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“DMTech” Ltd. Pleven

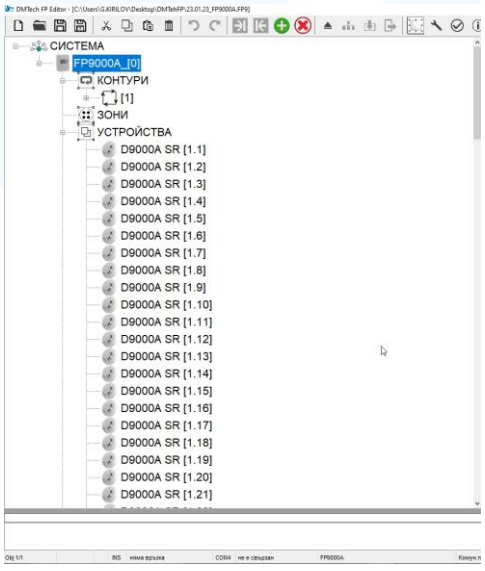
Instructions manual

For

Software for configuration of fire alarm systems

DMTech FP Editor

v2.1.1.17



Description

DMTeh FP Editor is a software product developed and distributed by DMTech Ltd.

The software is a tool to configure FP9000A fire alarm system when installing or modifying the system.

Various configurations of an addressable fire alarm system can be created using this product, saved as configuration files and saved in FP9000A.

An already existing configuration can be readed and saved as a configuration file to be used as needed.

*A USB cable A to B type is required to connect the FP9000A to a PC!

Starting the application

The application is launched directly by double-clicking **DMTech.exe** or by right-clicking > “Open” from the drop-down menu.

Image 1: *Description of the main window of the DMTech FPEditor.*

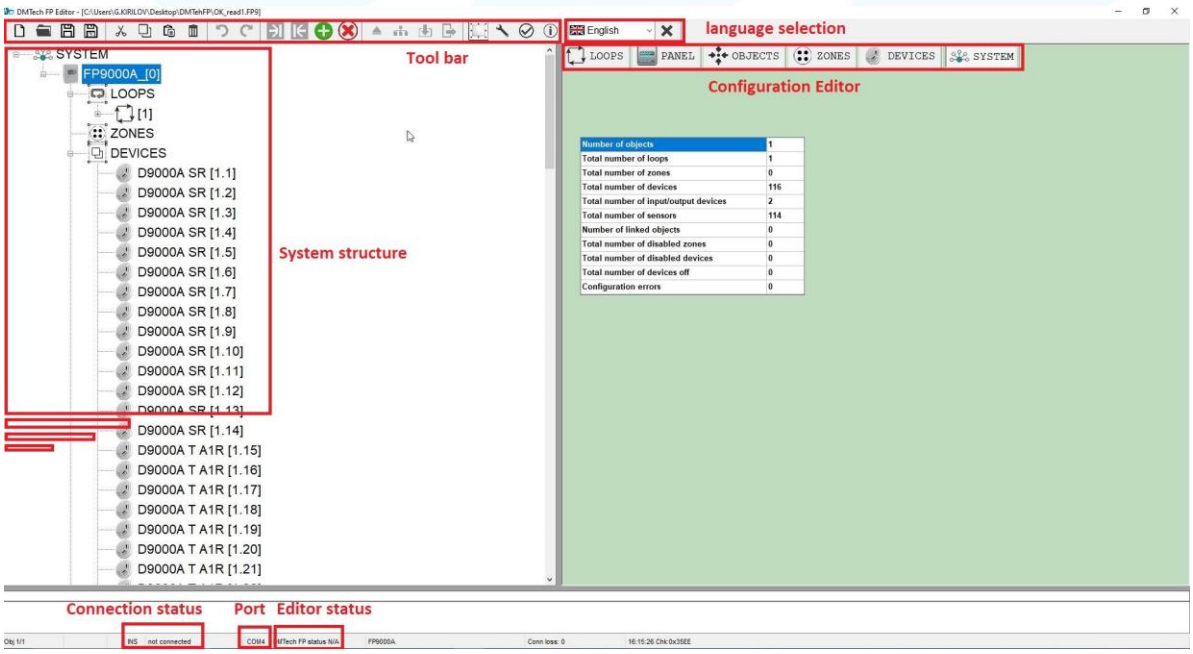


Table 1: Description of toolbar button functions

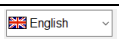
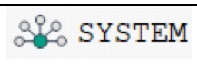
Toolbar	
	Create a new system
	Open a file
	Save
	Save as
	Cut selection
	Copy selection
	Paste selection
	Delete selection
	Step back
	Step forward
	Insert before next item
	Inser after previous item
	Add items to the system
	Remove items from the system
	Connect button; becomes active after the control panel is properly connected to the computer;
	Comparison of configurations
	Download configuration from control panel
	Entering configuration in control panel
	Calling the help window - service
	Settings
	Check
	Product information
	Language selection
	Exit the program

Table 2: Description of the editor panel functions

Edit configuration ribbon	
	Loop configuration panel opens
	Access configuration panel opens
	Object configuration panel opens
	Zone configuration panel opens
	Device configuration panel opens
	System configuration panel opens

Connecting to FP9000A

1. Install your FP9000A as described in the FP9000A Installation and User Guide.
Use the following link to download the FP9000A Tutorial:

Addressable fire panel | Fire alarm systems - DM Tech (dmtech-ltd.com)

*To access the panel via the DMTech FP Editor it must be in standby mode!

2. Connect a PC with DMTech FP Editor open to your FP9000A, via USB cable.

Once properly connected the "Connect" button on the toolbar should become active.

3. Click the "Connect" button!
After a successful connection, the icon will be replaced with one for "End Connection" and the "Connection Status" (Image 1) will change to "Modbus".

The "Editor Status" (Image 1) should also change to "Working Mode".

Download and correction of existing configuration from FP9000A

1. Click the "Download" button. 
When a configuration is successfully downloaded, the System Structure with the elements included in it will be visible in the window on the left.

2. The downloaded configuration can be saved as a configuration file " ... .FP9" via the "Save As" button.

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3. After correcting the downloaded existing configuration, the changes can be saved via the "Save" button.


4. The corrected configuration can be saved to the control panel via the "Enter" button.


*It is desirable that after correction the configuration is verified via the "Verification" button.


From the "Compare" button a comparison can be made between the active configuration and the one saved in the control panel.

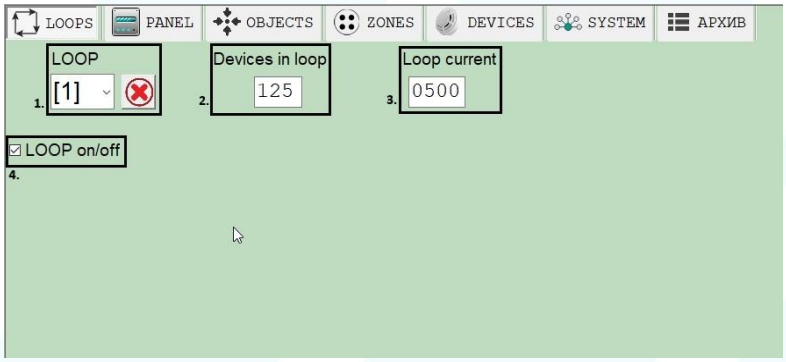

Open and save an existing configuration from a file

1. Open with the "Open" button and selecting a .FP9 file from a directory. To save, repeat the steps described above (from step 3). 

Creating a new configuration

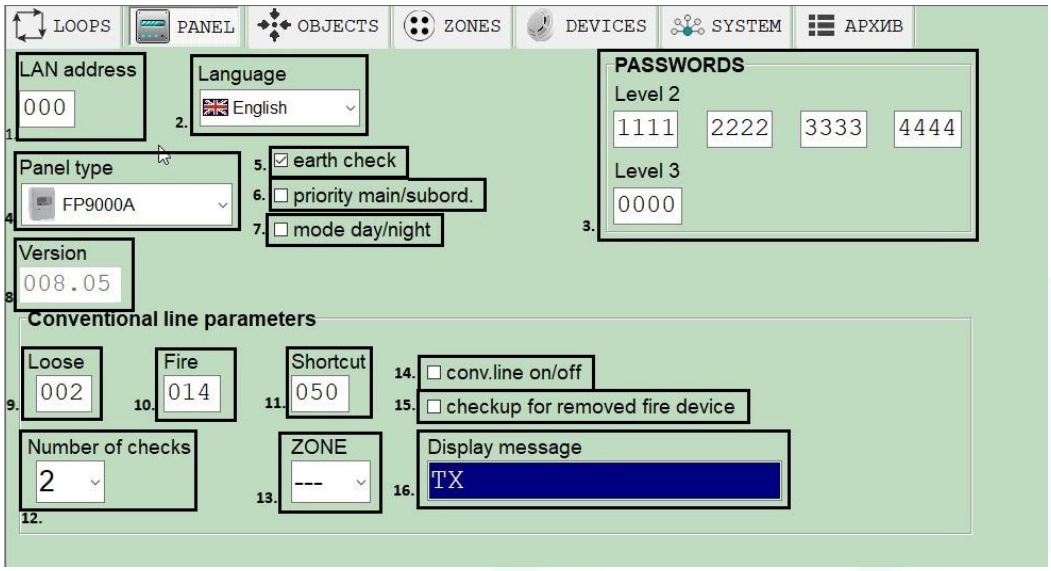
1. After starting the program, click the "Create" button.
2. Click on "SYSTEM" from the Structure on the left or from the Panel on the right and from the Toolbar set a new object (FP9000A) by "Add".
3. The configuration file is created using "Save As" and given a name.
4. Next, enter the desired devices and system configuration parameters using the Configuration Edit Panels described on pages 5 - 10.

LOOPS **Loop Configuration Panel**



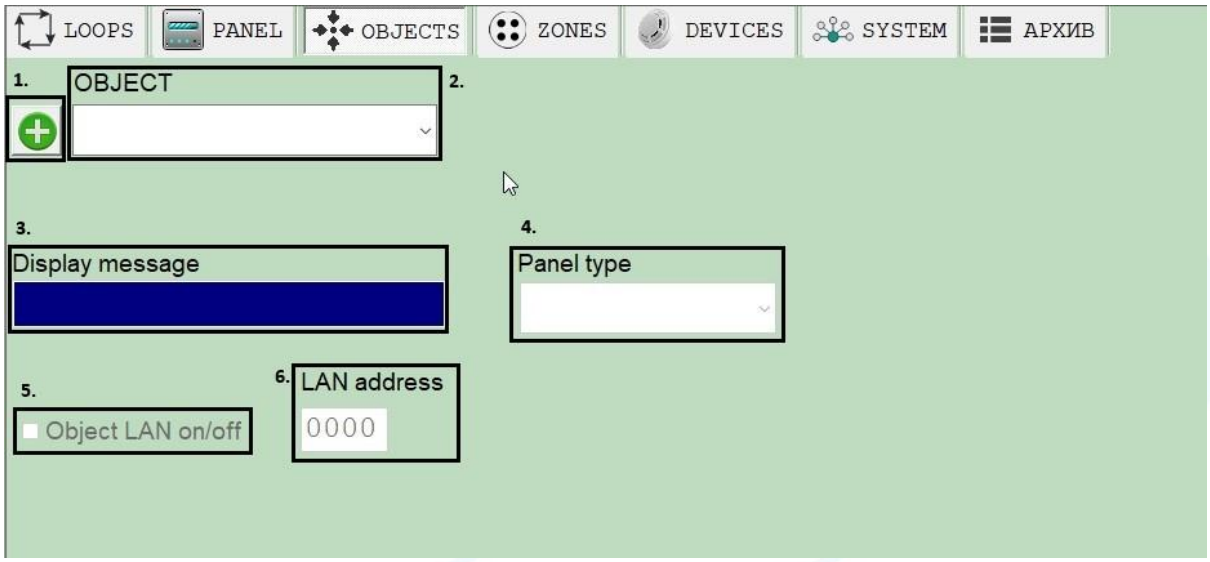
1. Select a loop number from the drop-down menu with the option to remove it by the button
2. Number of devices in the loop
3. Maximum current in loop [mA]
4. Loop on/off

PANEL **Fire panel configuration**



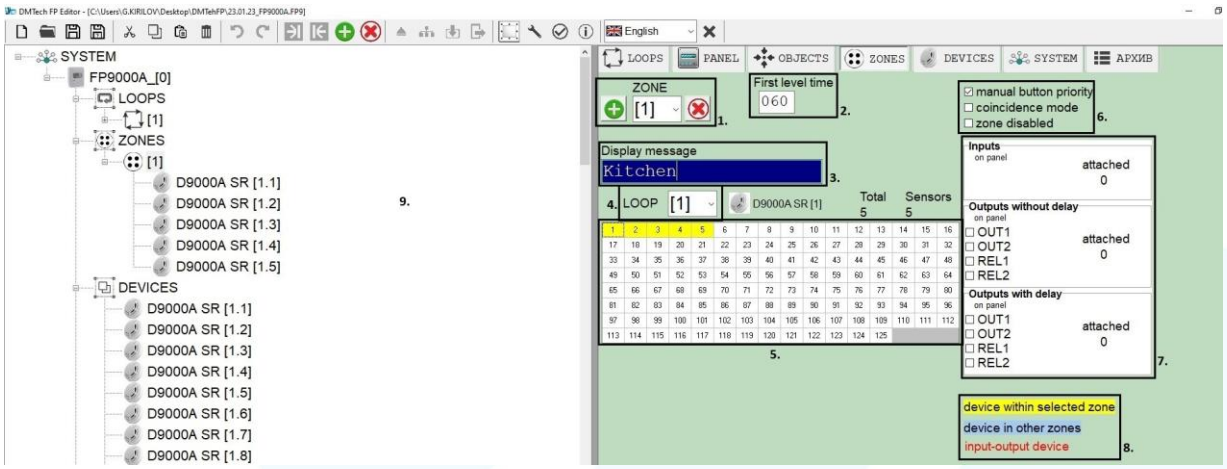
1. Setting the network address - without connected router is 0, with connected router is 1.
2. Language selection.
3. Access level passwords (second level 3, third level 1).
4. Selection of panel type from drop-down menu.
5. Selection of ground check.
6. Setting Object Priority.
7. Day/Night mode selection.
8. Release.
9. Current through the line during an outage.
10. Current through line in "Fire" condition.
11. Current through the line in short circuit condition.
12. Select number of checks before entering "Fire" state.
13. Select zone to join after entering the "Fire" condition.
14. Turning on/off a conventional line and its devices.
15. Activate check for a removed detector.
16. Text message selection.

Object configuration panel



1. Add an object to the loop from the button.
2. Select an object from the drop-down list.
3. Specify a name that will be visible to other devices on the network.
4. Drop-down menu to select panel type.
5. Enable/Disable panel network module (active when panel is selected).
6. Network address of the selected panel.

System Zones configuration panel

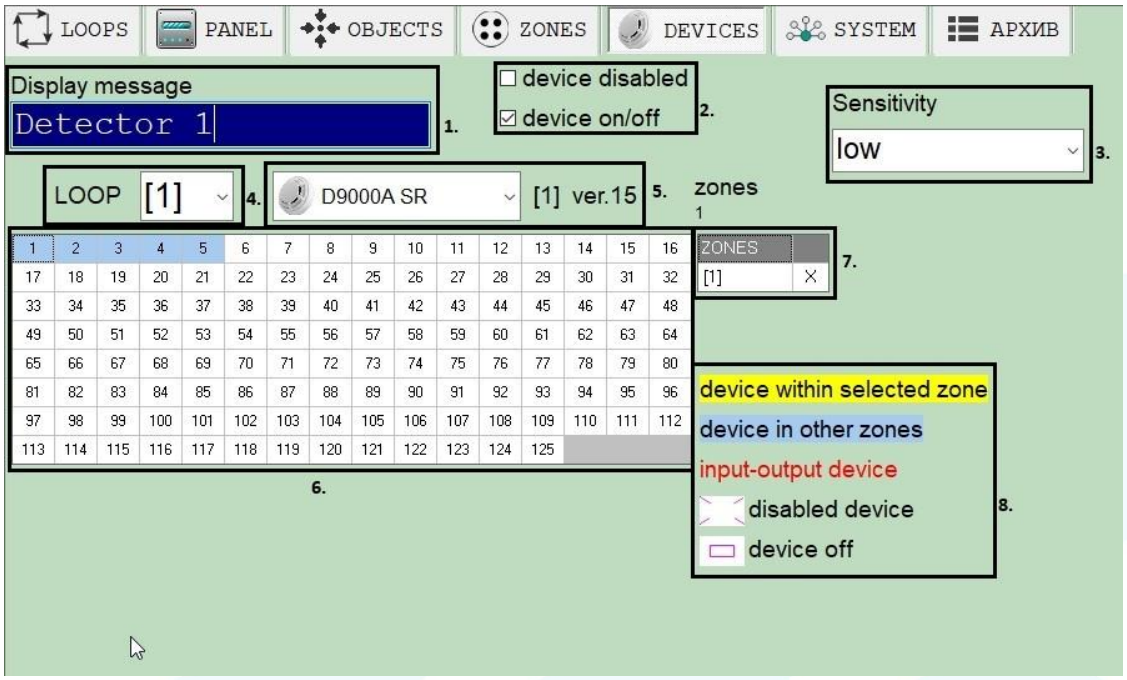


1. Add / Select / Remove Zone.
2. Time [sec.] to enter fire mode after an event occurs in the selected zone.
3. Message (Label) when an event occurs in the selected zone.
4. Select the loop from which detectors will be selected for the selected zone.
5. Selection of detectors from the loop that will be included in the zone. Above field 5 is an indication of the type of device selected and the Total number of devices and detectors.
6. Option to prioritize the manual buttons included in the zone over the established time to fire.
   Match mode option - All detectors in the zone must be activated for the system to go into a fire condition!

   Option to disable the selected zone.

7. Configure the FP9000A inputs and outputs associated with that zone. The outputs are divided into those without and with time delay when entering the fire state.
8. Legend of the status of the devices from panel 5.
9. In the system structure we can see the devices selected for the given zone.

DEVICES **System Devices configuration panel**



1. Set an individual message for the selected detector.
2. Disable / Enable the selected detector.
3. Set the sensitivity of the selected detector.
4. Set the loop from which the detector/device is to be selected.
5. Setting the type of the selected device.
6. Devices from the selected loop that can be configured.
7. Select/Disable Zone.
8. Legend with the status of the devices according to the zone they are in, the device type and its status.

*Example of differently configured devices in one zone according to the legend (8):

The zone the devices are in is not selected!

Device 1 is selected for configuration.

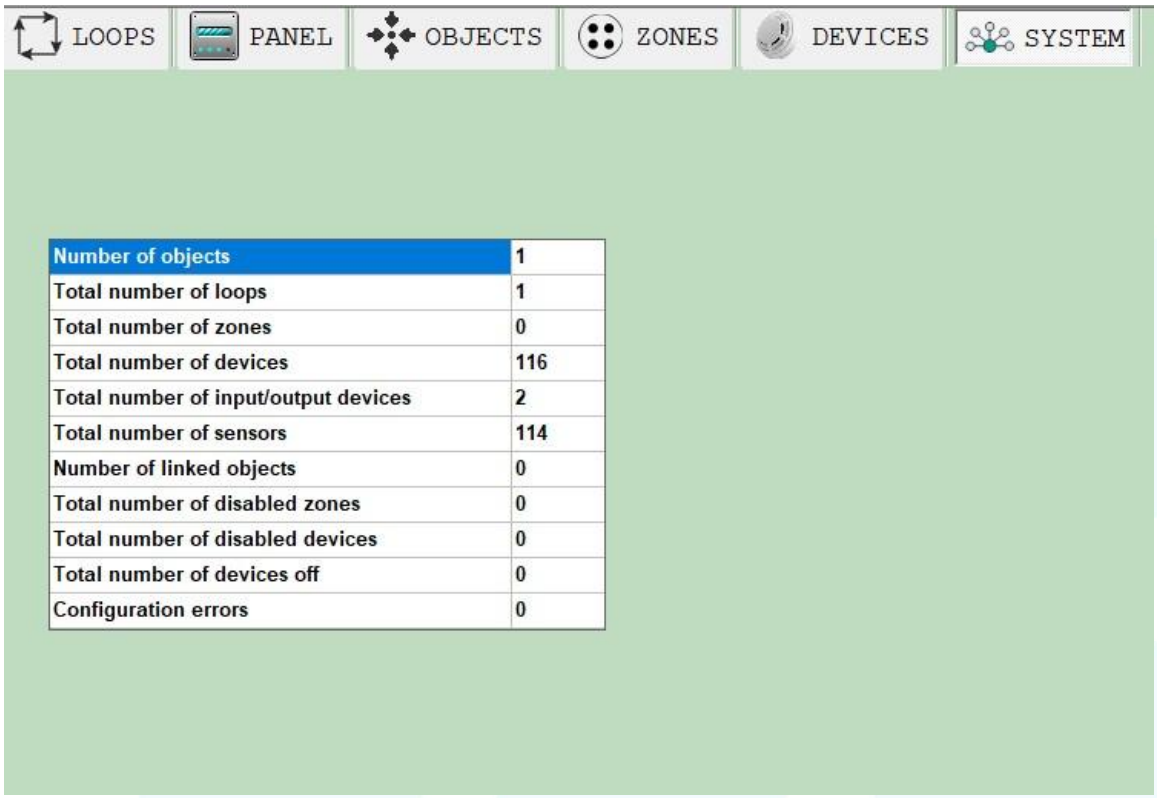
Device 2 is configured as switched off.

Device 3 is configured as disabled.

Device 4 is configured as off and disabled.

Device 5 is configured as an IO device (for example M9000A IO 1/1).

SYSTEM **Sheet with system components and detected configuration errors**



Number of objects	1
Total number of loops	1
Total number of zones	0
Total number of devices	116
Total number of input/output devices	2
Total number of sensors	114
Number of linked objects	0
Total number of disabled zones	0
Total number of disabled devices	0
Total number of devices off	0
Configuration errors	0

АРХИВ **Event archive of the FP9000A switched on control panel**

The archive contains events that occurred during the operation of the control panel. These events can be downloaded in the editor via button 5 in the image.

The archive downloaded from the control panel can be saved to a file via button 2.

The event archive can be printed using button 3.

Button 4 - Settings.

Button 6 - Update the current events from the control panel.

Legend: Event "Problem" Event "Fire" Problem corrected

System restart

***Event archive is read separately and saved to a file separate from the configuration!**

All actions in this editor are standalone and do not affect the control panel configuration!