

SIEMENS



FC360 Panel Configurator

FC360 Desktop Editor 2.0

Operation Manual

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1 About this document

Goal and purpose

This document describes the configuration of FC360 fire detection system by using 'FC360 Panel Configurator' and 'FC360 Desktop Editor 2.0'.

Scope

The information in document [A6V10421795](#) is prerequisite for configuration of the fire detection system with 'FC360 Panel Configurator' and 'FC360 Desktop Editor 2.0'.

Target groups

The information in this document is intended for the following target groups:

Target group	Activity	Qualification
Commissioning personnel	<ul style="list-style-type: none"> Configures the product at the place of installation according to customer-specific requirements. Checks the product operability and release the product for use by the operator. Searches for and corrects malfunctions. 	<ul style="list-style-type: none"> Has obtained suitable specialist training for the function and for the products. Has attended the training courses for commissioning personnel.
Maintenance personnel	<ul style="list-style-type: none"> Carries out all maintenance work. Checks that the products are in perfect working order. Searches for and corrects malfunctions. 	<ul style="list-style-type: none"> Has obtained suitable specialist training for the function and for the products.

Document identification

The document ID is structured as follows:

A6Vxxxxxxxx_aaAA_vv

A6Vxxxxxxxx_--AA_vv

A6Vxxxxxxxx_aa--_vv

A6Vxxxxxxxx_----_vv

ID coding ¹	Description
A6Vxxxxxxxx	STEP-ID generated by the STEP system
_	Separator
aa	Language abbreviation in accordance with ISO 639-1
AA	Country abbreviation in accordance with ISO-3166-1
--	Multilingual or international
vv	Document version, single or double digit: a, b, ...z; aa, ab, ...az; ba, bb, ...bz; etc.

¹ Some documents have different IDs that are generated by an earlier system. There are also documents with up-to date ID codes along with additional features in the designation.

ID code	Examples
ID_languageCOUNTRY_version -- = multilingual or international	A6V10215123_deDE_a A6V10215123_en--_a A6V10315123_----_a

Date format

The date format in the document corresponds to the recommendation of international standard ISO 8601 (format YYYY-MM-DD).

Reference document and source language

- The source language of this document is English (en).
- The reference version of this document is the international version in English. The international version is not localized.

The reference document has the following designation:

ID_en--_x

x = version, en = English, -- = international

Conventions for text marking

Markups

Special markups are shown in this document as follows:

▷	Requirement for a behavior instruction
1. 2.	Behavior instruction with at least two operation sequences
–	Version, option, or detailed information for a behavior instruction
⇒	Intermediate result of a behavior instruction
⇒	End result of a behavior instruction
•	Numbered lists and behavior instructions with an operation sequence
[→ X]	Reference to a page number
'Text'	Quotation, reproduced identically
<Key>	Identification of keys
>	In addition to mathematical operator, for identification between steps in a sequence, e.g., 'Menu bar' > 'Help' > 'Help topics'

Supplementary information and tips



The 'i' symbol identifies supplementary information and tips for an easier way of working.

1.1 Applicable documents

Number	Name
A6V10421795	Technical manual, Fire control panel FC360

1.2 Abbreviations

Abbreviations	Explication
AVC	Alarm Verification Concept
EOL	End of Line
MCP	Manual Call Point
PSU	Power Supply Unit
PMI	Person Machine Interface
EVAC	Evacuation
DMS	Danger Management System
DAR	Delayed Alarm Reset

1.3 Download center

You can download various types of documents, such as data sheets, installation instructions, and license texts via the following Internet address:

<http://siemens.com/bt/download>

1. Enter the document ID in the 'Find by keyword' input box.
2. Contact Siemens if a document is unavailable in
<http://siemens.com/bt/download>.



You will also find information about search variants and links to mobile applications (apps) for various systems on the home page.

1.4 History of changes

The reference document's version applies to all languages into which the reference document is translated.



The first edition of a language version or a country variant may, for example, be version 'd' instead of 'a' if the reference document is already this version.

The table below shows this document's history of changes:

Version	Edition date	Brief description
d	2021-04-28	Some minor editorial changes.
c	2021-02-02	Structure change of the whole document. Added information such as installation and operation steps to fit the new structure. Added information about FC362-xx to the whole document.
b	2016-11-08	Deleted user manuals and Eng. Manuals information from chapter 5.4
a	2016-07-22	First version



The language versions and country variants produced by a local company have the same modification index as the corresponding reference document. They are not however included in the table below.

The table below shows the published language versions and country variants with the corresponding modification index:

Modification index	en_--	de_--	fr_--	it_--	es_--
d	X	X	X	X	X
c	X	-	-	-	-
b	X	-	X	X	X
a	X	-	-	X	-

X = published

- = no publication with this modification index

1.5 Cyber security disclaimer

Siemens provides a portfolio of products, solutions, systems and services that includes security functions that support the secure operation of plants, systems, machines and networks. In the field of Building Technologies, this includes building automation and control, fire safety, security management as well as physical security systems.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art security concept. Siemens' portfolio only forms one element of such a concept.

You are responsible for preventing unauthorized access to your plants, systems, machines and networks which should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. Additionally, Siemens' guidance on appropriate security measures should be taken into account. For additional information, please contact your Siemens sales representative or visit <https://www.siemens.com/global/en/home/company/topic-areas/future-of-manufacturing/industrial-security.html>.

Siemens' portfolio undergoes continuous development to make it more secure. Siemens strongly recommends that updates are applied as soon as they are available and that the latest versions are used. Use of versions that are no longer supported, and failure to apply the latest updates may increase your exposure to cyber threats. Siemens strongly recommends to comply with security advisories on the latest security threats, patches and other related measures, published, among others, under <https://www.siemens.com/cert/en/cert-security-advisories.htm>.

2 Program introduction and installation

2.1 Introduction

'FC360 Panel Configurator' and 'FC360 Desktop Editor 2.0' are used to configure FC360 fire control panel on a PC.

'FC360 Panel Configurator' is used to configure the panel directly. You can also use it to back up panel configurations to the PC for later modification in 'FC360 Desktop Editor 2.0' and then upload modified configurations to the panel.

'FC360 Desktop Editor 2.0' is an offline configuration tool in which you can update panel firmware and modify panel configurations at your convenience.



'FC360 Desktop Editor 2.0' is an upgraded version of 'FC360 Desktop Editor'. The former is for all FC360 fire control panels, whereas the latter is only for FC361-xx that hasn't upgraded to the firmware of FC362-xx (v02.xx.xx). The two different versions can co-exist on the same PC. Configurations modified in 'FC360 Desktop Editor' can be opened and edited in 'FC360 Desktop Editor 2.0'.

2.2 Installation

Only 'FC360 Desktop Editor 2.0' needs to be installed on a PC. 'FC360 Panel Configurator' is integrated into the panel.

Supported operating system

- Windows 10 Enterprise (64-bit)
- Windows 10 Professional (could be used only if Microsoft Visual C++ 2010 Redistributable Package (x86) is installed)

To install 'FC360 Desktop Editor 2.0'

1. Download and run the installation package from the web page of FC360 fire control panel (www.siemens.com/cerberus-fit).
2. Select the language and click 'Next'.
3. Click 'Next'.
4. Select a setup type and click 'Next'. If you've selected 'Custom', select a customized installation folder.
5. Click 'Install'.
6. Once the installation is finished, click 'Finish'.

3 Getting started

3.1 Starting the program

3.1.1 Supported web browsers

- Google Chrome Version 71 (or above)
- Microsoft Edge Version 81 (or above)
- Firefox Standard Version 77 (or above)

3.1.2 Starting 'FC360 Panel Configurator'

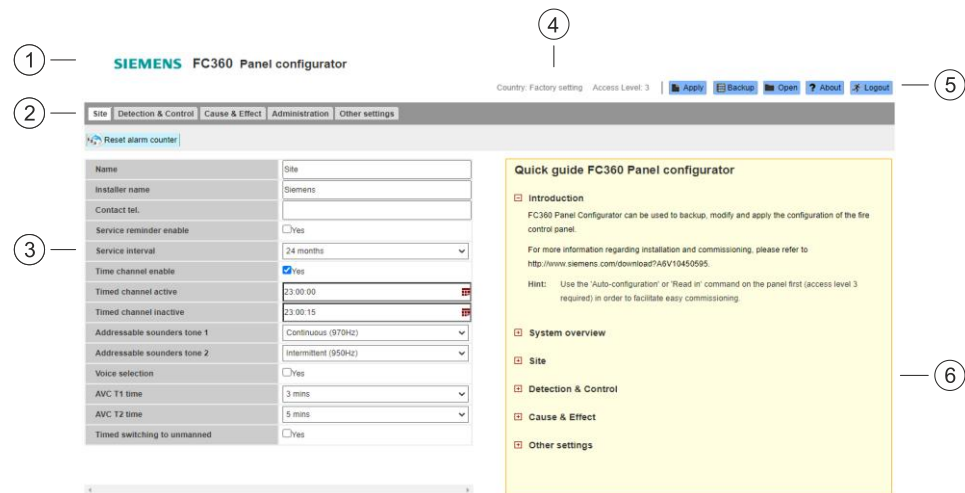
1. Connect a PC to the panel. See 'Connecting a PC to panel' for panel connection.
 2. Open a web browser.
 3. Enter 'http://fc360.siemens.com' in the address bar.
 4. Enter the password (9999 by default).
 5. Click 'Engineering tool'.
- ⇒ The tool is open.

!	<p>NOTICE</p> <p>Change the default login password for security reason. You can change passwords for different access levels under task card 'Administration' or from the panel.</p>
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3.1.3 Starting 'FC360 Desktop Editor 2.0'

1. Ensure the program (including 'FC360 Desktop Editor') is not open in a browser.
 2. Double click the software shortcut icon on the desktop or
 - In the taskbar, click 'Start' > 'Programs' > 'Siemens' > 'FC360 Desktop Editor 2.0'.
 3. Select 'Language:'.
 4. Click 'Enter'.
 5. Select 'Create a new configuration' for self-training purpose or 'Open an existing configuration' for existing configuration modification:
 - If 'Create a new configuration' is selected, select a country and detector line topology. Click 'OK' to finish.
 - If 'Open an existing configuration' is selected, a dialog window is open. Select a desired configuration file and click 'Open'.
- ⇒ 'FC360 Desktop Editor 2.0' is open and ready for modification and firmware update.

3.2 Program window overview



- 1 Title
- 2 Task cards
- 3 Information on the selected task card
- 4 Information on country and access level¹
- 5 Toolbar
- 6 Quick guide

¹ Applies to 'FC360 Panel Configurator' only.

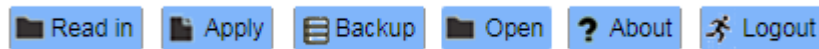
3.2.1 Task card

<div> <div>Site</div> <div>Detection & Control</div> <div>Cause & Effect</div> <div>Administration</div> <div>Other settings</div> </div>	
Task	Function
Site	Configures site information.
Detection & Control	Modifies device properties and configures site-specific setup (i.e. device and zone assignment).
Cause & Effect	Configures logic controls.
Administration ¹	<ul style="list-style-type: none"> Changes passwords of access level 2/3/3.1. Saves event logs from panel to PC. Saves test reports from panel to PC. Saves compensation reports from panel to PC. Saves user documentation from panel to PC.
Other settings	Configures special settings.

¹ Applies to 'FC360 Panel Configurator' only.

3.2.2 Toolbar

3.2.2.1 FC360 Panel Configurator



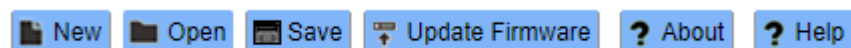
Tool	Function
Read in ¹	Triggers related line or stubs to execute the 'Read in' operation without restarting the panel (access level 3 is required on the panel). During read-in, the related detector line restarts automatically.
Apply	Downloads the current configuration to the panel (takes effect immediately).
Backup	There are two options: <ul style="list-style-type: none"> • Backs up the existing panel's configuration to the PC • Backs up the existing configuration and all current changes in the current browser to the PC
Open	Opens an existing configuration.
About	Shows the versions of 'FC360 Panel Configurator' and the panel firmware.
Logout	Logs out of 'FC360 Panel Configurator'.

¹ Appears only if task card 'Detection & Control' is selected.



The panel restarts automatically if you apply a new or existing configuration to the panel.

3.2.2.2 FC360 Desktop Editor 2.0



Tool	Function
New	Creates a new configuration (for self-training purpose).
Open	Opens an existing configuration.
Save	Saves the current configuration.
Update Firmware	Updates the panel firmware (the panel must connect to the PC and at access level 3).
About	Shows the 'FC360 Desktop Editor 2.0' version, panel firmware version, output card (4M) version and P2 UART version.
Help	Accesses user documentation integrated into the tool.



The panel restarts after firmware is updated. See document [A6V10421795](#) for more information.

3.3 Operation overview

You can configure the panel using FC360 Panel Configurator or FC360 Desktop Editor 2.0. Some operations can be performed from both ends, whereas others are limited to either FC360 Panel Configurator or FC360 Desktop Editor 2.0:

- **Online configuration** and **direct communications** with the panel are possible only with FC360 Panel Configurator.
- **Device management** and **logic control** are possible with both FC360 Panel Configurator and FC360 Desktop Editor 2.0.
- **Panel firmware update** and **offline configurations** are possible only with FC360 Desktop Editor 2.0.

X possible / available
– not possible / not available

Operation	FC360 Panel Configurator	FC360 Desktop Editor 2.0	Section/Link
Online configuration	X	–	Section 4.2 [→ 18]
Backing up configuration	X	–	Section 4.3 [→ 18]
Applying configuration	X	–	Section 4.5 [→ 19]
Resetting alarm counter	X	–	Section 5.1 [→ 21]
Synchronizing the time in the panel	X	–	Section 5.4 [→ 30]
Changing passwords for different access levels	X	–	Section 5.4 [→ 30]
Executing the 'Read in' operation	X	–	Section 3.2.2.1 [→ 13]
Updating panel firmware	–	X	Document A6V10421795
Modifying configuration files offline	–	X	Section 4.4 [→ 18]
Basic configuration procedure	X	X	Section 3.4.1 [→ 15]
Self-trainings	–	X	Section 3.4.2 [→ 15]
Enabling service interval function	X	X	Section 5.1 [→ 21]
Setting time for outputs with 'Timed channel' settings	X	X	Section 5.1 [→ 21]
Setting tones for alarm devices	X	X	Section 5.1 [→ 21]
Setting voice messages and languages for voice alarm devices	X	X	Section 5.1 [→ 21]
Setting AVC attendance check time (T1) and investigation time (T2)	X	X	Section 5.1 [→ 21]
Auto-switching between 'Manned' and 'Unmanned' modes	X	X	Section 5.1 [→ 21]

Operation	FC360 Panel Configurator	FC360 Desktop Editor 2.0	Section/Link
Configuring loops/stubs	X	X	Section 5.2.1 [→ 25]
Configuring onboard IOs	X	X	Section 5.2.2 [→ 26]
Configuring output card	X	X	Section 5.2.3 [→ 26]
Setting control logics for addressable devices	X	X	Section 5.3 [→ 28]
Changing other country-specific settings	X	X	Section 5.5 [→ 31]

3.4 Using the program for the first time

3.4.1 Basic configuration procedure

The following procedures walk you through basic steps to configure the panel from a PC.

1. From the panel side, install and connect devices to the panel, and then perform auto configurations. See document [A6V10421795](#) for more information.
2. Connect a PC to the panel and open FC360 Panel Configurator. See 'Connecting a PC to the panel' and 'Starting 'FC360 Panel Configurator' [→ 11]' for details.
3. Modify the following configurations in 'FC360 Panel Configurator' or back up the configuration file to the local PC for later modifications in FC360 Desktop Editor 2.0. See 'Backing up configurations to the PC [→ 18]' for configuration backup.
 - Device text and zone text
 - Properties and parameters
 - Allocation of devices and zones
 - Control logics
 - Other settings
4. In FC360 Panel Configurator, apply the modified configurations to the panel. See 'Applying configurations to the panel [→ 19]' for detailed steps.

3.4.2 Simulated configurations for self-training purpose

In 'FC360 Desktop Editor 2.0', you can perform some simulated configurations without having effect on the panel. This familiarizes you with program functions before real panel configurations.

- You can create a simulated configuration file by clicking on 'New', which is only supposed to be clicked for a simulation.
- You can add loops, stubs and devices in the configuration file. Note that this is only specific for self-training. You must not add devices to loops or stubs when working with a real configuration file.
- After the devices are added, you can modify and re-configure device information such as device properties and device text, create control logics in task card 'Cause & Effect' and modify some other settings in task card 'Other settings'.

To create a simulated configuration file

1. Start 'FC360 Desktop Editor 2.0' and select your desired language.
 2. Select 'Create a new configuration'. If the program is already open and you want to create a new configuration file, click 'New'.
 3. Select a country and detector line topology. Click 'OK' to finish.
- ⇒ 'FC360 Desktop Editor 2.0' is open with a new configuration file.

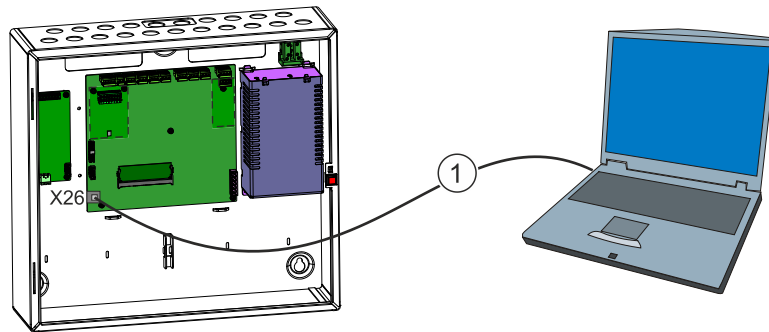
To add a device

- ▷ 'FC360 Desktop Editor 2.0' is launched and a simulated configuration file is created.
1. Make sure the check box of 'Edit Element' under 'Detection & Control' is checked.
 2. Select a loop or stub to add the device into.
 3. Select a device type from the 'Cerberus FIT' or 'Cerberus PRO' group. It could be a detector, an MCP, an alarm device, a module, etc.
 4. Drag and drop one of the appeared icons into the information view pane. Note that if you choose to add an alarm device, the tool only displays the icons of FDS224, FDS225, FDSx226, FDSx227, FDS364 and FDS366. You cannot find icons of FDS221, FDS229, DBS721, DBS728 or DBS729, even though they can be connected to an existing detector line.

4 Connecting and communicating with the panel

4.1 Connecting a PC to the panel

A PC is required for most commissioning, maintenance and repair work. The figure below shows the connection between the PC and the panel.



X26 Terminal of PC connection

1 Ethernet, shielded patch cable, type CAT 5, CAT 5e, CAT 6, CAT 6e or CAT 7, max. 100 m



⚠ WARNING

- Access to the panel only with direct PC connection.
- Ensure cable connection is stable.
- Connection to networks is expressly prohibited.

In case of connection failure (though the cable is firmly connected), do the following:

Tools	Solutions
FC360 Panel Configurator	<ul style="list-style-type: none"> • Check DHCP settings mentioned in section 'Other settings' task card fields and properties [→ 44]. • Clean up local cache if fc360.siemens.com is opened in Google Chrome. • Use panel IP address (e.g., 192.168.251.100) instead of fc360.siemens.com.
FC360 Desktop Editor 2.0	<ul style="list-style-type: none"> • Check Windows firewall rules mentioned in document A6V10421795.



If the connection to the panel is lost when you are working in 'FC360 Panel Configurator', your changes are saved and you can continue to make other changes as long as the window is not closed. However, if no measure is taken, e.g., no cable connection check, the tool pops up a connection lost message every several seconds to remind you of cable check or login again.

4.2 Online configuration



NOTICE

Before configuring the system manually, make sure that the panel is in normal operation.

1. Connect the PC to the panel. See 'Connecting a PC to panel' for panel connection.
2. Open a web browser.
3. Enter 'fc360.siemens.com' in the address bar and press <enter>.
 - ⇒ 'FC360 Panel Configurator' is open.
4. Enter access level 3 password to log into level 3 on the panel.
5. Modify the current configurations as needed.
6. Click 'Apply', and then click 'OK' to confirm.
 - ⇒ Configurations are downloaded to the panel.
7. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.

4.3 Backing up configurations to the PC

1. Connect the PC to the panel. See 'Connecting a PC to the panel' for panel connection.
2. Open a web browser.
3. Enter 'fc360.siemens.com' in the address bar and press <enter>.
 - ⇒ 'FC360 Panel Configurator' is open.
4. Enter access level 3 password to log into access level 3 on the panel.
5. Click 'Backup', and then click 'OK' to confirm the backup.
6. Select a backup option.
7. If prompted, enter a path and a file name, and then click 'OK'.
 - ⇒ A configuration backup is stored to the PC.
8. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.

4.4 Modifying configuration files offline

- ▷ A configuration backup is stored in the local PC. See 'Backing up configurations to the PC [→ 18]' for configuration backup.
1. Start 'FC360 Desktop Editor 2.0'.
 2. Select 'Open an existing configuration' -> 'OK', and then browse to the saved configuration file.
 - ⇒ The configuration file is open.
 3. Modify the configurations as needed.
 4. Click 'Save'.
 - ⇒ Configurations are saved in the PC.
 5. Exit 'FC360 Desktop Editor 2.0'.

4.5 Applying configurations to the panel

!	<p>NOTICE</p> <p>Before configuring the system manually, make sure that the panel is in normal operation.</p>
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1. Connect the PC to the panel. See 'Connecting a PC to the panel' for panel connection.
2. Open a web browser.
3. Enter 'fc360.siemens.com' in the address bar and press <enter>.
 - ⇒ 'FC360 Panel Configurator' is open.
4. Enter access level 3 password to log into access level 3 on the panel.
5. Modify the current configurations as needed. If modifications were already done in 'FC360 Desktop Editor 2.0', click 'Open', and then browse to the modified configuration file and confirm that the open configuration is overridden.
6. Click 'Apply', and then click 'OK' to confirm.
 - ⇒ Configurations are downloaded to the panel.
7. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.

4.6 Backing up event logs to the PC

1. Connect the PC to the panel. See 'Connecting a PC to the panel' for panel connection.
2. Open a web browser.
3. Enter 'fc360.siemens.com' in the address bar and press <enter>.
 - ⇒ 'FC360 Panel Configurator' is open.
4. Click 'Administration'.
5. In the 'Event memory' field, click 'Upload to PC'.
6. If prompted, enter a path and a file name and click 'OK'.
 - ⇒ The event log is stored to the PC.
7. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.

4.7 Backing up compensation values to the PC

1. Connect the PC to the panel. See 'Connecting a PC to the panel' for panel connection.
2. Open a web browser.
3. Enter 'fc360.siemens.com' in the address bar and press <enter>.
 - ⇒ 'FC360 Panel Configurator' is open.
4. Click 'Administration'.
5. In the 'Compensation report' field, click 'Upload to PC'.

6. If prompted, enter a path and a file name and click 'OK'.
⇒ The compensation value report is stored to the PC.
7. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.



Upload the compensation value report after the detector line finishes startup.

4.8 Backing up test reports to the PC

1. Enter access level 3 password to log into level 3 on panel.
2. Connect the PC to the panel. See 'Connecting a PC to the panel' for panel connection.
3. Open a web browser.
4. Enter 'fc360.siemens.com' in the address bar and press <enter>.
⇒ 'FC360 Panel Configurator' is open.
5. Click 'Administration'.
6. In the 'Test report' field, click 'Upload to PC'.
7. If prompted, enter a path and a file name and click 'OK'.
⇒ The test report is stored to the PC.
8. Log out of 'FC360 Panel Configurator' and disconnect the PC from the panel.

4.9 Disconnecting the PC from the panel

- Unplug the cable from the PC.

5 Working with task cards

5.1 'Site' task card

Overview

This task card is to make system-wide and general settings shared by different devices configured in 'Detection & Control' and 'Cause & Effect'.


Site	Detection & Control	Cause & Effect	Administration	Other settings
Name	Site			
Installer name	Siemens			
Contact tel.				
Service reminder enable	<input type="checkbox"/> Yes			
Service interval	24 months			
Time channel enable	<input checked="" type="checkbox"/> Yes			
Timed channel active	23:00:00			
Timed channel inactive	23:00:15			
Addressable sounders tone 1	Continuous (970Hz)			
Addressable sounders tone 2	Intermittent (950Hz)			
Voice selection	<input type="checkbox"/> Yes			
AVC T1 time	3 mins			
AVC T2 time	5 mins			
Timed switching to unmanned	<input type="checkbox"/> Yes			

- 1 Resets the alarm counter to start counting alarm events from zero (access level 3 is required). Only available in 'FC360 Panel Configurator'. If you don't reset the counter, the panel automatically resets it to '0' after the event number reaches 999.
Note: Alarm counter can also be reset via the panel. See document [A6V10421795](#) for details.
- 2 Reminds you of the date to contact the service technician to have regular service carried out on the panel imminently. If checkbox 'Service reminder enable' is checked, a 'Service completed' option appears next to 'Reset alarm counter' in FC360 Panel Configurator. Click this option after regular service of the FC360 system is complete.
- 3 Enables and sets time for 'Timed channel'. 'Timed channel' is a cause listed in 'Cause & Effect' task card. Once enabled, it can be used in any scenario if you want to activate an output or alarm device at a certain time and deactivate it at another time.
- 4 Select a tone type for all addressable alarm devices configured as 'Tone 1' or 'Tone 2' in 'Cause & Effect'.
- 5 Select voice settings for voice alarm devices. You can select voice message type and language(s) after you've checked the 'Voice selection' checkbox. Note that unchecking this checkbox only collapses its sub-options. It doesn't



disable voice alarming.

- 6 Sets AVC attendance check time (T1) and investigation time (T2) for devices of 'Auto alarm' and 'Manual alarm' types. The allowed time under EN 54-2 is $T1+T2 \leq 10$ min. The prerequisites for activating T1 and T2 are:
 - The 'AVC function' property of the device is turned on in 'Detection & Control'.
 - The device is activated.
 - The current operation mode is 'Manned'.
 For more information about AVC, see document [A6V10421795](#).
- 7 Automatically switches to Unmanned mode at a defined time.

To set the service reminder function

1. Check checkbox 'Service reminder enable' if it is unchecked.
 2. Click , and then select the time of the 'Next service date'.
 3. Select a time interval in the drop-down list of 'Service interval'.
- ⇒ When the service date approaches, a 'Service needed' fault event appears on the panel, the LED for the acknowledge button (ACK) flashes and the buzzer is ON.
- ⇒ Once regular maintenance service is complete, click 'Service completed' in task card 'Site' of FC360 Panel Configurator, then all the above reminders are gone.

To set activation/deactivation time for an output or alarm device

1. Check checkbox 'Time channel enable' if it is unchecked.
2. Click  at the row of 'Timed channel active'.
 - Drag the sliders or click 'Now' to define the activation time.
 - Click 'Done'.
3. Click  at the row of 'Timed channel inactive'.
 - Drag the sliders or click 'Now' to define the deactivation time.
 - Click 'Done'.



The time settings take effect only if you've configured the effects of 'Timed channel' on desired outputs or alarm devices in 'Cause & Effect'.

To set an alarm tone for all EVAC siren devices of 'Tone 1'

1. Click the drop-down arrow of 'Addressable sounders tone 1'.
 2. Select an alarm tone from the drop-down list.
- ⇒ Once activated, EVAC siren devices configured as 'Tone 1' under task card 'Cause & Effect' play the set alarm tone.



Click the drop-down arrow of 'Addressable sounders tone 2' to select an alarm tone for all EVAC siren devices of 'Tone 2'.



DBS720, DBS721, DBS729, FDS221 and FDS229 don't support 'Sweep BS fire', 'Industrial Alarm', 'US Temp. sleep', 'School bell' and 'Sweep up (800-970Hz)'. DBS728 doesn't support the last three tones mentioned above. If a device above is configured to an unsupported tone type, a warning message pops up in FC360 Panel Configurator when you apply the configuration file to the panel. Change to another supported tone; otherwise the corresponding alarm device doesn't make any sound when it is activated. The panel doesn't report any fault either.

To set voice alarming for voice alarm devices

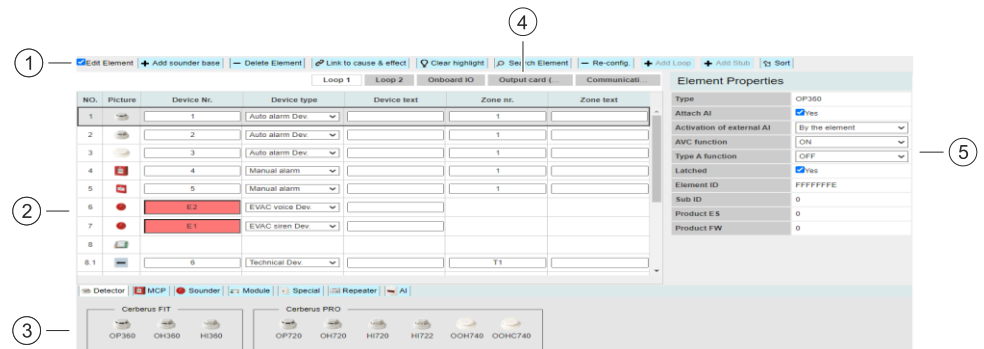
1. Check checkbox 'Voice selection' if it is unchecked.
2. Select the voice message type. **M1** plays the evacuation fire message while **M2** plays the evacuation emergency message.
 - ⇒ The detailed message content appears when the cursor is positioned over a message type.
3. Select the first message language.
4. If necessary, specify a second language to play the message.



Of all the voice message languages, 'Custom 1' and 'Custom 2' are only workable for FDS227-Rx-C, FDS227-Wx-C and FDSB227-Wx-C if customer-specific languages are configured in such devices.

5.2 'Detection & Control' task card

Overview



- 1 Toolbar
- 2 Information view on the selected task card
- 3 Device lists¹. Note that FC360 Desktop Editor 2.0 doesn't display FDS221, FDS229, DBS720, DBS721, DBS728 or DBS729. You cannot drag or drop these devices to the information view pane. However, if these devices have already been connected to the C-NET detector line, you can edit them in an existing configuration in FC360 Panel Configurator or FC360 Desktop Editor 2.0.
- 4 Task cards
- 5 'Element Properties' view

¹ Applies to 'FC360 Desktop Editor 2.0' for self-training purpose only.












You MUST NOT add devices to loops or stubs in an existing configuration!

5.2.1 Toolbar



- 1 Hides or shows 'Add sounder base' and 'Delete Element'. Only available in 'FC360 Desktop Editor 2.0' for self-training purpose.
- 2 Adds a sounder base to a detector. Only available in 'FC360 Desktop Editor 2.0' for self-training purpose.
- 3 Deletes a device. Before deleting a device in 'FC360 Panel Configurator', uninstall it with the base (if any) and reconnect the wires of the detector line. After the panel reads from the configuration file that the device is deleted, it reports a 'Missing Element' fault in the fault view. To dismiss the fault, locate and delete the missing device in the configuration tool, and then apply the modified configuration to the panel.
- 4 Highlights the selected device in task card 'Cause & Effect'.
- 5 Removes highlights from the selection.
- 6 Searches a device using the device ID.
- 7 Clears all device numbers, device text, zone numbers and zone text.
- 8 Adds a loop to match the current detector line topology (configurations on the existing loop or stubs remain unchanged).
Note: This option is grayed out if the current topology doesn't allow adding another loop.
- 9 Adds stubs to match the current detector line topology (configurations on the existing loop or stubs remain unchanged).
Note: This option is grayed out if the current topology doesn't allow adding more stubs. Besides, after you've confirmed to add stubs by clicking 'Add Stub', two stubs are added automatically.
- 10 Categorizes addressable devices into 'Detection device', 'Control device' and 'EVAC device' in a separate 'Sort View' window. Within each block, you can sort device or zone numbers in descending or ascending order. Selecting a device in the 'Sort View' window allows you to locate it in the information view pane.

5.2.2 Configuring loops/stubs

Loop 1						
Loop 2						
Onboard IO						
Output card (...)						
Communicati...						
NO.	Picture	Device Nr.	Device type	Device text	Zone nr.	Zone text
1		1	Auto alarm Dev. ▼		1	
2		2	Auto alarm Dev. ▼		1	
3		3	Auto alarm Dev. ▼		1	
4		4	Manual alarm ▼		1	
5		5	Manual alarm ▼		1	
6		E2	EVAC voice Dev. ▼			
7		E1	EVAC siren Dev. ▼			
8						
8.1		6	Technical Dev. ▼		T1	

Depending on the fire control panel type, up to 252 addressable devices including fire detectors, MCPs, I/O modules and alarm devices can be connected to the C-NET. The loop and stub task cards configure all the connected devices.

After auto configurations from the panel side, device details are available in 'FC360 Panel Configurator'. You can perform the following configurations if needed.

- Assign a device to another type. See 'Appendix A: Device type list [→ 49]' for all possible assignments.
- Change a device number in column 'Device Nr.'.
 - A device number is not a device ID. The configuration tools automatically generate device numbers, which are changeable later on based on specific layout plans. Device ID is displayed as unchangeable 'Element ID'. It's available in 'Element Properties' view.
 - Each device has a unique device number unless used in certain field applications or functions like the Delayed Alarm Reset (DAR) function.
 - Max. 400 device numbers are allowed for detectors, MCPs and input channels of I/O modules.
 - Max. 32 device numbers are allowed for output channels of I/O modules of 'Control' and 'Door holder' device types.
 - Max. 64 device numbers are allowed for EVAC siren and EVAC voice devices.
- Add device text and zone text. You can enter descriptive text that is no longer than 18 characters for easier identification.
- Change a zone number in column 'Zone nr.'.
 - Max. 8 zone numbers are allowed for devices of 'Technical', 'Tech. latched', 'Fault' and Gas types.
 - Max. 32 zone numbers are allowed for devices of 'Auto alarm', 'Manual alarm' and 'Sprinkler' types.
- Change a device property in the 'Element Properties' section. See 'Loop/Stub fields and properties [→ 34]' for all device properties.

Once you've modified device information and configured some other settings such as control logics and some country-specific settings, you can apply the modified configuration file to the panel. See 'Applying configurations to the panel [→ 19]' for configuration application. For more information about configuring control logics and other settings, see 'Cause & Effect' task card [→ 28] and 'Other settings' task card [→ 31].

5.2.3 Configuring onboard IOs










Loop 1

Loop 2

Onboard IO

Output card (...)

Communicati...

NO.	Picture	Text
1		Sounder line
2		Sounder line
3		Class change
4		Ext. PSU fault
5		Control Output
6		Control Output
7		RT Fire
8		RT fault
9		Fire alarm

The 'Onboard IO' task card configures the two sounder lines, four configurable IOs and three relays connected to the mainboard of the panel.






The customer specified text can be modified in the information view. In the 'Element Properties' view, the following properties can be modified:

- The output usage of a sounder line. Devices on a sounder line can be alarm devices or fire control devices. Configure the output usage following the on-site situation.
- 'Programmable type' of the four connected configurable IOs. 'Digital Input' and 'Digital Output' are available in the drop-down list.
- 'Input usage' if 'Digital Input' is selected.
- 'Contact usage' of connected relays.



See 'Onboard IO fields and properties [→ 42]' for all device properties.

5.2.4 Configuring output card (4M)

Loop 1			Loop 2			Onboard IO			Output card (...)			Communicati...		
NO.	Picture	Text												
1		<input type="text" value="Output card 4M"/>												
1.1		<input type="text" value="RT fire (M)"/>												
1.2		<input type="text" value="RT fault (M)"/>												
1.3		<input type="text" value="Sounder line"/>												
1.4		<input type="text" value="Sounder line"/>												

The output card (4M) has four configurable outputs. The default settings for the outputs are:

- OUT1: RT Fire
- OUT2: RT Fault
- OUT3 / OUT4 : Sounder line

The customer specified text can be modified in the information view. Two parameters can be configured in 'Element Properties' view. See 'Output card (4M) fields and properties [→ 43]' for all device properties.

5.2.5 Configuring communication interface

Task card 'Communication interface' configures third-party devices connected to the panel via an RS232/RS485 module. The panel supports connection to an external event printer via an RS232 module, or to an ESPA interface [NL] and/or DMS via an RS485 module.

Configurations of the external event printer are not allowed in task card 'Communication interface'. You can only refer to these unchangeable default configurations when configuring the external printer from the printer side.

For ESPA interface [NL] and DMS, you can configure the following:

- Change device addresses.
- Check or uncheck communication troubles caused by device address assignment. The default option is to check communication troubles (keep the 'Trouble inhibited' checkbox unchecked), which means occurred communication troubles will be reported to the panel.



RS232 and RS485 modules cannot be installed on the panel simultaneously.



See 'Communication interface fields and properties [→ 43]' for all device properties.

5.3 'Cause & Effect' task card

- 1 Clears all set logic controls.
- 2 Removes highlights from a selection. After you've configured a device and clicked 'Link to cause & effect' in 'Detection & Control', the tool automatically highlights the corresponding device in 'Cause & Effect'. You can remove the highlights if necessary.
- 3 Area to display all causes (statuses reported on the panel, activation of a zone (zone T1...T8 or zone 1...32), and activation of a single device in a zone)
- 4 Area to display all effects
- 5 Intersection area to configure logics between causes and effects

After the panel executes 'Auto configuration' or you manually assign devices to corresponding zones, all causes are listed on the left and all control outputs are listed on the top. All logic controls between causes and effects are marked with circles or drop-down lists where a column and row intersect.

Up to 1000 logic controls can be configured. When configuring, you can:

- Activate/deactivate the following outputs based on specific layout plans. A green circle indicates that a cause can trigger the corresponding output.
 - Configurable outputs and relays on the mainboard
 - Fire control devices on sounder lines
 - Outputs on the output card (4M)
 - EVAC voice alarm devices
 - Output channels of I/O modules
- Select tones for EVAC siren devices or alarm devices on sounder lines.
 - 'Tone 1' and 'Tone 2' are available for EVAC siren devices.
 - 'Continuous' and 'Pulsing' tones are available for alarm devices on sounder lines.
 - The priority of 'Continuous' is higher than 'Pulsing' if they are activated by different causes simultaneously.
 - Similarly, the priority of 'Tone 1' is higher than 'Tone 2' if they are activated by different causes simultaneously.
- Select trigger conditions of door holders for devices of 'Auto alarm' and 'Manual alarm' types or entire zones where such devices are located underneath.

Conditions to trigger door holders are:

- 'Fire(F)'. Fire events detected by the corresponding caused devices or zones.
- 'Trouble(T)'. Trouble events detected by the corresponding caused devices or zones.
- 'Disable(D)'. Disable events detected by the corresponding caused devices or zones.

- 'F&T'. Fire or trouble events detected by the corresponding caused devices or zones.
- 'F&D'. Fire or disable events detected by the corresponding caused devices or zones.
- 'T&D'. Trouble or disable events detected by the corresponding caused devices or zones.
- 'F&T&D'. Fire, disable or trouble events detected by the corresponding caused devices or zones.
- Link to corresponding detection devices (causes) and control devices (effects).
 - Right-click on an intersection area to pop up link options.
 - Select 'Link to HW & detection' to jump to the corresponding detection device (cause) in 'Detection & Control'. Note if the cause is not a detection device but a panel status e.g. 'Any fire', this option doesn't appear.
 - Select 'Link to HW & control' to jump to the corresponding control device (effect) in 'Detection & Control'.



Causes of 'Any automatic device' (e.g., fire detectors) and 'Any manual device' (e.g., MCPs) cannot activate 'RT Fire' relay/output simultaneously. Under a fire alarm situation, either fire detectors or MCPs trigger 'RT Fire'.



If 'Element Type' of an output channel is set to 'Door holder' in task card 'Detection & Control', fire door releasers or fire electromagnetic door holders can be connected to and controlled by the panel via the output channel. All states reported on the panel but the following four can activate/deactivate fire door releasers or fire electromagnetic door holders: 'T1', 'T2', 'Mode manned set' and 'CO gas warning'. See document [A6V10421795](#) for more information about the 'Door holder' function.



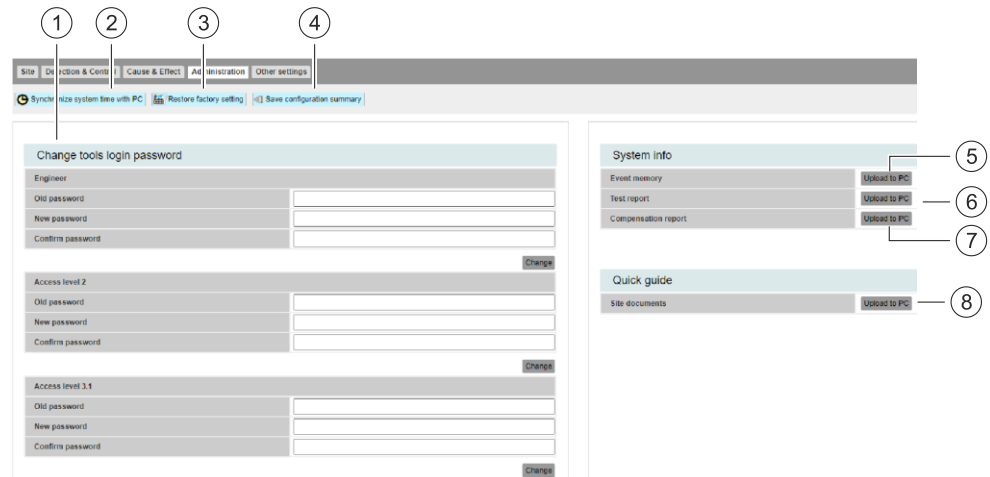
When configuring massive control logics, you can close other web pages to ensure the program's performance.

5.4 'Administration' task card



This task card is only available in 'FC360 Panel Configurator'.

Overview



- 1 Changes passwords for different access levels. You can do so from either here or the panel. Access levels with customized passwords can protect the panel from unauthorized operations. For the different operations that you can perform under different access levels, see document [A6V10421795](#).
- 2 Synchronizes panel time with PC time.
- 3 Restores panel configurations to factory settings. You can do so from either here or the panel. See document [A6V10421795](#) for more information.
- 4 Saves a summary of the current configurations to the PC. This file is different from the configuration file obtained by clicking the 'Backup' button. The former is only a summary, while the latter covers all configuration details and can be edited in 'FC360 Desktop Editor 2.0' and applied to the panel.
- 5 Saves event logs to the PC. See 'Backing up event logs to the PC [→ 19]' for more details.
- 6 Saves test reports to the PC. See 'Backing up test reports to the PC [→ 20]' for more details.
- 7 Saves compensation reports of smoke detectors OP720, OH720, OOH740, OOH740, OP360 and OH360 to the PC. See 'Backing up compensation values to the PC [→ 19]' and document [A6V10421795](#) for more details.
- 8 Saves user documentation to the PC.








⚠ WARNING

Keep your password safe! If you forget the password of access level 3, you cannot retrieve it but change the mainboard to regain access to the panel.

5.5 'Other settings' task card

Site	Detection & Control	Cause & Effect	Administration	Other settings
MCP broken glass message				<input checked="" type="checkbox"/> Yes
MCP cannot be disabled				<input type="checkbox"/> Yes
Sounder outputs activation via silence/resound button				<input type="checkbox"/> Yes
Resound sounders on new alarm				<input checked="" type="checkbox"/> Yes
Lamp test activation possible at access level 1				<input checked="" type="checkbox"/> Yes
Acknowledge used as silence				<input type="checkbox"/> Yes
Acknowledge availability at access level 1				<input type="checkbox"/> Yes
Block ackn./reset if RT is active				<input type="checkbox"/> Yes
RT Fire Relay, default activated (inverse driven)				OFF
RT Fire LED activated by				RT Fire
RT fault, default activated (inverse driven)				ON
Technical device with panel buzzer activation				<input type="checkbox"/> Yes
Technical Latched device with panel buzzer activation				<input checked="" type="checkbox"/> Yes
Synchronization between EVAC zones (max 3 devices per zone)				<input type="checkbox"/> Yes
Internal AI operation in idle mode				Normal: Off
Ext. Alarm Indicator global setting (connected)				<input checked="" type="checkbox"/> Yes
Main power fault delay function				ON
Main power delay time				10 mins
Time for delay alarm (Second)				60
Confirm for delay alarm (Second)				60

This task card lists some country-specific settings. By default, it enables different settings for different countries. You can make changes like the following if needed:

- Display 'Glass broken' message or report a new alarm if an MCP remains activated after a detector line reset (ACK + Reset).
- Define alarm device behavior upon new alarms or using the <Silence/Resound> button .
- Expand operations of the first access level to allow lamp test and event acknowledgment.
- Expand the function of the <Acknowledge> button () on the panel to silence all alarm devices when they are activated.
- Deactivate the function of the <Acknowledge> () and <Reset> buttons () on FT2010 or any other inputs configured as 'Acknowledge' or 'Reset' if 'Brigade Called' is activated.
- Define activation conditions of the RT Fire LED () on the panel.
- Define default relay configuration of activating 'RT Fire' and 'RT Fault' outputs.
- Define whether all input channels of 'Technical' and 'Tech. latched' types, once activated, can trigger the buzzer on the panel to sound at a slow frequency.
- Define whether the alarm sound and voice message are synchronized within all voice alarm devices linked to 'Global alarm' or only the devices sharing the same device number. See document [A6V10421795](#) for more information about voice alarm device synchronization.
- Define the internal AI behavior when the corresponding C-NET device is in normal status (idle).
- Define the default status of checkbox 'Attach AI' for all newly added devices.
- Delay displaying the 'main power fault' event on the panel by an amount of time (no more than 29 minutes) if a mains voltage fluctuation occurs.
- Configure alarm delay time, confirmation time and number of alarm delay attempts when the 'Delayed Alarm Reset (DAR)' function is working. See document [A6V10421795](#) for more information.
- Choose display style for the panel and floor repeaters.



See "Other settings" task card fields and properties [→ 44] for detailed description of each setting under task card 'Other settings'.

5.6 Task card fields and properties

5.6.1 'Site' task card fields and properties

Field	Functionality
Name	Inputs site name that is no longer than 18 characters.
Installer name ¹	Inputs installer name that is no longer than 18 characters.
Contact tel. ¹	Inputs contact telephone.
Service reminder enable	<ul style="list-style-type: none"> Checkbox activated: 'Next service date' field is indicated. Input valid date. When the date is due, a 'Service needed' message is displayed on the panel. Checkbox deactivated (default): No service reminder.
Service interval	Defines time interval to contact the service technician for regular service carried out on the panel.
Time channel enable	<ul style="list-style-type: none"> Checkbox activated (default): 'Timed channel' shows up as a cause in task card 'Cause & Effect'. Checkbox deactivated: Timed channel is hidden.
Timed channel active	The output is activated at the set time if the logic control between 'Timed channel' (cause) and outputs (effect) is configured in task card 'Cause & Effect'.
Timed channel inactive	The output is deactivated at the set time if the logic control between 'Timed channel' (cause) and outputs (effect) is configured in task card 'Cause & Effect'.
Addressable sounders tone 1	Selects a tone type for all addressable alarm devices configured as 'Tone 1' in 'Cause & Effect'.
Addressable sounders tone 2	Selects a tone type for all addressable alarm devices configured as 'Tone 2' in 'Cause & Effect'.
Voice selection	<p>Selects voice settings for all voice alarm devices listed in 'Detection & Control'.</p> <ul style="list-style-type: none"> Checkbox activated: Selection of voice message type and language(s) is available. 'Attention drawing tone' goes with 'Addressable sounders tone 1'. It is not selectable. <p>Note that of all the voice message languages, 'Custom 1' and 'Custom 2' are only workable for FDS227-Rx-C, FDS227-Wx-C and FDSB227-Wx-C if customer-specific languages are configured in such devices.</p> <ul style="list-style-type: none"> Checkbox deactivated (default): Selection of voice message type and language(s) is unavailable. Note that unchecking the checkbox only collapses its sub-options. It doesn't disable voice alarming.
AVC T1 time	Selects a reaction time T1. The reaction time is able to be changed in increments of 0.5 from 0.5 to 4. The default reaction time is 3 min.
AVC T2 time	<p>Selects an investigation time T2. The investigation time is able to be changed in increments of 0.5 from 2 to 10. The default investigation time is 5 min.</p> <p>Allowed time under EN 54-2 is $T1+T2 \leq 10$ min.</p>
Timed switching to unmanned	<ul style="list-style-type: none"> Checkbox activated: Automatically switches from 'Manned' to 'Unmanned' at a set time. Checkbox deactivated (default): Does not automatically switch from 'Manned' to 'Unmanned'.

¹ The information is displayed on the panel.

5.6.2 'Detection & Control' task card fields and properties

Task	Functionality
Loop 1	Configures devices on loop 1.
Loop 2	Configures devices on loop 2.
Stub 1_1	Configures devices on stub 1_1.
Stub 1_2	Configures devices on stub 1_2.
Stub 2_1	Configures devices on stub 2_1.
Stub 2_2	Configures devices on stub 2_2.
Onboard IO	Configures sounder lines, programmable IOs, relays on mainboard.
Output card (4M)	Configures outputs on output card (4M).
Communication interface	Configures RS232 and RS485 modules.



Loops or stubs MUST match the existing detector line topology.

5.6.2.1 Loop/Stub fields and properties

Detector common settings

Parameters	Functionality
Attach AI	<ul style="list-style-type: none"> Checkbox activated (default): An external alarm indicator (AI) is attached to the device. Checkbox deactivated: No external AI is attached to the device.
Activation of external AI	<p>Appears if the 'Activation of external AI' checkbox is checked (default). Select an activation method from the following:</p> <ul style="list-style-type: none"> By the element By the Dev. By multiple Dev.
AVC function ¹	<p>Select an option from the following:</p> <ul style="list-style-type: none"> ON (default): Alarm transmission is delayed by taking into account the interaction of the operating personnel in the alarming sequence. See A6V10421795 for more information about AVC. OFF: Alarm transmission occurs directly after receipt of a fire alarm signal.
Type A function ¹	<p>Select an option from the following:</p> <ul style="list-style-type: none"> ON: After receipt of the first alarm signal from the fire detector, entry to the fire alarm condition is inhibited for a defined time period until the receipt of a confirmation alarm signal from the same detector, or from a fire detector sharing the same 'Device Nr.' with the detector that sends the first alarm signal. OFF (default): Alarm transmission occurs directly after receipt of the first alarm signal.
Type A inhibit time(sec)	Time (30...60 seconds) when entry to the fire alarm condition is inhibited after the receipt of the first alarm signal from a fire detector. The default time is 60 seconds.
Latched ¹	<ul style="list-style-type: none"> Checkbox activated (default): Fire alarm condition is latched until a manual reset on the panel. Checkbox deactivated: Fire alarm condition resets automatically.

¹ Parameter value is the same for devices sharing the same 'Device Nr.'.

Detector specific settings

Devices	Parameters	Functionality
HI360 HI720	Detection method	<p>Selects a detection method from the following:</p> <ul style="list-style-type: none"> 01: A2S 02: A2R (default)
OP720	Sensitivity	<p>Selects sensitivity from the following:</p> <ul style="list-style-type: none"> 01: Standard (default) 02: Sensitive
HI722	Detection method	<p>Selects a detection method from the following:</p> <ul style="list-style-type: none"> 01: A2S (default)
OH720	Sensitivity	<p>Selects sensitivity from the following:</p> <ul style="list-style-type: none"> 01: Robust (default) 02: Sensitive

Devices	Parameters	Functionality
OOH740	Parameter set	Selects a parameter set from the following: <ul style="list-style-type: none"> • 04 (OOT): Balanced (default) • 05 (OOT): Suppression • 06 (OOT): Fast Response
OOHC740	Parameter set	Selects a parameter set from the following: <ul style="list-style-type: none"> • 06 (OOT): Fast Response • 10 (OOT): Balanced CO (default) • 12 (OOT): Suppression CO
FDF241-9	Sensitivity	Selects a parameter set from the following: <ul style="list-style-type: none"> • 01: Robust (default) • 02: Universal • 03: Universal fast • 04: Sensitive • 05: Sensitive fast • 06: Rapid • 07: Motor test bed
FDL241-9	Sensitivity	Selects a parameter set from the following: <ul style="list-style-type: none"> • 02: Standard (default) • 03: Sensitive • 05: Very sensitive



Parameter set '02: Standard' meets the requirements of standard EN 54-12.



Detailed description of the parameter sets is available in the documentation of the corresponding detector.

MCP parameter settings

Devices	Parameters	Functionality
FDM221 FDM225/6	AVC function ¹	<ul style="list-style-type: none"> • Checkbox activated (default): AVC function is ON. • Checkbox deactivated: AVC function is OFF.
FDM223 FDM224 FDM231 FDM365	Attach AI ²	<ul style="list-style-type: none"> • Checkbox activated (default): An external alarm indicator (AI) is attached to the device. • Checkbox deactivated: No external AI is attached to the device.
	Activation of external AI ²	<p>Appears if the 'Activation of external AI' checkbox is checked (default). Select an activation method from the following:</p> <ul style="list-style-type: none"> • By the element • By the Dev. • By multiple Dev.

¹ Parameter value is the same for devices sharing the same 'Device Nr.'.

² Only available for FDM223 and FDM224.

Sounder base parameter settings

Device	Parameter	Functionality
DBS720	Volume	Specifies sound level in the activated status. Selects volume from the following: <ul style="list-style-type: none"> • High • Medium

Parameter settings of (voice) alarm devices

Device	Parameter	Functionality
FDS224	Location	Inputs location text.
FDS225 FDSx226 FDSx227 FDS366 FDS364	Volume ¹	Specifies sound level or mutes sound in the activated status. <ul style="list-style-type: none"> • High (default) • Medium • Low • Mute²
	Beacon Intensity ³	Specifies or disables the beacon intensity in the activated status. <ul style="list-style-type: none"> • High⁴ • Medium • Low (default)⁴ • Indicator • Disabled⁴

¹ Not available for FDS366 or FDS364.

² Not available for FDS224.

³ Not available for FDS224, FDS225 or FDS364.

⁴ Not available for FDS366.

External alarm indicator parameter

Device	Parameter	Functionality
FDCAI221	Location	Inputs location text.

Input module parameter settings

Device	Parameter	Functionality
FDCI222 FDCI221 FDCI361	Short circuit monitoring enabled	<ul style="list-style-type: none"> • Checkbox activated (default): Monitors the input line for short circuits. • Checkbox deactivated: Input is not monitored for short circuits.
	Inversion ¹	Indicates whether the input module is inverse driven. <ul style="list-style-type: none"> • Normal (default) • Inversion

Device	Parameter	Functionality
	Not in use	<p>Indicates whether the device is used in the C-NET detector line. If not, no properties configured on the channel are loaded to the panel.</p> <ul style="list-style-type: none"> • Checkbox activated: The device is not used in the C-NET detector line. • Checkbox deactivated (default): The device is used in the C-NET detector line.
	Usage	<p>Appears if the device type is 'Technical' or 'Auto alarm Dev.'.</p> <p>If the device type is 'Technical', select one usage type from the following:</p> <ul style="list-style-type: none"> • 'Standard' (default). The device reports Technical events when the input is closed. • 'Voice test'. The device initiates 'Voice test' when the input is closed. For more information about voice test, see document A6V10421795. • 'Door holder off'. This input usage deactivates the 'Door holder' function as long as the input is closed. Once the 'Door holder off' input is no longer activated, the programmed outputs go back to the previous status. See document A6V10421795 for more information about the 'Door holder' function. <p>If the device type is 'Auto alarm Dev.', select one usage type from the following:</p> <ul style="list-style-type: none"> • 'Trigger alarm' (default). The device triggers alarming when the input is closed. • 'Trigger isolate'. When the input is closed, the device triggers isolation of detection devices sharing the same device number with the device. Select this usage if the input is used in a DAR scenario. See document A6V10421795 for more information about DAR.
	AVC function ²	<p>Appears if the device type is 'Auto alarm Dev.' or 'Manual alarm'.</p> <ul style="list-style-type: none"> • Checkbox activated (default setting if device type is 'Auto alarm Dev.'): AVC function is ON. • Checkbox deactivated (default setting if device type is 'Manual alarm'): AVC function is OFF.
	Latched ²	<p>Appears only if the device type is 'Auto alarm Dev.'.</p> <ul style="list-style-type: none"> • Checkbox activated (default): Fire alarm condition is latched until a manual reset on the panel. • Checkbox deactivated: Fire alarm condition resets automatically. <p>Note: This parameter is available for detectors, input modules and I/O modules. However, it only functions when detectors are activated.</p>
	Technical device with panel buzzer activation ²	<p>Indicates whether the device, once activated, can trigger the buzzer on the panel to sound at a slow frequency.</p> <ul style="list-style-type: none"> • If the corresponding device type is 'Technical', this parameter follows the setting of 'Technical device with panel buzzer activation' under 'Other settings'. • If the corresponding device type is Tech. latched, this parameter follows the setting of 'Technical Latched device with panel buzzer activation' under 'Other settings'. <p>Note: If needed, you can change the default setting for each device.</p>

¹ Not available for FDCI361.

² Parameter value is the same for devices sharing the same 'Device Nr.'.

Parameter settings of input/output modules

Device	Parameter	Functionality
FDCIO221 FDCIO222 FDCIO224 FDCIO361	Short circuit monitoring enabled	<ul style="list-style-type: none"> • Checkbox activated (default): Monitors the input line for short circuits. • Checkbox deactivated: Input is not monitored for short circuits.
	Inversion ¹	<p>Indicates whether the input channel of the device is inverse driven.</p> <ul style="list-style-type: none"> • Normal (default) • Inversion
	Not in use	<p>Indicates whether the input channel is used in the C-NET detector line. If not, no properties configured on the channel are loaded to the panel.</p> <ul style="list-style-type: none"> • Checkbox activated: The input channel is not used in the C-NET detector line. • Checkbox deactivated (default): The input channel is used in the C-NET detector line.
	Usage	<p>Appears if the device type of the input channel is 'Technical' or 'Auto alarm Dev.'.</p> <p>If the device type is 'Technical', select one usage type from the following:</p> <ul style="list-style-type: none"> • 'Standard' (default). The device reports Technical events when the input is closed. • 'Voice test'. The device initiates 'Voice test' when the input is closed. For more information about voice test, see document A6V10421795. • 'Door holder off'. This input usage deactivates the 'Door holder' function as long as the input is closed. Once the 'Door holder off' input is no longer activated, the programmed outputs go back to the previous status. See document A6V10421795 for more information about the 'Door holder' function. <p>If the device type is 'Auto alarm Dev.', select one usage type from the following:</p> <ul style="list-style-type: none"> • 'Trigger alarm' (default). The device triggers alarming when the input is closed. • 'Trigger isolate'. when the input is closed, the device triggers isolation of detection devices sharing the same device number with the device. Select this usage if the input is used in a DAR scenario. See document A6V10421795 for more information about DAR.
	AVC function ²	<p>Appears if the device type is 'Auto alarm Dev.' or 'Manual alarm'.</p> <ul style="list-style-type: none"> • Checkbox activated (default setting if device type is 'Auto alarm Dev.'): AVC function is ON. • Checkbox deactivated (default setting if device type is 'Manual alarm'): AVC function is OFF.
	Latched ²	<p>Appears only if the device type is 'Auto alarm Dev.'.</p> <ul style="list-style-type: none"> • Checkbox activated (default): Fire alarm condition is latched until a manual reset on the panel. • Checkbox deactivated: Fire alarm condition resets automatically. <p>Note: This parameter is available for detectors, input modules and I/O modules. However, it only functions when detectors are activated.</p>

Device	Parameter	Functionality
	Technical device with panel buzzer activation ²	<p>Indicates whether the input channel of the device, once activated, can trigger the buzzer on the panel to sound at a slow frequency.</p> <ul style="list-style-type: none"> • If the corresponding device type is 'Technical', this parameter follows the setting of 'Technical device with panel buzzer activation' under 'Other settings'. • If the corresponding device type is Tech. latched, this parameter follows the setting of 'Technical Latched device with panel buzzer activation' under 'Other settings'. <p>Note: If needed, you can change the default setting for each input channel.</p>
	Output mode	<p>The output remains the following status after activation:</p> <ul style="list-style-type: none"> • Inactive: Off / Active: On (default) • Inactive: Off/ Active: Single Pulse 1s¹ • Inactive: Off / Active: Single Pulse 5s¹ • Inactive: Off / Active: Single Pulse 20s¹ • Inactive: On / Active: Off
	Fail safe	<p>Defines the position of the output in case of error:</p> <ul style="list-style-type: none"> • Freeze (default) • Open • Close
	Output style (only for FDCIO221 and FDCIO361)	<p>Selects an output style from the following:</p> <ul style="list-style-type: none"> • Monitored output (default) • Dry contact

¹ Not available for FDCIO361.

² Parameter value is the same for devices sharing the same 'Device Nr.'.

Zone module parameter settings

Device	Parameter	Functionality
FDCI723	Location	Inputs location text.
	Response time setting	<p>Selects response time from the following:</p> <ul style="list-style-type: none"> • Alarm: 0s / Malfunction: 10s (default) • Alarm: 15.5s / Malfunction: 10.5s • Alarm: 16s / Malfunction: 11s • Alarm: 17.5s / Malfunction: 12.5s • Alarm: 20s / Malfunction: 15s • Alarm: 25s / Malfunction: 20s • Alarm: 35s / Malfunction: 30s • Alarm: 60s / Malfunction: 55s • Alarm: 75s / Malfunction: 70s • Alarm: 105s / Malfunction: 100s • Alarm: 135s / Malfunction: 130s • Alarm: 165s / Malfunction: 160s • Alarm: 195s / Malfunction: 190s • Alarm: 225s / Malfunction: 220s • Alarm: 255s / Malfunction: 250s

Device	Parameter	Functionality
	Line type	Selects an option from the following: <ul style="list-style-type: none"> • Current limiting alarm load (conventional detector line) • Voltage limiting alarm load (default, collective detector line)
	EOL type	Selects inversion mode from the following: <ul style="list-style-type: none"> • EOL22 • 20V tranzorb diode (default) • Ex line EOL22
	Not in use	Indicates whether the device is used in the C-NET detector line. If not, no properties configured on the channel are loaded to the panel. <ul style="list-style-type: none"> • Checkbox activated: The device is not used in the C-NET detector line. • Checkbox deactivated (default): The device is used in the C-NET detector line.
	AVC function ¹	<ul style="list-style-type: none"> • Checkbox activated (default): AVC function is ON. • Checkbox deactivated: AVC function is OFF.
	Latched ¹	Appears only if the device type is 'Auto alarm Dev.'. <ul style="list-style-type: none"> • Checkbox activated (default): Fire alarm condition is latched until a manual reset on the panel. • Checkbox deactivated: Fire alarm condition resets automatically.

¹ Parameter value is the same for devices sharing the same 'Device Nr.'.

Parameter settings of floor repeater display/terminal

Device	Parameter	Functionality
FT2010 FT2011	Location	Inputs location text.
	User PIN	<ul style="list-style-type: none"> • Inputs device configuration PIN.
	1. List faults ¹	<ul style="list-style-type: none"> • Checkbox activated: <ul style="list-style-type: none"> – FT2010 sorts fault events from all events after one presses the corresponding function key. All sorted fault events are then navigable via the navigation buttons. – The LED beside the function key turns on if there are fault events. • Checkbox deactivated (default): Both function key and LED are disabled.
	2. Not used ¹	Not used.
	3. List isolations ¹	<ul style="list-style-type: none"> • Checkbox activated: <ul style="list-style-type: none"> – FT2010 sorts isolation events from all events after one presses the corresponding function key. All sorted isolation events are then navigable via the navigation buttons. – The LED beside the function key turns on if there are isolation events. • Checkbox deactivated (default): Both function key and LED are disabled.

Device	Parameter	Functionality
	4. List technical messages ¹	<ul style="list-style-type: none"> • Checkbox activated: <ul style="list-style-type: none"> – FT2010 sorts technical messages from all events after one presses the corresponding function key. All sorted technical messages are then navigable via the navigation buttons. – The LED beside the function key turns on if there are technical messages. • Checkbox deactivated (default): Both function key and LED are disabled.
	5. Activate/deactivate sounders ¹	<ul style="list-style-type: none"> • Checkbox activated: Function 'Activate/deactivate alarm devices' is available via the function key. The LED beside the function key turns on if alarm devices are activated. It turns off if alarm devices are deactivated. • Checkbox deactivated (default): Function 'Activate/deactivate alarm devices' is not available via the function key.
	6. Isolate RT fire ¹	<ul style="list-style-type: none"> • Checkbox activated: Function 'Disable/enable all RT fire outputs' is available via the function key. The LED beside the function key turns on if all RT fire outputs are disabled. It turns off if all RT fire outputs are enabled. • Checkbox deactivated (default): Function 'Disable/enable all RT fire outputs' is not available via the function key.

¹ This function is only available for FT2010.

Line separator parameter

Device	Parameter	Functionality
FDCL221	Location	Inputs location text.

5.6.2.2 Onboard IO fields and properties

Field	Functionality
Output usage	<p>This field is configurable for sounder lines on the mainboard.</p> <p>Selects 'Output usage' from the following:</p> <ul style="list-style-type: none"> 'Sounder' if alarm devices are installed on the sounder line. 'Fire control' if fire control devices are installed on the sounder line.
Programmable type	<p>Selects 'Programmable type' from the following:</p> <ul style="list-style-type: none"> 'Digital Input' (default for input) 'Digital Output' (default for output)
Input usage	<p>Selects 'Input usage' from the following for an input:</p> <ul style="list-style-type: none"> 'Class Change Usage'. Activates or deactivates all sounder lines and alarm devices. When the input is closed, all sounder lines and alarm devices are activated. Once activated, alarm devices on sounder lines play the 'Pulsing' tone, EVAC voice devices play the 'School bell' tone and EVAC siren devices play the tone configured in 'Addressable sounders tone 2' under task card 'Site'. 'Evacuation usage'. Activates or deactivates all sounder lines and alarm devices. When the input is closed, all sounder lines and alarm devices are activated. Once activated, alarm devices on sounder lines play the 'Continuous' tone, EVAC voice devices make the sound following the pre-set audio sequence ('Continuous' tone -> voice message), and EVAC siren devices play the tone configured in 'Addressable sounders tone 1' under task card 'Site'. The silence/resound function is available via the function key in this state. Note: Press the <Reset> button on the panel additionally to deactivate all alarm devices. 'Reset command'. Resets acknowledged alarm events and Tech. latched events if the input is closed. 'Access level 2'. Enables or disables access level 2. When the input is closed, access level 2 is enabled. Once enabled, you cannot log out from access level 2 or a higher level to access level 1. 'Disable RT Fire and RT Fault devices'. Disables or enables all RT Fire and RT Fault devices. When the input is closed, all RT Fire and RT Fault devices are disabled. Disabled devices cannot be enabled by the menu operation. 'Activate manned'. Activates or deactivates 'Manned' mode. When the input is closed, the 'Manned' mode is activated. 'Toggle between manned/ unmanned'. 'Initiate extra PSU fault'. Generates an external PSU fault as long as the input is closed. Once generated, the general fault LED is ON and the 'Acknowledge' LED flashes. 'Dialer (RT Fire Device) Fault'. Generates an RT Fire device fault as long as the input is closed. Once generated, the general fault LED is ON and the 'RT device fault' LED flashes on the panel. 'Initiate fire brigade is called'. Generates an 'Initiate fire brigade is called' event as long as the input is closed. Once generated, the 'RT Fire' LED is ON on the panel if 'RT Fire LED activated by' is configured as 'Fire Brigade is called' in task card 'Other settings'. 'Acknowledge command'. Performs <Acknowledge> command as long as the input is closed. 'Voice test Usage'. Starts or stops voice test. When the input is closed, the voice test starts. 'Door holder off'. Disables or enables the 'Door holder' function. This input usage deactivates the 'Door holder' function as long as the input is closed. Once the 'Door holder off' input is no longer activated, the programmed outputs go back to the previous status. See document A6V10421795 for more information about the 'Door holder' function.

Field	Functionality
	Note: <ol style="list-style-type: none"> 1. The same input usage cannot be selected for multiple digital inputs. 2. 'Class Change Usage' and 'Evacuation usage' cannot co-exist. 3. 'Activate manned' and 'Toggle between manned/ unmanned' cannot co-exist. 4. The default setting for each digital input might vary for different countries. 5. The input cannot be configured as 'Class Change Usage' or 'Evacuation usage' if the country selection is 'NL: With FTO3601 H1 (EVAC field)'.
Contact usage	<p>This field is configurable for a relay.</p> <p>Selects a 'Contact usage' from the following:</p> <ul style="list-style-type: none"> • 'Fire control' if a fire control device is connected to the relay. • 'RT Fire' if an RT fire device is connected to the relay (default for Relay 1). • 'RT Fault' if an RT fault device is connected to the relay (default for Relay 2). • 'Fire alarm' if a fire alarm device is connected to the relay (default for Relay 3).



For more information about voice test, see document [A6V10421795](#).

5.6.2.3 Output card (4M) fields and properties

Field	Functionality
Output usage	<p>Selects 'Output usage' from the following:</p> <ul style="list-style-type: none"> • Fire control • RT Fire • RT Fault • Sounder line
Monitor creeping open / short	<ul style="list-style-type: none"> • Checkbox activated: Additionally monitors creeping open/short of the output line. • Checkbox deactivated (default): Only normal open/short of the output line is monitored. Creeping open/short isn't monitored.



5.6.2.4 Communication interface fields and properties

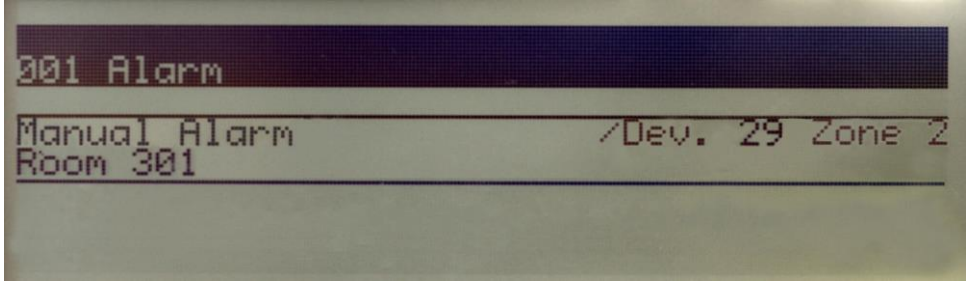


Field	Functionality
Address	<p>Device address of 'ESPA' or 'DMS'. The device address range is 1~8. The default address is 1 for 'ESPA' and 4 for 'DMS'.</p>
Trouble inhibited	<ul style="list-style-type: none"> • Checkbox activated: The panel doesn't check communication trouble caused by device address assignment. • Checkbox deactivated (default): The panel checks communication trouble caused by device address assignment. Occurred communication trouble will be reported to the panel.

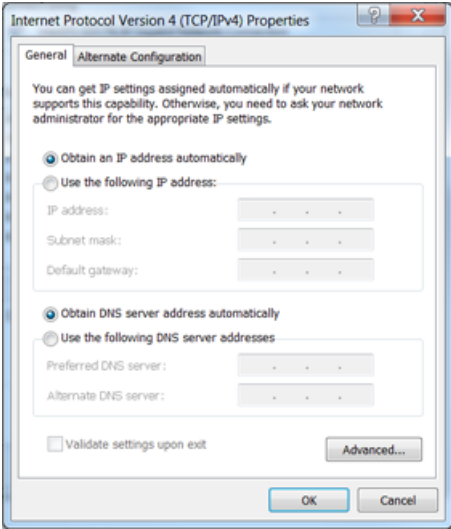
5.6.3 'Other settings' task card fields and properties

Field	Functionality
MCP broken glass message ¹	<ul style="list-style-type: none"> Checkbox activated: 'Glass broken' message will be displayed after detector line reset (ACK + Reset) when an MCP remains activated (i.e. glass not replaced). Checkbox deactivated: a new alarm will be reported when the panel restarts the detector line and the MCP is still activated.
MCP cannot be disabled	<ul style="list-style-type: none"> Checkbox activated: MCP cannot be disabled. Checkbox deactivated: MCP can be disabled.
Sounder outputs activation via silence/resound button	<ul style="list-style-type: none"> Checkbox activated: All alarm devices can be activated/deactivated via the <Silence/Resound> button at any time. Checkbox deactivated: Alarm devices can only be deactivated/activated via the <Silence/Resound> button only after they are activated.
Resound sounders on new alarm	<ul style="list-style-type: none"> Checkbox activated: Previously-silenced alarm devices resound when a new alarm occurs. Checkbox deactivated: Previously-silenced alarm devices don't resound when a new alarm occurs.
Lamp test activation possible at access level 1	<ul style="list-style-type: none"> Checkbox activated: The lamp test function is available at access levels 1, 2 and 3. Checkbox deactivated: The lamp test function is available at access levels 2 and 3.
Acknowledge used as silence	<ul style="list-style-type: none"> Checkbox activated: The <Acknowledge> button can be used to silence all alarm devices. Checkbox deactivated: The <Acknowledge> button cannot be used to silence any alarm device.
Acknowledge availability at access level 1	<ul style="list-style-type: none"> Checkbox activated: The <Acknowledge> button is available at access levels 1, 2 and 3. Checkbox deactivated: The <Acknowledge> button is available at access levels 2 and 3.
Block ackn./reset if RT is active	<ul style="list-style-type: none"> Checkbox activated: The function of <Acknowledge> and <Reset> buttons on FT2010 or any other inputs configured as 'Acknowledge' or 'Reset' is disabled if 'Brigade Called' is activated. Checkbox deactivated: The function of <Acknowledge> and <Reset> buttons on FT2010 or any other inputs configured as 'Acknowledge' or 'Reset' is enabled if 'Brigade Called' is activated.
RT Fire Relay, default activated (inverse driven)	<p>Indicates whether the panel, after power on and initialization, is inverse driven to activate an 'RT Fire' output connected to a relay on the mainboard (relay1 by default). If the panel is not powered on or panel initialization is not complete, the contact is open (normally closed, NC). After power on and initialization,</p> <ul style="list-style-type: none"> If ON is selected, the panel is inverse driven. The contact is active when it is open. If OFF is selected, the panel isn't inverse driven. The contact is active when it is closed (normally open, NO).
RT Fire LED activated by	<ul style="list-style-type: none"> 'RT Fire': The 'RT Fire' LED is on if an RT fire device is activated. 'Fire Brigade is called': The 'RT Fire' LED is on if a 'Brigade Called' event occurs (the digital input is configured as 'Fire Brigade is called' and activated).

Field	Functionality
RT fault, default activated (inverse driven)	<p>Indicates whether the panel, after power on and initialization, is inverse driven to activate an 'RT Fault' output connected to a relay on the mainboard (relay2 by default).</p> <p>If the panel is not powered on or panel initialization is not complete, the contact is open (normally closed, NC). After power on and initialization,</p> <ul style="list-style-type: none"> • If ON is selected, the panel is inverse driven. The contact is active when it is open. • If OFF is selected, the panel isn't inverse driven. The contact is active when it is closed (normally open, NO).
Technical device with panel buzzer activation	<ul style="list-style-type: none"> • Checkbox activated: All newly configured input channels of 'Technical' type, once activated, trigger the buzzer on the panel to sound at a slow frequency. • Checkbox deactivated: newly configured input channels of 'Technical' type, once activated, don't trigger the buzzer on the panel to sound at a slow frequency. <p>Note: This checkbox is also available for individual input channels of 'Technical' type in 'Detection & Control'. Checking or unchecking the checkbox in 'Other settings' doesn't affect the individual settings you've made on existing input channels in 'Detection & Control'. It only affects if:</p> <ul style="list-style-type: none"> • A new input channel of 'Technical' type is added to the C-NET detector line. • The device type of an existing input channel is changed to 'Technical' type.
Technical Latched device with panel buzzer activation	<ul style="list-style-type: none"> • Checkbox activated: All newly configured input channels of 'Tech. latched' type, once activated, trigger the buzzer on the panel to sound at a slow frequency. • Checkbox deactivated: newly configured input channels of 'Tech. latched' type, once activated, don't trigger the buzzer on the panel to sound at a slow frequency. <p>Note: This checkbox is also available for individual input channels of 'Tech. latched' type in 'Detection & Control'. Checking or unchecking the checkbox in 'Other settings' doesn't affect the individual settings you've made on existing input channels in 'Detection & Control'. It only affects if:</p> <ul style="list-style-type: none"> • A new input channel of 'Tech. latched' type is added to the C-NET detector line. • The device type of an existing input channel is changed to 'Tech. latched' type.
Synchronization between EVAC zones (max 3 devices per zone)	<ul style="list-style-type: none"> • Checkbox activated: Once activated, the alarm sound and voice message are synchronized within all voice alarm devices linked to 'Global alarm' in a global alarm state. • Checkbox deactivated: Once activated, the alarm sound and voice message are synchronized only within voice alarm devices sharing the same device number in a global alarm state. <p>See document A6V10421795 for more information about voice alarm device synchronization.</p>
Internal AI operation in idle mode	<ul style="list-style-type: none"> • 'Normal: Off': The internal alarm indicator (AI) is off if the C-NET device is in normal status. • 'Normal: Flashing': The internal AI flashes if the C-NET device is in normal status.
Ext. Alarm Indicator global setting (connected)	<ul style="list-style-type: none"> • Checkbox activated: In 'Detection & Control', newly added devices (FDM223, FDM224 and devices of 'Auto alarm' type) activate the 'Attach AI' checkbox by default. • Checkbox deactivated: In 'Detection & Control', newly added devices of 'Auto alarm' type don't activate the 'Attach AI' checkbox by default.
Main power fault delay function	<ul style="list-style-type: none"> • 'ON': Main power fault delay function is available. • 'OFF': Main power fault delay function is unavailable.

Field	Functionality
Main power delay time	When mains power delay function is available, the delay time can be selected from the following: <ul style="list-style-type: none"> • 1 min • 5 mins • 10 mins • 29 mins
Time for delay alarm (Second)	Time period for occupants to check alarm cause and take corresponding actions in case of an alarm event or incident. The time range is 0...180 s. The default value is 60 s. This time period works only if the DAR function takes effect. For more information about the DAR function, see document A6V10421795 .
Confirm for delay alarm (Second)	Time period to confirm the result of the action taken during the period of 'Time for delay alarm (Second)'. The time range is 0...180 s. The default value is 60 s. This time period works only if the DAR function takes effect. If occupants determine it as a false alarm or minor incident and pushed the self-reset button on the corresponding input or I/O module, all devices sharing the same 'Device Nr.' are isolated during this period. See document A6V10421795 for more information.
Additional delay alarm	Number of attempts to repeat alarm verification procedure when the DAR function takes effect. At most three attempts are allowed. If the attempt number is set to 0, the DAR function is disabled.
Automatically adjust clock for daylight saving time	<ul style="list-style-type: none"> • Checkbox activated: Panel switches automatically between summer/winter time each year. • Checkbox deactivated: Panel does not switch automatically between summer/winter time each year.
Panel display style	<p>Indicates whether the panel displays text in Style 1 (standard style, event type first) or Style 2 (European style, event location first).</p> <p>The following examples appear when the cursor is positioned over a selected style.</p> <ul style="list-style-type: none"> • Style 1:  • Style 2: 

Field	Functionality
Floor repeater display style	<p>Indicates whether FT2010/FT2011 displays text in Style 1 (standard style, event type first), Style 2 (European style, event location first, two lines per event, two events in one screen) or Style 2 Extend (European extended style, event location first, three lines per event, one event in one screen).</p> <ul style="list-style-type: none"> • If the panel displays in Style 1, FT2010/FT2011 can be only displayed in Style 1. • If the panel displays in Style 2, FT2010/FT2011 can be displayed in either Style 2 or Style 2 Extend. <p>The following examples appear when the cursor is positioned over a selected style.</p> <ul style="list-style-type: none"> • Style 1:  • Style 2:  • Style 2 Extend:  <p>Note: The maximum number of displayed events depends on event text length. If the event text is not very long, the maximum number in 'Style 1' and 'Style 2' is 36 and that in 'Style 2 Extend' is 17. If the maximum number is reached, events with higher priorities replace those with lower priorities in the display. Non-displayed events due to the limitation are viewable on the panel.</p>

Field	Functionality
Enable DHCP server	<ul style="list-style-type: none"> Checkbox activated: Panel distributes an IP address to the PC. On the PC you can configure the network connection between the PC and panel at the below window:  1. Obtain an IP address automatically (We recommend using the Windows default setting) 2. Use the following IP address (not recommended) <ul style="list-style-type: none"> – IP address: 192.168.251.xxx (xxx can be 1-254, 100 cannot be used) – Subnet mask: 255.255.255.0 – Default gateway: 192.168.251.19 – Preferred DNS server: 192.168.251.yyy (Panel IP address) Checkbox deactivated: The panel does not distribute an IP address to the PC. On the PC, you must manually configure the network connection between the PC and panel by selecting 'Use the following IP address'. See above.
Panel IP address	192.168.251.100 (default)
Subnet mask	255.255.255.0 (default)
Default gateway	192.168.251.19 (default)

- ¹ The 'Glass broken' message from an activated MCP disappears automatically 15 seconds after reset (i.e. replacement of glass).



The default value of each item is based on the country selection.

6 Appendix A: Device type list

You can number devices freely from 1 to 400 and assign them to the following zones:

- Zone (T1...T8): used for devices of Technical, Tech. latched, Fault and Gas types.
- Zone (1...32): used for devices of Auto alarm, Manual alarm and Sprinkler types.

Device types	Parameters	Values	Optional zone	Optional devices
Auto alarm Dev.	AVC function	ON (default)	Zone 1...32	FDF241-9, FDL241-9, HI722, HI720, OH720, OOH740, OP720, OP360, HI360, OH360; Fire sensor on OOH740; Collective input on FDCI723; General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361
		OFF		
	Type A function	ON		
		OFF (default)		
	Type A inhibit time(sec)	30...60 60 (default)		
	Latched	Yes (checked, default) Yes (unchecked)		
Manual alarm	AVC function	ON	Zone 1...32	FDM221, FDM223, FDM224, FDM225, FDM226, FDM231, FDM365-RP; Collective input on FDCI723; General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361
		OFF (default)		
Sprinkler Dev.	-	-	Zone 1...32	General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361
Technical Dev.	Technical device with panel buzzer activation	-	Zone T1...T8	General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361
Tech. latched	Technical Latched device with panel buzzer activation	-	Zone T1...T8	General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361
Gas Dev.	-	-	Zone T1...T8	CO sensor on the OOH740
Fault Dev.	-	-	Zone T1...T8	General input on FDCI221, FDCI361, FDCIO221, FDCI222, FDCIO222, FDCIO224, FDCIO361

Device types	Parameters	Values	Optional zone	Optional devices
Control Dev. ¹	-	-	-	General output on the FDCIO221, FDCIO222, FDCIO224, FDCIO361
Door holder ¹	-	-	-	General output on the FDCIO221, FDCIO222, FDCIO224, FDCIO361
EVAC siren Dev. ²	-	-	-	Addressable alarm devices (without voice indication) and sounder bases on the detector line: FDS224-R, FDS224-W, FDS226-RW, FDS226-WW, FDS226-RR, FDS226-WR, FDSB226-WW, FDSB226-WR, FDS364, FDS366, DBS720, FDS221, FDS229, DBS721, DBS728, DBS729.
EVAC voice Dev. ²				Addressable alarm devices (with voice indication) and sounder bases on the detector line: FDS225-R, FDS225-W, FDS227-RW, FDS227-WW, FDS227-RR, FDS227-WR, FDS227-RW-C, FDS227-WW-C, FDS227-RR-C, FDS227-WR-C, FDSB227-WW, FDSB227-WR, FDSB227-WW-C, FDSB227-WR-C.

¹ Devices can only be numbered from 1 to 32. Besides, 'Control' and 'Door holder' devices cannot share the same device number.

² Devices can only be numbered from 1 to 64. Besides, 'EVAC siren' and 'EVAC voice' devices cannot share the same device number.



The FDCI723 CANNOT report a 'Glass broken' event even if it is assigned to 'Manual alarm'.

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