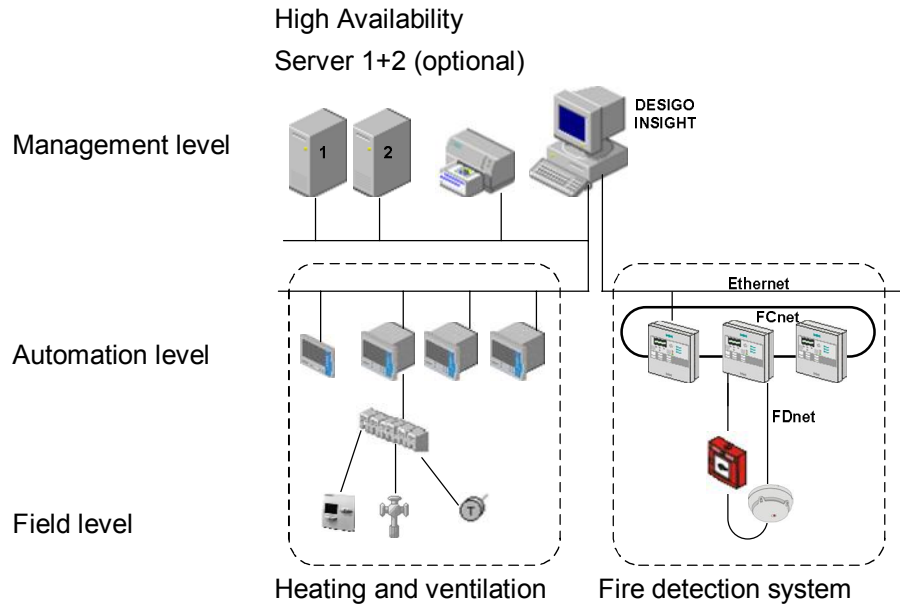
Desigo Insight can be configured (Scopes), to precisely tailor to the needs of your plant and user profile. Anything not relevant to your duties is generally not included in "your" Desigo Insight. For example, "your" Desigo Insight will only alarm on fire safety events if you are a fire safety expert and forward safety and access control or heating and ventilation to the appropriate expert.

Specific needs of people on the different plants may vary considerably. The guide targets the primary function of Desigo Insight and deals with the most common responses expected of Desigo Insight when Sinteso FS20 is integrated.

4 System topology

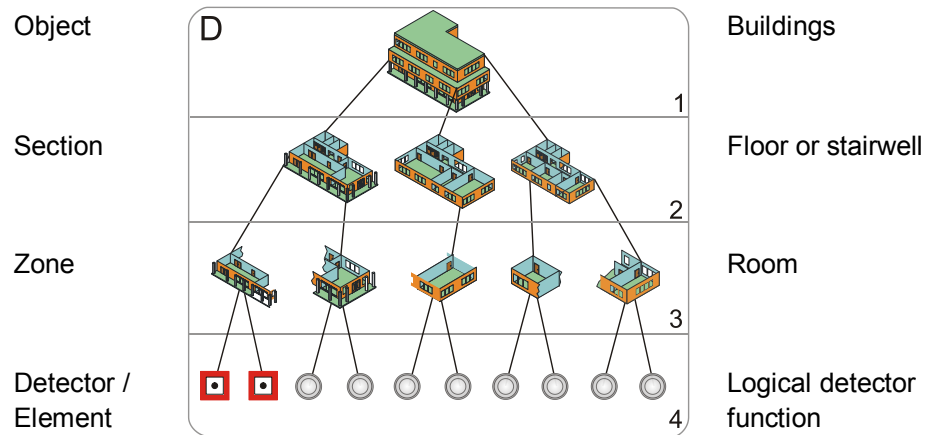
Topology

Desigo Insight offers a wide range of system topologies, so that it can be adapted to an unlimited number of individual requirements. For this reason, we can only provide a description of a general system topology.



Detection tree Fire detection system

The detection tree is a map of the geographic and functional conditions for a fire detection plant. It is adapted to the building structure and room use. The detection tree does not depend on the routing of the detector network.



5 Screen layout

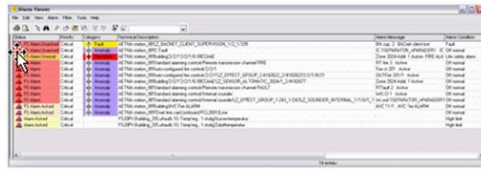
General

The section describes the applications required to operate Sinteso FS20. All other descriptions on the applications are available in the corresponding user guides.

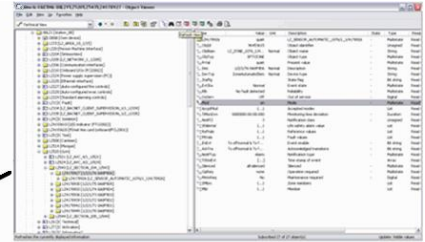
5.1 Applications

Overview

Alarm Viewer.

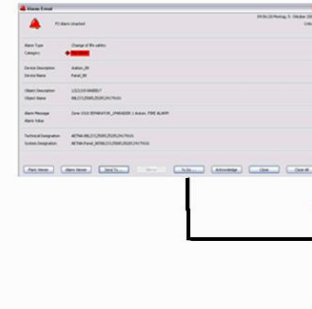


Object Viewer.



Plant Viewer.

Alarm Pop-Up

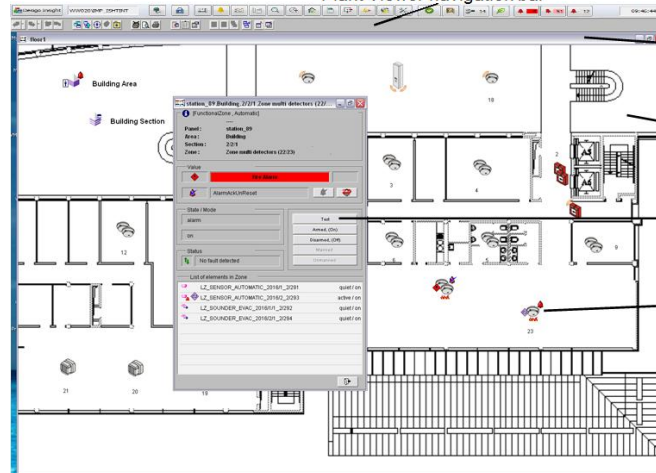


Instruction



DESIGO INSIGHT taskbar

Plant Viewer navigation bar



Title bar on the graphics page

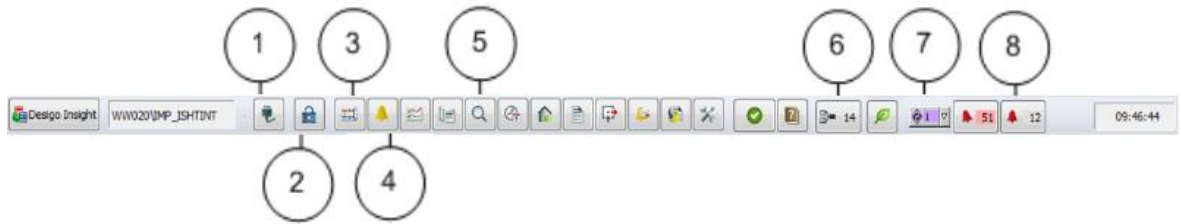
Static background

Supergenie

Genie

5.2 Desigo Insight taskbar

Taskbar



		Description	Application
1		Connect and disconnect sites (detail information)	
2		Lock and log off user	
3		Display and edit plant graphics.	Plant Viewer.
4		Display and acknowledge alarms.	Alarm Viewer.
5		Display and operate objects.	Object Viewer.
6		Site overview.	
7		Display and go to fire alarms.	
8		Display and go to HVAC alarms.	

5.3 Alarm states












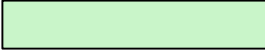


Alarm categories

Category	Icon	Colors
Fire alarm		Fire Alarm
Prealarm		Prealarm
Fault		Fault
Isolation		Isolation
Anomaly		Anomaly
Test		Test
Renovation		Renovation
Manned		Manned
Normal	-	Normal

Fire states

Brand Alarm state	Icon	Color
Unacknowledged		
Alarm		
Acknowledged		
Not reset		

Air conditioning states

HVAC Alarm State	Icon	Color
Unacknowledged		
Alarm		
Acknowledged		
Normal not acknowledged; not reset		
Normal not acknowledged		
Normal, not reset		
Disabled		

5.4 Graphic objects

5.4.1 Static objects

Static

Static objects cannot be animated in the graphics. Typical static objects include:

- Background image
- Texts
- Lines

5.4.2 Symbols

Static

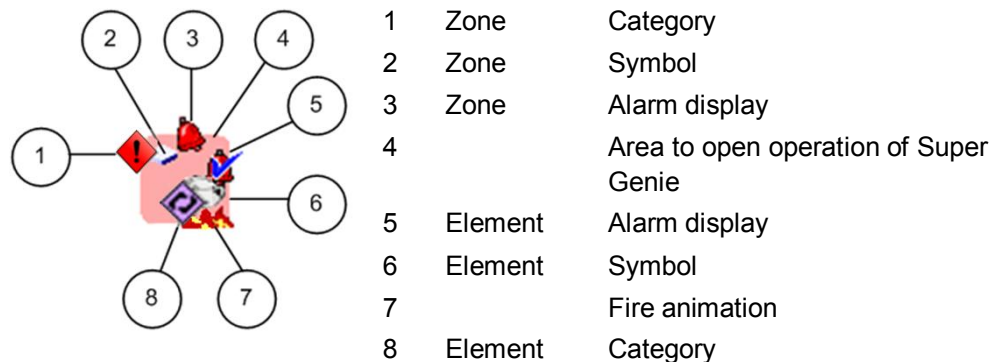
Symbols are graphic elements used to create plant graphics. Normally, they are simple, static elements. e.g. bitmaps of a fan, a piece of furniture, etc.

5.4.3 Genie (Visualization)

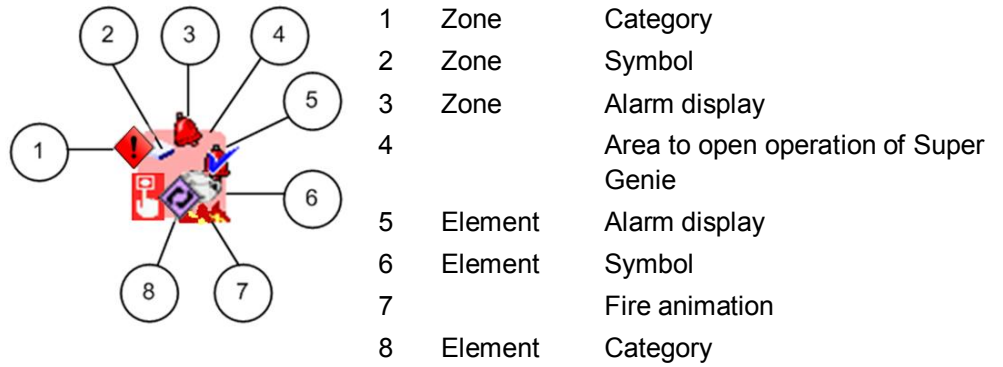
Animation

Genies are compilations of multiple graphical elements including symbols. Symbols can be animated by filling out the corresponding property sheets in the Graphics Builder (Engineering tool). The corresponding status information is merged with the graphic during runtime.

Automatic detectors



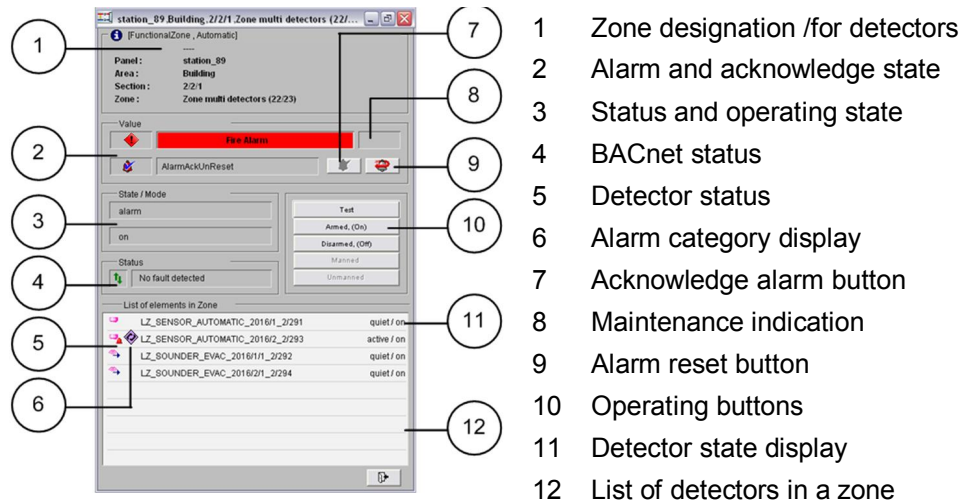
Manual detectors



5.4.4 Supergenie (operation)

Operation dialog box

Supergenies are located in the genie's operating window. You can use a supergenie to acknowledge alarms, reset or set a detector, for example, to operating mode test.



6 Start / exit Desigo Insight



Additional information is available in user's guide CM110588, Section 5.

6.1 Start Desigo Insight

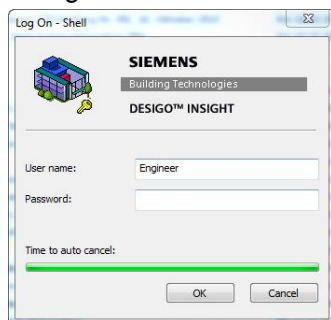
Manual start

1. Double-click the Desigo Insight icon on the Windows Desktop.
OR
Click **Start** on the Windows taskbar.
2. Select **Programs > Desigo Insight V x.x.**
3. Click **Desigo Insight** in this menu.
The Desigo Insight “splash” appears, indicating that the program is starting.

6.2 Log on

Manual

1. Click any of the buttons on the Desigo Insight taskbar to display the **Log On** dialog box.



2. Enter your user name and password . Note that the password is case-sensitive.
3. Click **OK**.

6.3 Lock / Log off


Note

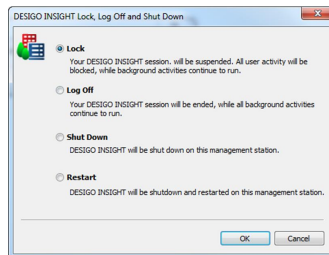
After logoff, all background Desigo Insight (e.g. online trend) activities continue, the connection is automatically maintained through a standby user.

6.3.1 Lock

Lock session

A Desigo Insight session can be locked, in order to prevent any further actions by the user. In this state, the background activities continue to operate as normal.

1. Click the **Lock/Logoff/Shutdown** button  on the Desigo Insight taskbar.
2. Select **Lock** option.



3. Click **OK**.

The taskbar indicates that the session is in the locked state.



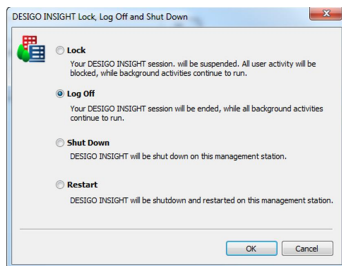
Automatic lock

After a predefined period of inactivity on the part of the user (definable in System Configurator, default 15 minutes), Desigo Insight locks automatically to prevent unauthorized system access.

6.3.2 Log off

Log off

1. Click the **Lock/Log Off/Shutdown** button on the Desigo Insight taskbar.
2. Select **Log Off** in the **Insight Lock, Log Off and Shut off** window.



3. Click **OK**.



Alarm recognition behaves per the following table when logging off the Desigo Insight session.

Desigo Insight:	Standby- User active	Alarm recognition
Lock	Yes	Yes
Log off	Yes	Yes
Shut off single workstation	No	No ^[1]
Shut off terminal server	Yes	Yes

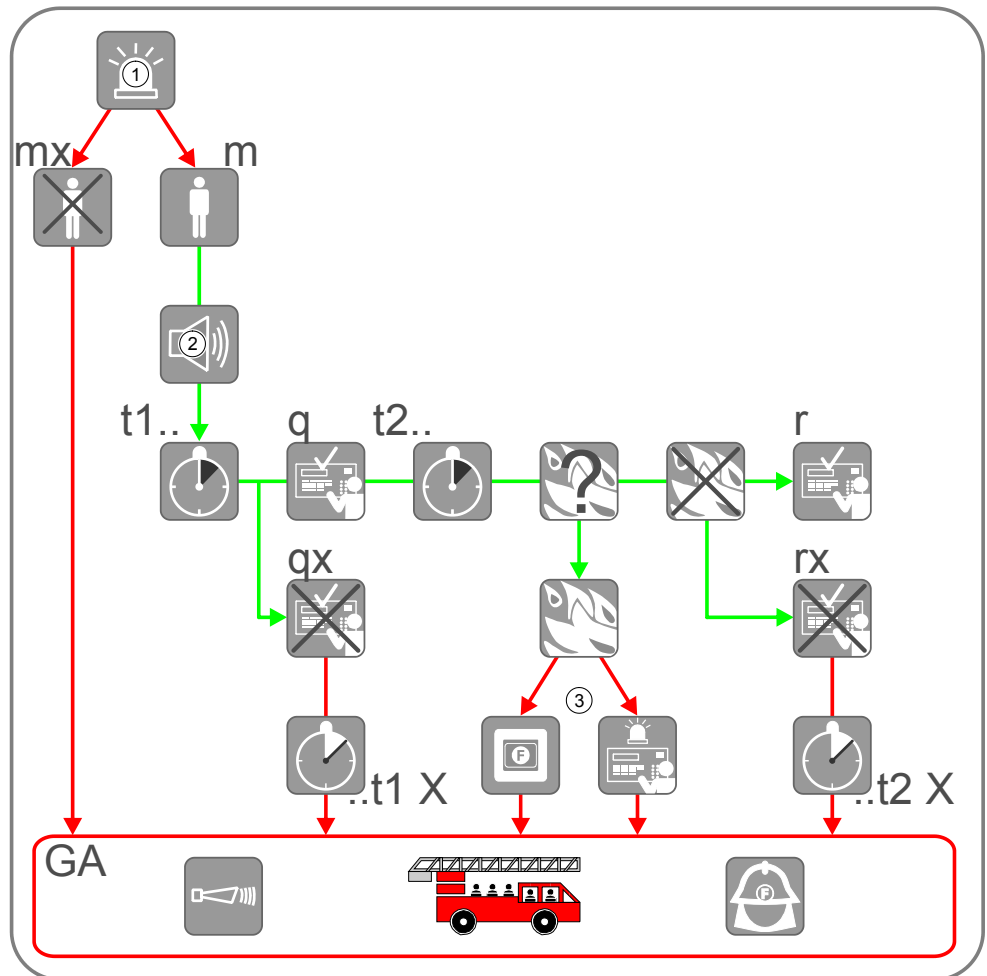
^[1] The Sinteso FS20 control panels function autonomously ensuring notification of the fire department independent of management station activity.

7 Change operating mode (manned/unmanned)

General

The Sinteso FS20 control panel is normally configured to automatically changeover operating mode from "Manned" to "Unmanned". The changeover from operating mode from Unmanned to Manned must, however, always be done manually. In other words, you must set the operating mode "Manned" upon entering the building on the Sinteso FS20 control panel (on-site) or via Designo Insight. The selected operating mode "Manned" gives you more time to locate the cause of an Alarm and deal with it locally before the fire department is notified. As a result, you can avoid e.g. unnecessary fire department deployment.

Event workflow:

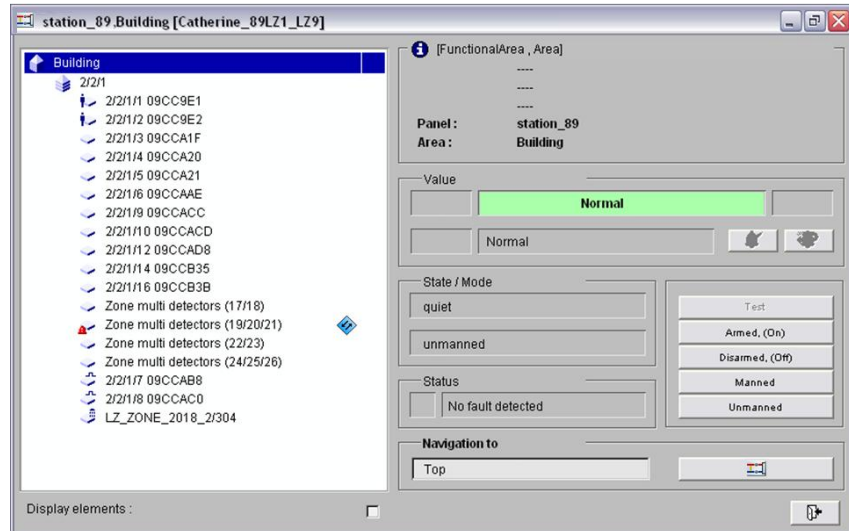


- | | |
|---|--|
| 1 Alarm event | q Acknowledge to station. |
| 2 Local alarm | qx Unacknowledged. |
| 3 Manual call points or <Alarm delay off> to station. | t2.. Time t2 to investigate the source of the alarm / fire location. |
| mx Operating mode "Unmanned" | ..t2X Time t2 expired. |
| m Operating mode "Manned" | r Reset to station. |
| t1.. Time t1 to monitor occupancy. | rx Not reset. |
| ..t1X Time t1 expired. | GA Global alarm. |


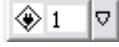
Change operating mode Manned

1. In the Plant Viewer, select the graphics page using the area symbol.

2. Click the area symbol . The operating dialog box opens.



3. Click **Manned**. The following actions are executed:

- The Sinteso FS20 panel switches to "Manned" operating mode.
- Logging on the Sinteso FS20 panel.
- The area symbol  displays the changed status.
- The Desigo Insight taskbar displays the symbol  (only if there are no higher alarm priorities pending).
- An alarm entry is written to the alarm database.
- The alarm entry is written to the log database.



The same actions as Desigo Insight are executed and logged if the operating mode is changed on the Sinteso FS20.

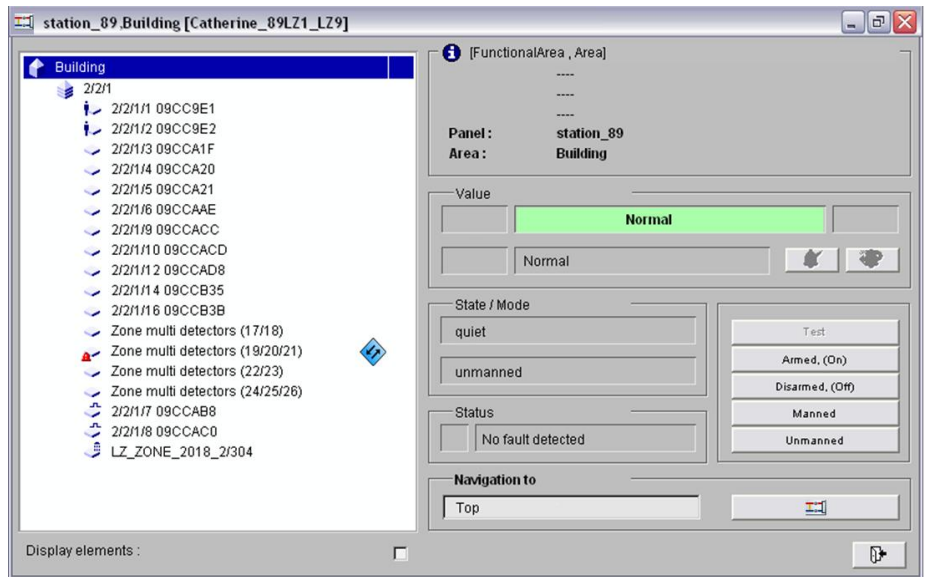


Desigo Insight supports 450 zones in the Isit view. If are more then 450 zones in a area engineer, a message will appear. No functional restriction in that case..



Change operating mode Unmanned

1. In the Plant Viewer, select the graphics page using the area symbol.

2. Click the area symbol . The operating dialog box opens.



3. Click **Unmanned**. The following actions are executed:

- The Sinteso FS20 panel switches to "Unmanned" operating mode".
- Logging on the Sinteso FS20 panel.
- The area symbol  displays the changed status.
- The Desigo Insight taskbar displays the symbol  (only if there are no higher alarm priorities pending).
- An alarm entry is written to the alarm database.
- The alarm entry is written to the log database.

8 Event handling

General

The section contains a description of event handling, a checklist of required steps as well as general principles to be aware of during event handling. Please note that this guide provides general guidelines on event handling. The exact workflows for each event must be considered on a case-by-case basis.

8.1 Handle alarm event

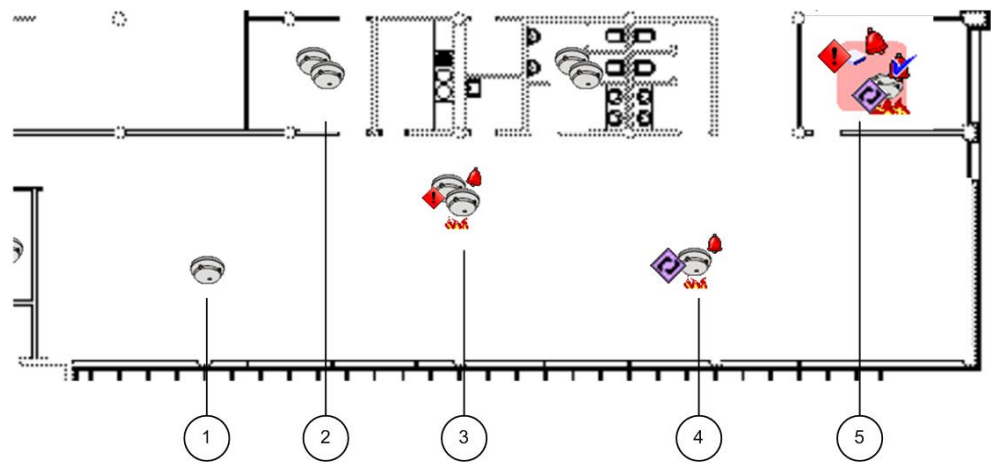
Avoid stress

An alarm event always includes an element of stress. What is it, how much time do I have to respond, is the event serious. These questions arise consciously or subconsciously for every alarm event.

As a consequence, it is important that you prepare mentally for this situation in advance and practice (and master) some standard scenarios on a regular basis. Learn the displayed symbols in advance and know how to interpret their meaning. This helps you avoid wasting time during an emergency. You must be able to quickly determine whether an alarm is false or just a small event. This is the only way to prevent alarming the fire department in a timely manner.

Alarm display

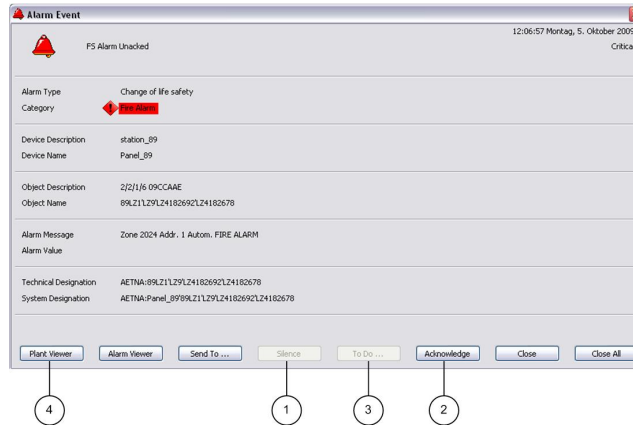
The user is visually (pop-up window) and acoustically (siren) informed of an alarm event (4 or 5) from the management station.




- 1 Detector for a zone (Normal state).
- 2 Zone (Normal state).
- 3 Alarm display for zone
- 4 Alarm display from one detector in a zone
- 5 Alarm display for detectors only in a zone




8.1.1 1. Acknowledge

Acknowledge with pop-up window




	Clicking	Action Type
1.	Silence	Turns off alarm siren for the Desigo Insight management station.
2.	Acknowledge	Acknowledges alarms on Sinteso FS20. <ul style="list-style-type: none"> Displays pop-up window as well as the new state (in the graphic) .
3.	Instruction	Opens instruction window. Follow the instructions form this guide.
4.	Plant Viewer	Opens the corresponding graphics page in the Plant Viewer and marks the alarm object. <ul style="list-style-type: none"> Print the graphics page if needed to troubleshoot the fault.

Acknowledge with pop-up window

- On the taskbar, click  to open the Alarm Viewer.
- Select  "FS Alarm Unacked" for the alarm entry that you intend to acknowledge.
- Click  The alarm is acknowledged and the siren is turned off.

Desigo Insight locked

Click in the pop-up window or on the taskbar  if Desigo Insight is locked or you have logged off. The logon window opens and you can now log onto the system.

8.1.2 2. Investigate and troubleshoot alarm cause

Real or false alarm




You must follow the workflows set forth by your organization to determine the source of an alarm and to decided whether or not the alarm is real or false. The alarm cause must be eliminated in all cases before resetting the alarm or closing the event. "Troubleshooting" an alarm cause means that you must be sure that the cause of the alarm – who or what triggered it – is taken care of, removed or extinguished. The alarm retriggers if an event is not eliminated prior to resetting the alarm.

If a fault causes a false alarm, switch of the defective device.

8.1.3 3. Reset

In the Alarm Viewer

You can only reset the alarm after eliminating the cause and this is normally done in the Alarm Viewer.

1. Click  to open the Alarm Viewer.
2. Select  "Normal not reset" for the alarm lines you want to reset.
3. Click . The alarm is reset and removed from the alarm table.
4. Click **Close** or **Close all**.

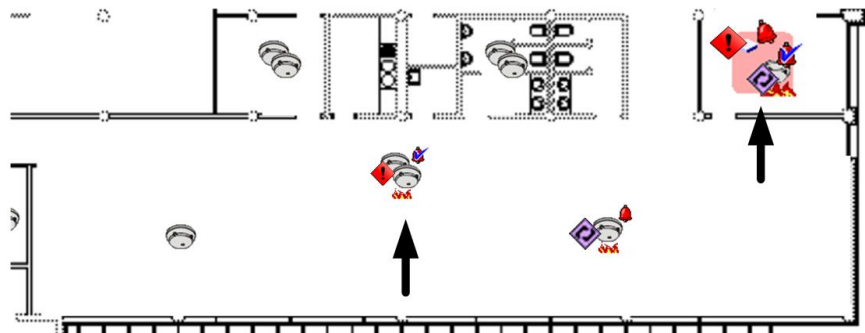


Select alarms that all have the same state to enable a multiple acknowledge or reset (see Sort). Highlight multiple lines with <Shift> or <Ctrl> key and select acknowledge or Reset.

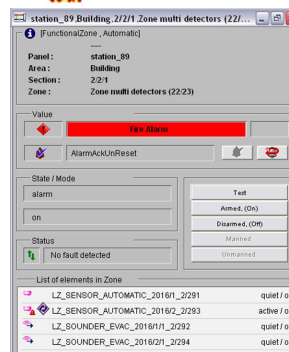
In the graphic:


You can only acknowledge and reset an alarm for just one zone.

1. Open the corresponding graphics page.



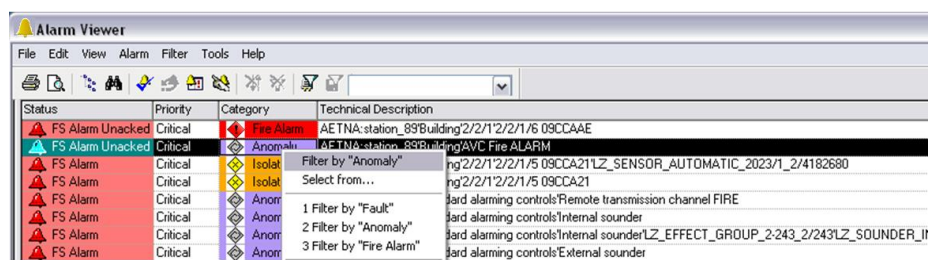
2. Click the zone symbol.





3. Click  and then close the operating dialog box. The alarm is reset.

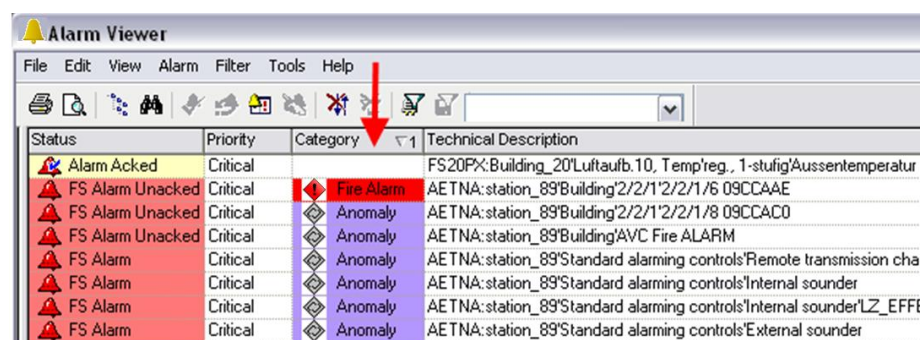
8.2 Filter and sort alarms in the Alarm Viewer


8.2.1 Filter



1. In the **Category** column, select the **Anomaly** cell.
2. Right-click and select **Filter by "Anomaly"**. The Category column  displays a filter symbol. All other priorities are hidden.
3. Click  to remove the filter.

8.2.2 Sort






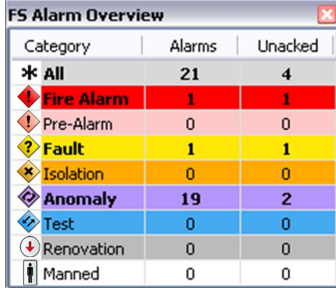
1. Click the column title you want to sort. The column state displays the sort symbol .
2. You can change or stop the sort by clicking again.











Additional information is available in user's guide CM110588, Section 4.9.6.x.

8.2.3 Filter from Desigo Insight taskbar

1. On the Desigo Insight taskbar, click  at  .
2. Click the category you want to filter.



Category	Alarms	Unacked
* All	21	4
 Fire Alarm	1	1
 Pre-Alarm	0	0
 Fault	1	1
 Isolation	0	0
 Anomaly	19	2
 Test	0	0
 Renovation	0	0
 Manned	0	0

The Alarm Viewer opens with the corresponding filter.

9 Service functions

Important

Inform all impacted offices prior to conducting a service function (e.g. in-house security, employees, fire department). See Section 1.8.2

User authorization

You must have the appropriate user privileges to conduct a service function.



Not all operating and service functions for the Sinteso FS20 panel can be conducted via the graphical interface. Such functions must be conducted with the Object Viewer. Select the appropriate object and run "Send to" Object Viewer to display the object in the system browser.

9.1 Test

The Test function described here is for testing the detector function only. No control function related to genuine Alarms will be activated. For this type of testing you would need to use a different function „installation test“. Let's stick to the „Test“ function:

Detectors must be tested on a regular basis to check that they are functioning correctly.

It is also possible to perform such testing for automatic detectors and for Manual Call Points.

Test mode can be activated at the zone or section levels.



The detector test is conducted using a detector exchanger. Detector exchanger communication must be enabled on the station to use the detector exchanger. Information is available in the Section Enable detector exchanger communication.



WARNING

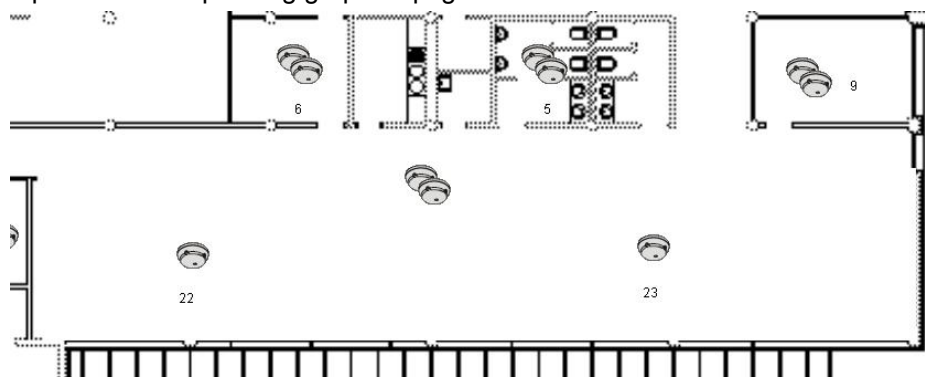
When the detectors are put into Test mode they are no longer able to generate any genuine Alarms. The area put into Test mode is effectively „out of service“. Fire can spread without notice.

- Use personnel to monitor the excluded area.
- You must switch on the excluded parts of the plant as soon as possible.


9.1.1 Test a detector or detector group

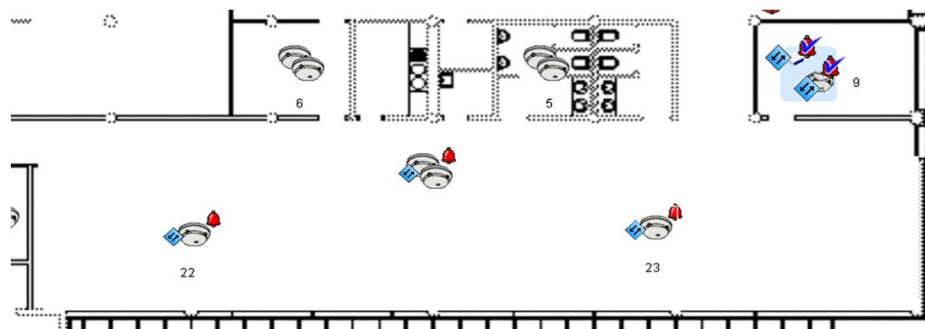
In the graphic:

1. Open the corresponding graphics page.



2. Select the section symbol , zone symbol , or detector symbol . The operating dialog box opens.

3. Click **Test** and then close the operating dialog box. The shut-off detector is displayed with the icon Test" .



You can now test the detector without forwarding an alarm.

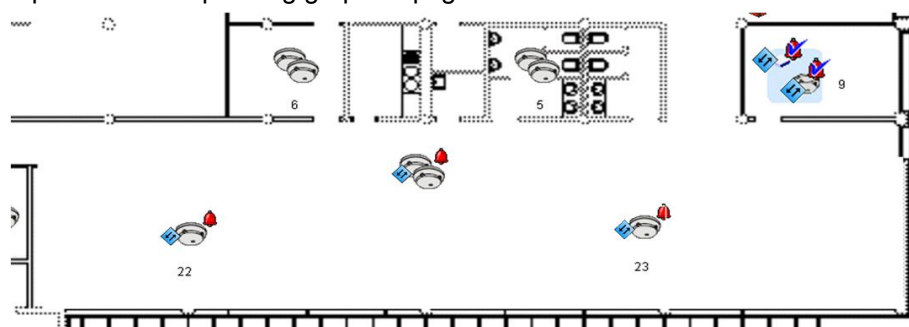
4. Check the detector via test gas or detector tester.



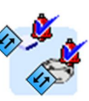
9.1.2 Reconnect the detector from test mode

After completing the detector test, you put the detectors back into normal mode via the superordinate node.

In the graphic:

1. Open the corresponding graphics page.



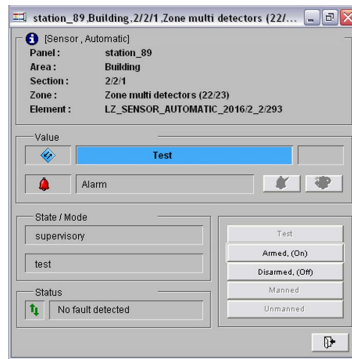
2. Select the section symbol , zone symbol , or detector 

symbol . The operating dialog box opens.

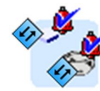
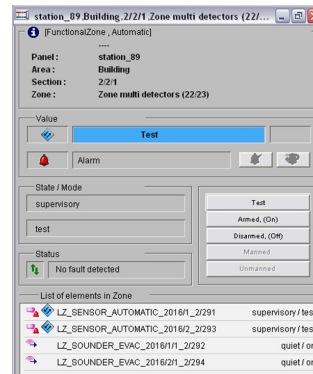
3. Click **Armed** and then close the operating dialog box. The detector or detector group is once again in a normal state.



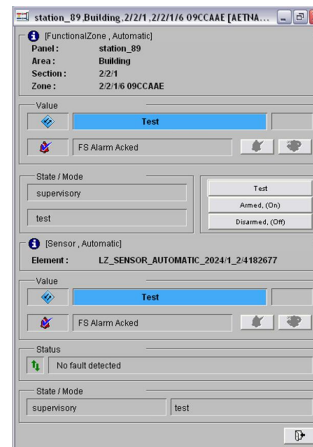
Open the Super Genie



Open the Super Genie



Open the Super Genie



9.1.3 Test a section

Using the Object Viewer


You must use the object view to set a section to test mode, since this version does not yet support the function in the Plant Viewer.

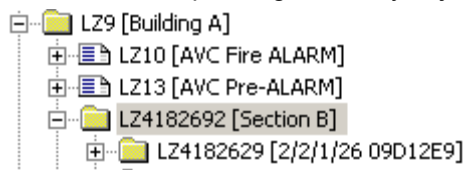


⚠ WARNING

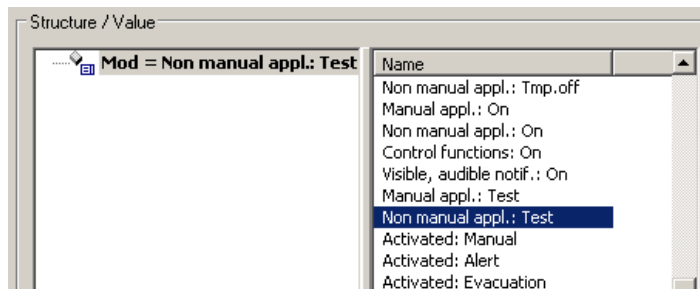
This function cannot be used for sprinkler systems.

Switch on test

1. In the Desigo Insight taskbar, click **Object Viewer** .
2. Go to the corresponding hierarchy object section.



3. In the right pane of the Object Viewer, double-click the structure value **Mod**. The structure value window opens.



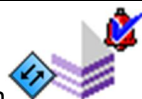
4. Select the following parameters for automatic or manual detectors:
Manual appl.: Test



Non manual appl.: Test




5. Click **Apply**. All zones for this section are switched to the test mode.
6. Check the detector via test gas or detector tester.



The test information for the section  is only displayed when the manual and automatic section is switched to the test mode.

Switch off test

1. In the Desigo Insight taskbar, click **Object Viewer** .
2. Go to the corresponding hierarchy object section.
3. Double-click value **Mod**. The structure value window opens.
4. Select parameter **On**.
5. Click **Apply**. All zones are switched to the test mode.

9.2 Renovation


Welding, renovate

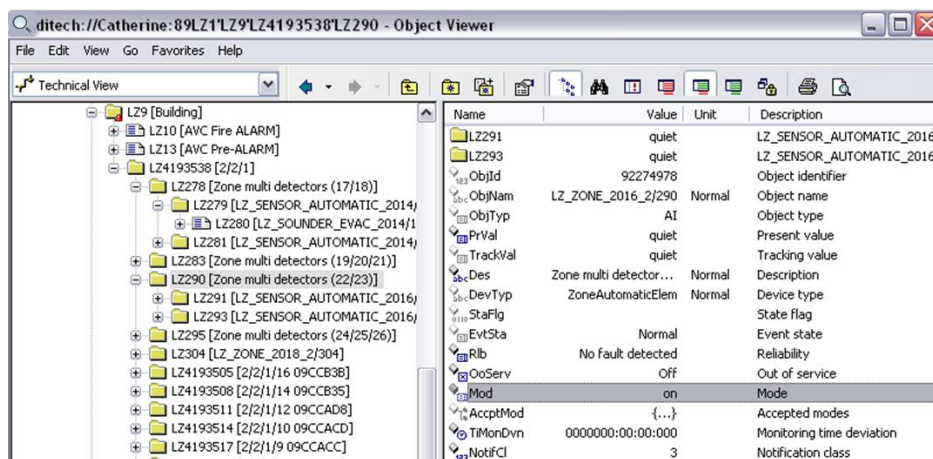
Switching to "Renovation" mode, lowers sensitivity of a detector or detector zone. Switch the detectors to this setting, for example, if maintenance, renovation or repair work in certain areas may generate false alarms. The response of the Sinteso FS20 panels remains the same for alarm forwarding, the detectors, however, require a higher concentration of smoke or dust concentration before a detector reports an event.

9.2.1 Change sensitivity

Change

This change is conducted with the Object Viewer and takes place on the "Zone" hierarchy level.

1. Click Object Viewer  in the Desigo Insight taskbar.
2. Go to the appropriate zone object and select the property **Mod**.



3. Double-click **Mod**. The Mod property window opens.
4. In the list, select **Slow** and click **Apply**. In the graphics, the changed state



"Renovation" is displayed.

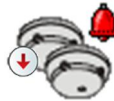
5. Click **OK** to close the Mod property window.


9.2.2 Reset sensitivity to "Normal"

Arm

The sensitivity must be reset to normal as soon as a protected area is once again in a normal state.

1. Open the corresponding graphics page.




2. Click the zone symbol . The operating dialog box opens.
3. Click **Armed** and then close the operating dialog box. The detector or detector group is once again in a normal state.

9.3 Exclusion

General

You can exclude parts of a plant to prevent false alarms or fault messages for certain situations, such as maintenance work.

The ISOLATION LED is lit on the Sinteso FS20 panel if part of a plant is shut off. In Desigo Insight, this is displayed with the icon "Isolation" .

What parts of a plant are excluded for the given situation depends on the detectors used as well as possible deceptive phenomena such as smoke, dust, heat or vapor.



WARNING

Excluded parts of a plant prevent the recording and processing of alarms or faults!
Fire can spread without notice.

- Use personnel to monitor the shut-off area.
- You must switch on the excluded parts of the plant as soon as possible.

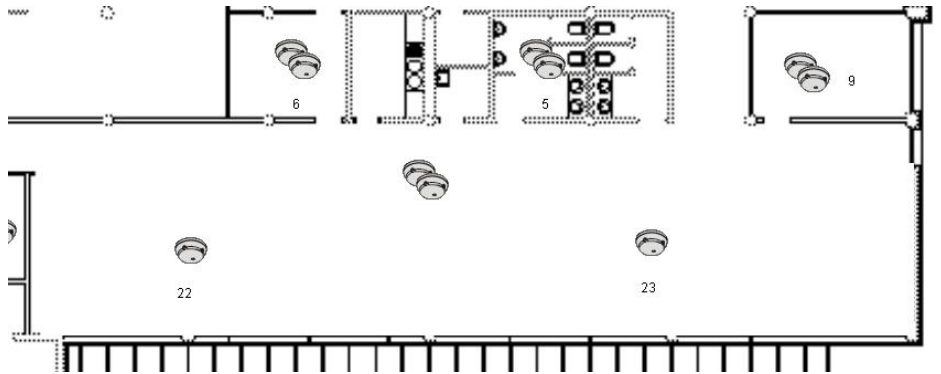




The section will also be displayed as excluded if the excluded group is the only group in a section.


9.3.1 Exclude a detector or detector groups

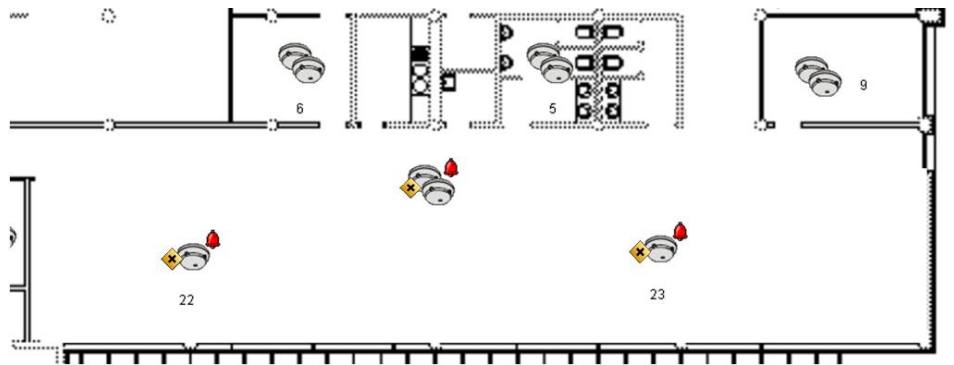
In the graphic:

1. Open the corresponding graphics page.



2. Select the section symbol , zone symbol , or detector symbol . The operating dialog box opens.









3. Click **Disarmed** and then close the operating dialog box. The shut-off detector is displayed with the icon "Isolation" .



4. Eliminate the cause of the fault and then reconnect the detector.



It is not displayed in the zone, if only one detector is excluded in a group of detectors (zone). It is only displayed when all the detectors for a zone are excluded.

Excluded:	Detector 1	Detector 2	Detector3	Zone
Individual detector				
All detectors				

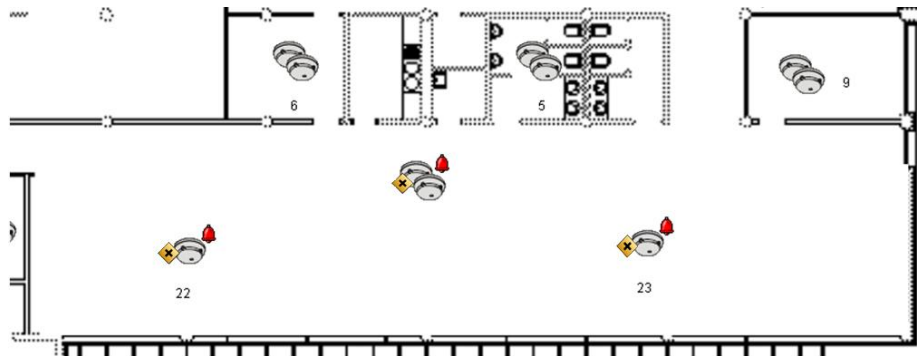
9.3.2 Reconnect on a detector or detector group




Arm

You must once again switch on a detector or section that is shut off for maintenance or testing as soon as the work is finished.

In the graphic:

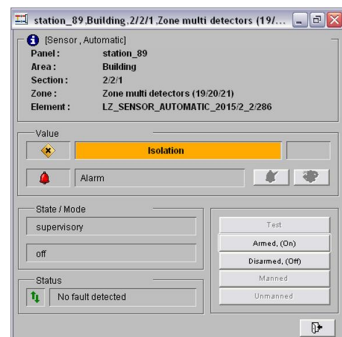
1. Open the corresponding graphics page.



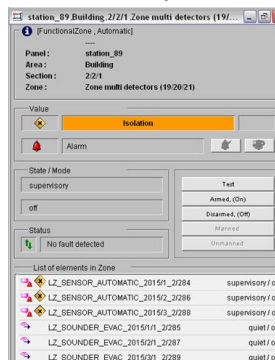
2. Select the section symbol , zone symbol , or detector symbol . The operating dialog box opens.
3. Click **Armed** and then close the operating dialog box. The detector or detector group is once again in a normal state.



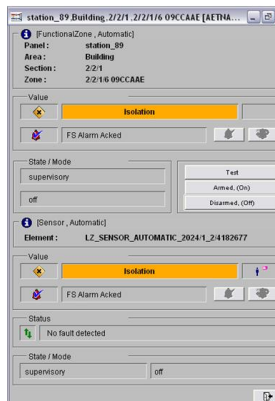
Open the Super Genie



Open the Super Genie



Open the Super Genie



10 Operate in the graphic

Special cases

This section describes a few special cases that are possible within Sinteso FS20 graphics, depending on project engineering.

10.1 Go to from Super Genie

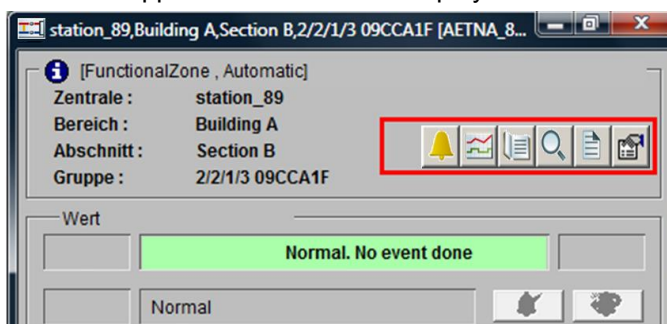
General

You can use buttons within an opened Super Genie to switch to the following applications:


- Alarm Viewer
- Plant Viewer (displayed the superposed object in the graphic)
- Log Viewer
- Object Viewer
- Report Viewer
- Data point properties

Change application




1. Open the Sinteso FS20 Super Genie.
2. Move the mouse level with the zone, section, area or panel in the designated area. The application buttons are displayed.

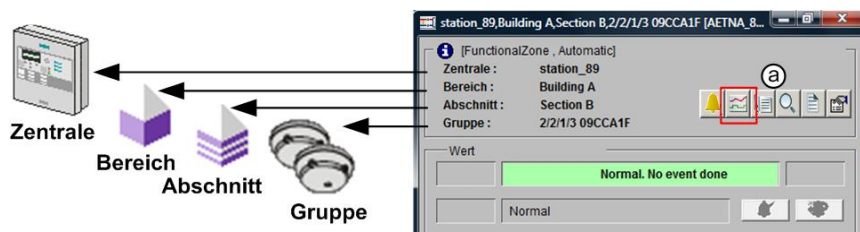


3. Select the desired application and click the button. The application is started with the filter active. In the Plant Viewer, the superposed object is displayed in

the graphic with an arrow  .


Find superposed object

1. Double-click the genie  for the corresponding detector.
2. Select the associated hierarchy in  .
3. Click  to go to the superposed object.





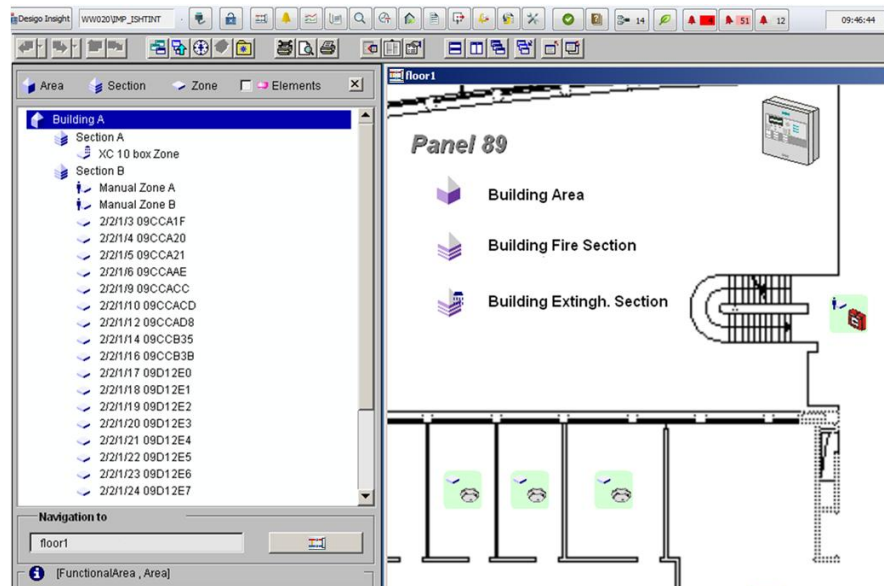
10.2 Alternative operation in the graphic

General

If the area genie  is configured left aligned, you can select the corresponding object in the object tree and go to the corresponding graphics page.

Find object

1. Click . The Super Genie is opened left-aligned and the graphics page is positioned to the right.
2. Select the appropriate object in the object tree.
3. Click  in the Super Genie.




The corresponding graphics page opens and the object is identified with a



blinking arrow for 3 seconds.




You should not navigate via the Plant Viewer taskbar if the Super Genie area is opened left-aligned  since the new page will open behind the Super Genie in this case.

10.3 Display Sinteso FS20 panel status

General




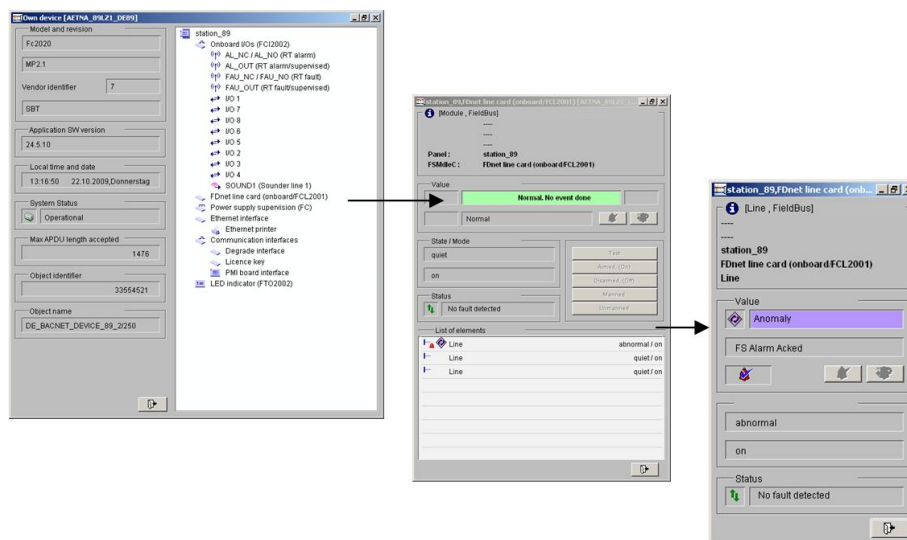
Click the panel symbol  to query the status of the Sinteso FS20 panel. Please refer to Sinteso FS20 documentation for more detail on status.

Cascaded operation

Click again on a list entry in the panel Super Genie to access lower levels of information.



1. Click . The operating dialog box opens.
2. Select the desired lines.
3. Click the line to go to a lower level of information.

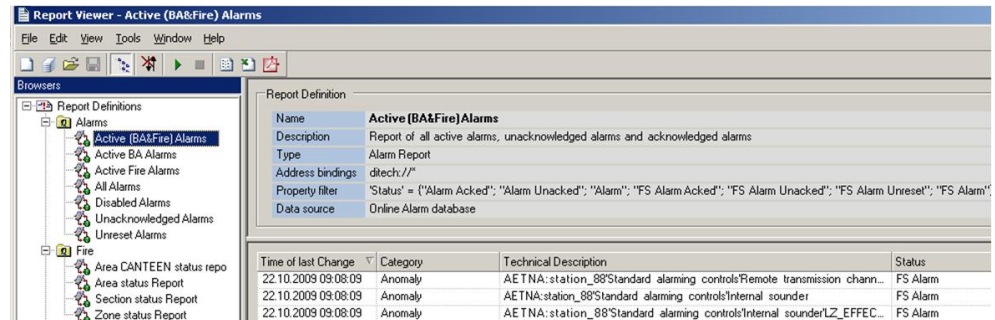


11 Create report


General

The Report function provides the following standard reports:

- Alarms
 - Active fire alarms
- Fire
 - Status report area
 - Status report section
 - Status report zone



Acquire data (column)

1. Click **Report Viewer**  in the Desigo Insight taskbar.
2. Click the **Report Definition** tab in the browser (lower left).
3. The browser displays all released report definitions. Right-click the desired report definition.
4. Select Run. The report template opens in the program window. The acquired data is displayed in the report table (it may take some time for a point report).









Create PDF document

1. Select Tools > Open in PDF format. The print preview is opened with the PDF document.
2. Print or save the document.














12 List of graphic objects












12.1 Icons

12.1.1 Category

	Fire alarm
	Prealarm
	Fault
	Isolation
	Anomaly
	Test
	Renovation
	Manned




12.1.2 Folder tree

















Icon	Hardware display in Super Genie
	Panels
	I/O module
	Remote transmission channel
	I/O
	Sounder
	FDNet
	Subline
	Power supply
	Printers
	PMI
	LED
	LED output
	Serial






Icon	Detection in tree view
	Area
	Section
	Zone A (Automatic)
	Zone M (Manual)
	Zone T (Technical, generic)
	Zone S (Sprinkler)
	Detector (Automatic)
	Detector (Manual)
	Zone FIs (flow detector)
	Element input (generic)
	Element output (generic)

 Maintenance (flashing)

12.2 Symbols

3 D Symbol	2 D Symbol	Description	Typ
		Area	Area
		Section	Section
		Sprinkler	Section
		Detector	Zone
		Zone with a single detector	Zone
		MCP	Zone
		Zone with a single MCP	Zone
		Zone with available inputs	Zone
		Sprinkler	Zone
		Detector	Elementr
		MCP	Element
		Flame	Element
		Smoke (Beam)	Element
		Sprinkler	Element
		Gateway for wireless detectors	Element
		Wireless Detector	Element
		Wireless MCP	Element
		Sounder	

		Base Sounder	
		Sounder	
		Technical input	
		Emergency exit	
		Generic output	
		Generic input	
		Key depot	
		Flow switch	
		Sinteso FS20 panel	
		Sinteso FS20 Expansion	
		XC10 panel	

Animation for Genie	Function
	Fire alarm
	Smoke alarm
	Fire alarm triggers (button)
	Alarm display
	Communication error

Note

Graphic symbols or operating elements may differ from documentation depending on the country or project.

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Subject to change