ELEKS®

NOVA-AFCP-RP

INTELLIGENT ADDRESSABLE FIRE DETECTION

AND

CONTROL REPEATER PANEL

AFCP-RP

INSTALLATION AND USER GUIDE

WARNING: PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE OPERATING OR PUTTING THE DEVICE INTO OPERATION

TABLE OF CONTENTS

1. INTRODUCTION

NOVA-AFCP-RP Intelligent Addressable Fire Detection and Control Repeater Panel is an addressable type product used for fire detection and warning, allowing monitoring and intervention. It can be used as a repeater panel for all Nova series panels.

2. FUNCTIONAL SPECIFICATIONS

- NOVA-AFCP-RP can take any address between 1 and 96 as one of up to 96 usable parts of the network. It can work as a Loop or Line in the network. The repeater panel receives and displays data from all panels on the network. The panel provides a clean and readable text with 4 lines & 40 characters backlit LCD display so that the user can fully see the warnings such as fire/fault. It performs selected functions according to network actions and shows 600 active alarms, 600 active faults and 600 active message records. Past event records are not visible on the repeater panel. The time and date on the repeater panel can be synchronized over the network. In addition, a different time and date can be set via the menu.

2.1. PRODUCT FEATURES (TABLE-1)

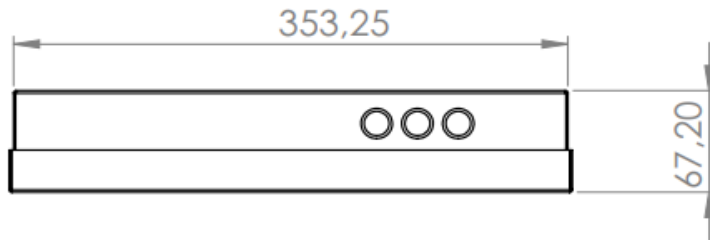| NOVA-AFCP-RP |
|---|
| Complies with Eleks NOVA protocol. |
| 1 Fire Relay and 1 Fault Relay. |
| 600 active alarms, 600 active faults, 600 active messages, 1800 total active event memory. |
| 4 line & 40 character backlit LCD display. |
| Supports the following network connection distances: |
| Data and Energy, 250mt distance with CAT6 cable, |
| Data, CAT6 and Energy, 0.8 fire cable / 1km distance with external supply |
| Data and Energy, 1km distance with 0.8 fire cable |

3. TECHNICAL SPECIFICATIONS

Model	NOVA-AFCP-RP
Description/Type	Intelligent Addressable Fire Detection and Control Repeater Panel
*Main Supply Input	Fed through the main panel. (See Note 1) In case external power supply is required: 27 VDC ± 0.5 VDC
*Supply Current	4 A @ 27VDC 108W
Alarm Relay	27 VDC @ 2A 30VDC No/Nc - Dry Contact - Originally w/o Power
Fault Relay	27 VDC @ 2A 30VDC No/Nc - Dry Contact - Originally w/ Power
Operating Temperature	(-10 °C) ~ (+55 °C)
Relative Humidity (Max)	95% RH Non-Condensing
Protection Class	IP 30
Protection Material	DKP Metal Body
Assmebly Type	Surface
LCD Features	4x40
Dimensions	192x359x68 mm
Weight	3.15 kg
Warning LEDs	System Failure, Power Failure, Fire, Fault, disabled, Test, System On, Siren Active, Network
Keyboard	Reset, Buzzer Mute, Lamp Test, Siren Active/Mute, Up, Down, Forward and Backward Arrow Keys, Alfanumerical keys

4. SAFETY AND INSTALLATION

Installation must only be done by authorized personnel.
Make sure that the panel has not been damaged due to poor shipping or improper storage.

- Please pay attention to the permissible environmental conditions.
- Do not install in environments that may be exposed to dust and high temperatures.
- Prefer places without water access. Panel protection class is IP30.
- The panel must not be exposed to impact or vibration.
- Make the panel assembly at eye level.
- You can mount the panel case on the surface. Flush mounting is not possible.

NOVA AFCP-RP TOP VIEW
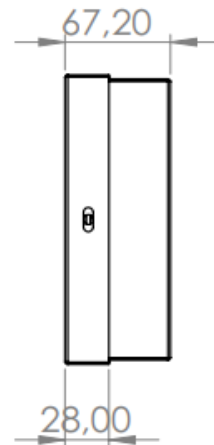
NOVA AFCP-RP LEFT VIEW
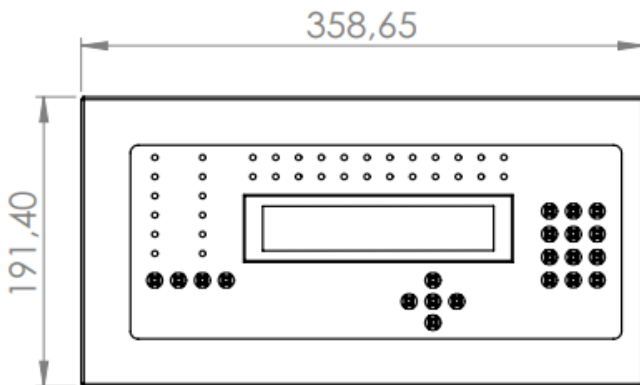
NOVA AFCP-RP FRONT VIEW

⚠	**Risk of electric shock!**
	Perform panel assembly when the panel is not powered-up.

- First of all, determine the location of the panel mounting holes and drill them for the installation.
- Insert the dowels into the mounting holes. Use at least 5 mm screws and dowels for mounting.
- Before fixing the panel, bring all the connection cables to the place where the panel will be assemblied.
- Remove the front cover from the lower case with the mounting screws.
- Fix the lower case to the mounting place. Make sure that not to expose to vibrations and shocks.
- Perform the cable connections. Cable connections must be performed by qualified technical personnel.
- When you have finished the opening and testing steps, and if the panel is in normal operating mode, fix the front cover to the lower case with screws.

5. PUTTING INTO OPERATION

NOVA-AFCP-RP can take any address between 1 and 96 as one of up to 96 usable parts of the network. It can operate as a Loop or Line in the network. The first thing to do is to assign an unused ID to the repeater panel in the network. After the ID is given, go to the menu "3.7.1-NETWORK SCAN" from any panel on the network and start a network scan. After scanning, the repeater panel will also be included in the system and will be ready to use.

Remove the connections from the terminals before any changes to be performed later.

Factory settings default values:

- Fire relay and fault relay are active.
- Network is enabled by factory setting.
- Network actions are active.
- Network neighbors are deleted.
- Network re-scan must be performed.
- Address of the re-scan is set as 96.

The above-mentioned states are the factory setting states when you first start the device.
When you reset the system to the factory settings, the system will return to the above states.

6. PANEL INDICATOR AND CONTROL KEYS
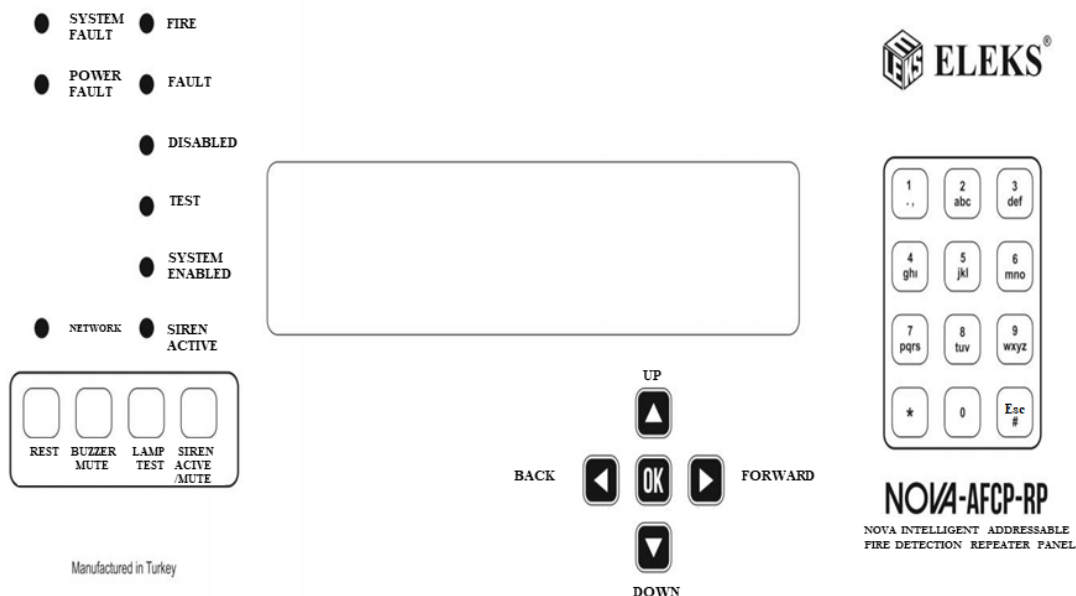
6.1. LED Indicators

System Fault LED (Yellow)

The system fault led becomes active when the SD card fails, the voltage of the panel drops below 20 Volts or the microprocessor fails.
In case of fault, the buzzer is activated as an audible warning.

Power Fault LED (Yellow)

When there is no mains voltage, it becomes active together with the general fault led.
In case of fault, the buzzer is activated as an audible warning.

Network LED (Green)

When network is enabled in the panel system settings, the network led becomes active.

Fire LED (Red)

The fire led becomes active in case of fire alarm detected from the devices.

Fault LED (Yellow)

In case of a fault on the panel system, it lights up with the related fault led.

Disabled LED (Yellow)

When the Alarm Relay or Fault Relay on the repeater panel is disabled, this led becomes active.

Test LED (Yellow)

Test LED becomes active with the Lamp Test button.

System Enabled LED (Green)

When the panel is powered up, the system enabled led becomes active.

Siren Enabled LED (Red)

When the panel sirens start to operate, the siren enabled led becomes active.

NOTE: During software update, re-powering or hard reset, the leds may be active differently until the system restarts completely. LEDs that are active during this period must not be taken into account.

6.2. Control Keys

Reset Button

Resets the system. Clears existing fault and alarm status.
Resetting process is performed by Level 2 user.

Buzzer Mute Button

In order to mute the active buzzer, press the buzzer mute key.
Buzzer mute process is performed at all levels.

Lamp Test Button

With the lamp test button, all leds on the panel becomes active for 3 seconds.
If there is a faulty LED, contact the manufacturer. Lamp testing is performed at all levels.

Siren Active / Mute Button

Depending on the panel model connected to the network, Siren 1, Siren 2, Siren 3 and Siren 4 outputs and AS, AB, ASB and SAM devices connected to the loops, control of the device w/ relay and Sensor PIL control in Menu 4.7 on the main panels, including devices w/ relays and PILs activated from the menu, are enabled or muted when the the siren active/mute button is pressed. When the button is enabled, if the button is pressed repeatedly, the panel does not respond and a warning is diplayed on the screen. It does not initiate the closing process until full opening is performed.

Back Button

Used in operations such as returning in menus, canceling operation in options and answering "no" in yes - no questions. Pressing the back key in the main menu turns off the LCD backlight and it returns to the main screen. If any alarm, fault or message is active, the LCD backlight will be active again after a while and the menu screen is displayed showing the alarm, fault and message counts.

Forward Button

Used in operations such as entry in menus, confirmation of operations in some options, and answering "yes" in yes - no questions.

Up Button

Used to navigate upwards through the menu steps, to browse between the options in optional operations, to increase the numbers in the selection proceedings with numbers and to scroll through the pages in multi-page screens.

Down Button

Used to navigate downwards through the menu steps, to browse between the options in optional operations, to decrease the numbers in the selection proceedings with numbers and to scroll the pages in multi-page screens.

OK Button

Used in menu entries and for confirming changes performed.

Alphanumeric Buttons

Used to write characters that include letters a to z and numbers 0 to 9, as well as punctuation marks such as periods, commas, asterisks, and octothorpes.

Exit Button

Cancels the current operation and directs to the main screen.

NOTE: *The keys are designed to repeatedly repeat the action assigned to the key, according to the current operating mode, when held down.*

6.3. LCD Display
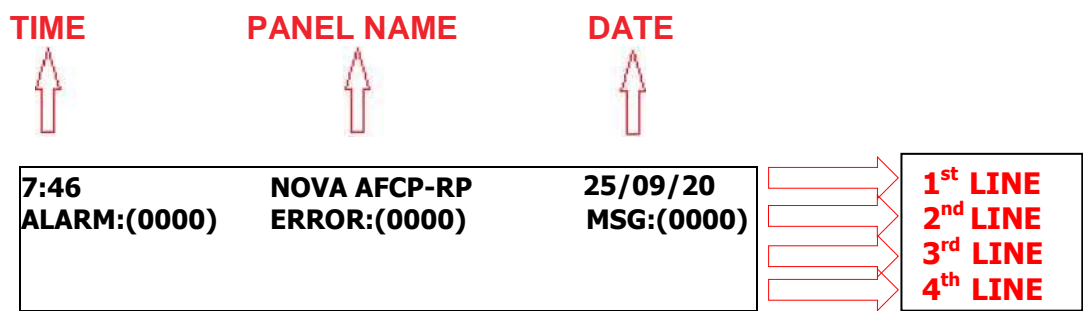
The panel LCD screen is equipped with 4 lines x 40 characters and allows the user to perform all settings easily with the help of control keys.

LCD Display Setting

You can adjust the contrast with the LCD trimpot on the motherboard.

7. HOW TO USE THE PANEL MENU AND ITS FEATURES

MAIN DISPLAY

TIME   PANEL NAME   DATE

```
7:46            NOVA AFCP-RP     25/09/20       ▷ 1st LINE
ALARM:(0000)    ERROR:(0000)     MSG:(0000)     ▷ 2nd LINE
                                                ▷ 3rd LINE
                                                ▷ 4th LINE
```

When the panel is energized for the first time, current alarms, errors and messages are checked. If there are any notifications, they are displayed on the main screen. In addition, time, date and panel name are shown on the main screen. The main screen consists of 4x40 lines and characters.

7.1. LOGS

Level 1 and above can access this menu.
If no action is taken for 45 seconds after entering the level, the level will be exited.
Under this menu, current alarms, faults and messages are displayed.

```
07:46               NOVA AFCP-RP            25/09/20
        1.1   - ACTIVE ALARM/FAULT/MESSAGE
```

Menu screen display

7.1.1. ACTIVE ALARM/FAULT/MESSAGE

Under this menu, current alarm, faults and messages are displayed. (Active notifications)

```
07:46               NOVA AFCP-RP            25/09/20
1.1.1        - ACTIVE ALARM    (0000)
1.1.2        - ACTIVE FAULT    (0000)
1.1.3        - ACTIVE MESSAGE (0000)
```
Active alarm/fault/message menu screen display

Unless there is any active alarm/fault/message, the warning screen can be seen as below notifying that there is no log.

```
-------------------------------------------------------
                      NO LOG
-------------------------------------------------------
```
Warning screen notifying for no log

If there is any active alarm/fault/message, logging information screen is displayed as below.

```
     25.09.20 07:46 - No:(0001/0001)


     _____
     INFO: BATTERY CONNECTION ERROR
```
Logging information sample screen

Note: If a notification is received from any network panel, the ID of that panel is displayed on the screen.

No **:** Log Number
INFO : Log Information

7.1.1.1. ACTIVE ALARM

In this menu, current (active) alarm logs are displayed. Scroll through the logs with the Up/Down buttons. If there is no current alarm, the warning screen is displayed stating that there is no log. If there are any current alarms, the log information screen is displayed. 600 current (active) alarm log memories are available.

7.1.1.2. ACTIVE FAULT

In this menu, current (active) fault logs are displayed. Scroll through the logs with the Up/Down buttons. If there is no current error, the warning screen is displayed stating that there is no log. If there are any current errors, the log information screen is displayed.
600 current (active) fault log memories are available.

7.1.1.3. ACTIVE MESSAGE

In this menu, current (active) message logs are displayed. Scroll through the logs with the Up/Down buttons. If there is no current message, the warning screen is displayed stating that there is no log. If there are any current messages, the log information screen is displayed.
600 current (active) message log memories are available.

7.2. VIEW: DETAILS

Level 2 and above can access this menu.
If no action is taken for 45 seconds after entering the level, the level will be exited.
Under this menu, the configuration of the repeater panel is performed.

After entering the menu, the password screen will appear for level 2 access. A sample screenshot is shown below. Access the password screen with the OK button and enter the level 2 password.

PASSWORD REQUIRED	
CANCEL (BACK)	(OK) ENTER

07:46	NOVA AFCP-M	25/09/20
PASSWORD :		

Access level password entry screen

PASSWORD CONFIRMED

Password correct screen

PASSWORD REJECTED

Password incorrect screen

If the level access password is entered correctly, password correct screen is displayed.
If the level access password is entered incorrectly, password incorrect screen is displayed.

```
07:46              NOVA AFCP-RP           25/09/2020
     2.1 - REPETITIVE CONFIGURATION
     2.2 - RELAY CONFIGURATION
     2.3 – CONFIGURATION: PASSWORD
```

Detail viewing menu screen display

```
07:46              NOVA AFCP-RP           25/09/2020
     2.4 - REPETITIVE CONFIGURATION
     2.5 - RELAY CONFIGURATION
     2.6 - CONFIGURATION: PASSWORD
```

```
07:46              NOVA AFCP-RP           25/09/2020
     2.1 – VIEW : VOLTAGE
     2.2 – TEST
```

Configuration menu screenshot

7.2.1. REPETITIVE CONFIGURATION

Address and name of the panel and network-connected panel list are displayed and reset to factory setting is performed.

```
07:46              NOVA AFCP-RP           25/09/20
     2.1.1 – SET : REPETITIVE ADDRESS
     2.1.2 – SET : REPETITIVE NAME
     2.1.3 – SET : CONNECTED NETWORK PANEL
```

```
7:46               NOVA AFCP-RP           25/09/20
     2.1.4 – FACTORY RESET


---------------------------------------------------------------------
```

Repetitive configuration menu screenshot

ATTENTION: During the configuration, situations such as alarms and errors that will occur in the devices will not be displayed.

7.2.1.1. SET : REPETITIVE ADDRESS

The current ID number of the repeater panel can be changed in this menu. Panel IDs will be required for network connections. After entering the menu, you can set the new ID number with the up/down buttons and then confirm with the OK button

```
07:46              NOVA AFCP-RP           25/09/20
Rpt : 01 LOGS
Rpt : ADDRESS : 1
NEW ADDRESS :
```

Panels' ID No configuration menu screenshot

```
                   OPERATION COMPLETED

```

Panels' ID No configuration confirmation menu screenshot

7.2.1.2. SET : REPETER NAME

A new name can be assigned to the repeater panel from this menu. After entering the menu, type the desired name with the alphanumeric keys and forward and backward keys and press the OK button. After the confirmation screen, the operation takes place and returns to the main screen.

```
07:46           NOVA AFCP-RP           25/09/20
Rpt : 01 LOGS
REGISTERED PANEL NAME: NOVA AFCP-RP
NEW PANEL NAME          :
```

Set : Repetitive name configuration menu screenshot

```
WORK IN PROGRESS
PLEASE WAIT
```

Set : Repetitive name configuration confirmation menu screenshot

7.2.1.3. CONNECTED NETWORK PANEL

Panels connected to the network system are seen in this menu. The panels in the system are displayed through any panel connected to the network. Whichever panel have you entered in, the ID of that panel is displayed as [XX], the IDs of the other panels on the network are displayed as [OK] and the IDs that are not present in the system are displayed as [--]. In this menu, you can see up to 96 networked panels.

```
CURRENT PANEL LIST                      Page(1/12)

P[01][XX]   P[02][--]   P[03][--]   P[04][--]
P[05][ -- ]   P[06][--]   P[07][--]   P[08][--]
```

Connected network panel screenshot

7.2.1.4. FACTORY RESET

This menu is used to reset the repeater panel to its factory settings. All records and events will be deleted. Data cannot be retrieved. Follow the menu steps.

7.2.2. RELAY CONFIGURATION

In this menu, the configuration settings of the relay outputs on the system are performed. When you enter this menu, another menu will appear asking you to select the relay you want to configure. Adjust with the up/down buttons and press the OK button.

```
ALARM RELAY CONFIGURATION
[1] – ENABLED/DISABLED
[#] – EXIT
```

Alarm relay configuration menu

[1] ENABLED/DISABLED: Press the 1 button to select this menu. To enable or disable the selected relay, press the OK button and the up/down buttons.
[#] - EXIT   **:** Press # to exit the menu.

```
FAULT RELAY CONFIGURATION
[1] – ENABLED/DISABLED
[#] - EXIT
```

Fault relay configuration menu

[1]   ENABLED/DISABLED: Press the 1 button to select this menu. To enable or disable the selected relay, press the OK button and the up/down buttons.
[#] - EXIT   **:** Press # to exit the menu.

7.2.3. CONFIGURATION : PASSWORD

This menu is used to change the access passwords. Follow the menu steps.

7.2.4. CONFIGURATION : TIME / DATE

This menu is used to adjust time and date.

7.2.4.1.　　SET : TIME

After entering this menu, confirm with the OK button and follow the menu steps. Enter the hour and minute information with the alphanumeric keys. Confirm with the OK button.

7.2.4.1.　　SET : DATE

After entering this menu, confirm with the OK button and follow the menu steps. Enter the date information with the alphanumeric keys. Confirm with the OK button.

7.2.5. CONFIGURATION : NETWORK

This menu is used to activate/deactivate the network feature, to define its actions and to synchronize the date/time.

07:46	NOVA AFCP-RP	25/09/20
2.5.1 – SET	: NETWORK STATUS	
2.5.2 – SET	: NETWORK ACTION	
2.5.3 – ADJUST	: NETWORK TIME	

Configuration : Network menu

If the network card is present in the system or has been installed later, the panel IDs must be arranged after the system is re-powered up.

It should be activated by entering "5.3.1 SET: NETWORK STATUS" menu in all panels that should be on the network, and the menu "2.5.1 SET: NETWORK STATUS" menu in all repeater panels.

Network actions must be set as desired.

After these steps, a network scan must be done by entering "3.7.1 NETWORK SCAN" menu on any main panel connected to the network.

> ⚠ **If the ID of any panel is changed in a networked system with its network activated, scanned and active, network scanning should be done again after the change.**

7.2.5.1.　　SET : NETWORK STATUS

This menu is used to enable/disable the network feature.

7.2.5.2.　　SET : NETWORK ACTION

This menu is used to select which commands will be processed over the network.

RECEIVE / EXECUTE THE COMMANDS FROM THE NETWORK	
1 - Srn A/P Btn [--]	4 – ALARMLARS [--]
2 - RESET　Btn [--]	5 – FAULTS　　[--]
3 - Buzzer　Btn [--]	6 – SAVE/EXIT

Network actions menu

7.2.5.3.　　CUSTOMIZE : NETWORK TIME

If you enter this menu from any panel connected to the network, it will set the date and time of the other panels to the date and time of the current panel.

7.2.6. CONFIGURATION : LANGUAGE

This menu is used to change the panel language. There are 6 different languages and a total of 12 options for each language, either uppercase or all lowercase. Arrow keys are used to make selections.

7.2.6. CONFIGURATION : VOLTAGE

In this menu, the supply, system and grounding voltage values are displayed on the screen.

```
07:46              NOVA AFCP-RP              25/09/20
2.7.1 - VIEW : MAINS VOLTAGE
2.7.2 - VIEW : SYSTEM VOLTAGE
2.7.3 - VIEW : GROUND VOLTAGE
```
View: voltage menu

7.2.7.1. VIEW : MAINS VOLTAGE

In this menu, the supply voltage is displayed on the screen.

7.2.7.2. VIEW : SYSTEM VOLTAGE

In this menu, the system voltage is displayed on the screen.

7.2.7.3. VIEW : GROUND VOLTAGE

In this menu, the ground voltage is displayed on the screen.

7.2.8. TEST

In this menu, system tests are performed.

```
07:46              NOVA AFCP-RP              25/09/20
2.8.1 - TEST : LCD
2.8.2 - TEST : HID Led
2.8.3 - TEST : ALARM/FAULT RELAY
```

```
07:46              NOVA AFCP-RP              25/09/20
2.8.4 – Info : Software ver.
-------------------------------------------------------------------------
```
Test menu

7.2.8.1. TEST : LCD

This menu is used to test the LCD screen. When you enter this menu, the characters light up on the LCD screen in sequence. Automatically returns to the menu screen when the test is completed.

7.2.8.2. TEST : HID Led

This menu is used to test the LEDs on the HID screen. When you enter this menu, the LEDs on the HID card light up in sequence. Automatically returns to the menu screen when the test is completed.

7.2.8.3. TEST : ALARM/FAULT RELAY

This menu is used to test the fire relay or fault relay on the panel. Follow the menu steps. The relay performs its test to be "ON/OFF". Returns to the post-test menu screen.

7.2.8.4: INFO : Software ver.

This menu is used to view the software versions of the main processor and co-processor.

8. REPEATER CARD FEATURES

1. ALARM RELAY A	The dry contact output connection terminal that is active in case of fire
2. ALARM RELAY B	
3. FAULT RELAY	The dry contact output connection terminal that is active in case of fault
4. EXT. POWER IN/OUT	Panel supply socket from network card
5. HID	HID connection
6. ETH	Ethernet socket
7. NETWORK	Network socket
8. USB	USB socket
9. SERIAL1	
10. SERIAL2	
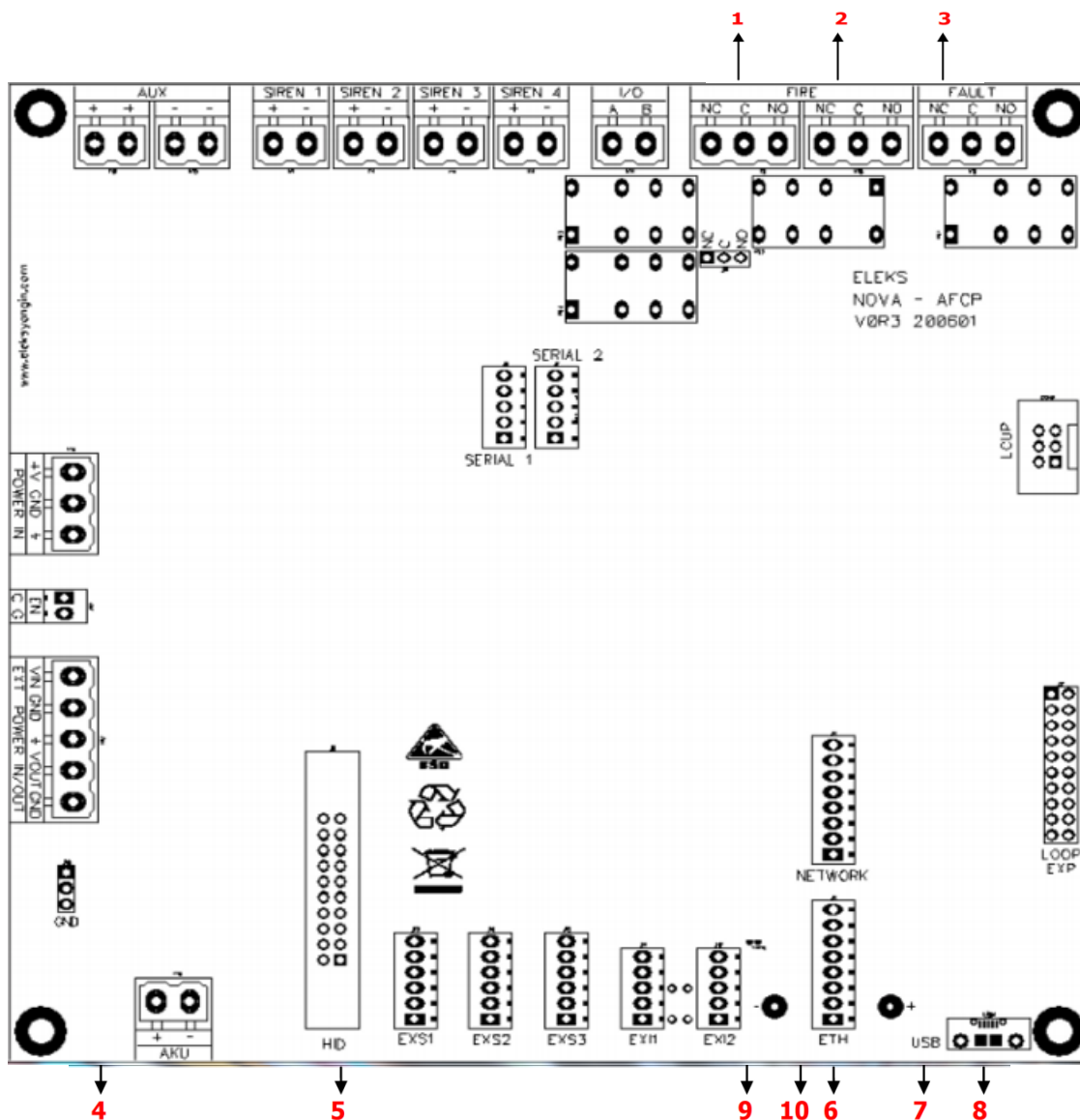
9.   REPEATER PANEL CONNECTIONS
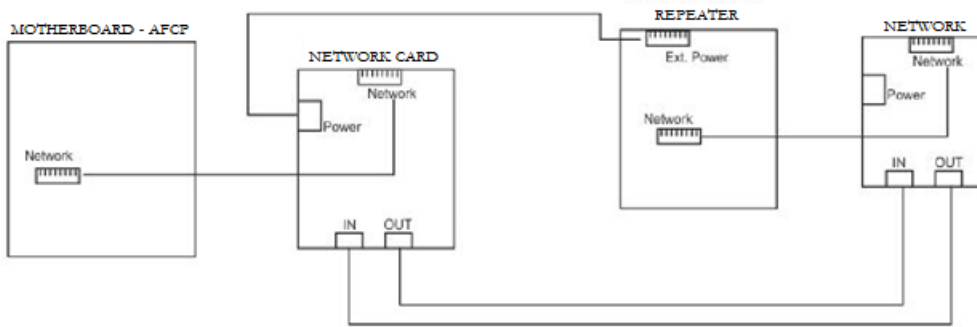
10.   ACCESS PASSWORDS AND LEVELS

LEVEL	INFO	PASSWORD
LEVEL 1	PASSWORD NOT REQUIRED	-
LEVEL 2	MONITORING & FOLLOW-UP	1991
LEVEL 3	PUTTING INTO OPERATION	2016
LEVEL 4	CUSTOM SETTINGS	7007
LEVEL 5	TECHNIC	CONTACT THE MANUFACTURER
LEVEL 6	ENGINEERING & SERVICE	CONTACT THE MANUFACTURER

11.   WARNINGS
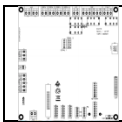
Installation must only be performed by authorized personnel.
Make sure that the panel has not been damaged by poor shipping or improper storage.

NOTE: *During software update, re-powering or hard reset, the leds may be active differently until the system restarts completely. Leds that are active during this period must not be taken into account.*

NOTE: *The keys are designed to repeatedly repeat the action assigned to the key, according to the current operating mode, when held down.*

ATTENTION: *Conditions such as alarms and errors that will occur on the devices during configuration will not be displayed.*

NOTE: *If there is no device connected to the Loop card or no connected device is detected during scanning, the Loop is automatically disabled.*

Changes performed with the Nova-HAM handheld addressing terminal (sensitivity settings, X temperature class settings and led flashing) are saved in the device. In order for the changes performed to be visible on the panel, the appropriate device scanning menu step must be performed after all changes have been performed.

NOTE: *By listing the zones in the configuration software, you can see their enabled, disabled status and zone assignments. To create a zone, you need to make an assignment.*

NOTE: *You can see the delay information and output assignments by listing the output groups in the configuration software. To create an output group, you need to perform an assignment.*

ELEKS®

REPUBLIC OF TURKEY
MINISTRY OF TRADE
TURKISH COMPETITION AUTHORITY

CERTIFICATE OF WARRANTY

The Approval Date and Number of the Certificate:

Pursuant to the Consumer Protection Law - No: 4077 and the Regulation on the Implementation Principles of the Warranty Certificate, which was put into effect on the basis of Law No: 4077, the use of this Certificate has been authorized by Republic of Turkey, Ministry of Trade, Turkish Competition Authority.

MANUFACTURER / IMPORTER COMPANY

TITLE   **:** ELEKS ELEKTRİK ELEKTRONİK SİSTEMLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ
ADDRESS: Şerifali Mah. Bayraktar Cad. Emin Sok. No:3 Y.Dudullu - Ümraniye / ISTANBUL
TEL   **:** 0216 463 47 28-29- 30
FAX   **:** 0216 463 47 31

COMPANY REPRESENTATIVE

SIGNATURE AND STAMP

PRODUCT INFORMATION

TYPE	INTELLIGENT ADDRESSABLE FIRE DETECTION AND CONTROL PANEL
BRAND	ELEKS
MODEL	NOVA-AFCP-M / NOVA-AFCP-B
BANDEROLE AND SERIAL NO.	
DATE AND PLACE OF DELIVERY	
WARRANTY PERIOD	2 (TWO) YEARS
MAXIMUM REPAIR TIME	30 BUSINESS DAYS

VENDOR COMPANY

TITLE	
ADDRESS	
TEL	
FAX	
INVOICE DATE AND NUMBER	

DATE – SIGNATURE – STAMP

WARRANTY TERMS AND CONDITIONS

1.   The warranty period starts from the delivery date of the product and is 2 (two) years.

2.   The entire product, including all parts, is under the guarantee of our company.

3.   In case of malfunction of the product within the warranty period, the time spent in the repair is added to the warranty period. The repair period of the goods is maximum 30 (thirty) business days. This period starts from the date of notification of the product to the service station. In case the service station is not available, this period starts from the date of notification to one of the seller, dealer, agency, representative, importer or manufacturer of the product, respectively.

4.   In case of malfunction of the product due to material and workmanship or assembly errors within the warranty period, the product shall be repaired without any charge under any other name, such as labor cost, replacement part cost or any other name.

5.   The product shall be replaced free of charge in the following cases:

-       The continuity of the situation being permanent for not being able to use the product as a result of repeating the same fault more than 2 times in 1 (one) year or the occurrence of different faults more than 4 times from the date of delivery provided that it is within the warranty period,

-       Exceeding the maximum time required for the repair of the product,

-       In case the service station is not available, a free replacement shall be performed in cases where it is determined that the repair of the fault is not possible with a report to be prepared by one of the seller, dealer, agency, representative, importer or manufacturer of the product, respectively.
-
6.   Malfunctions resulting from the use of the product contrary to the terms in the user guide are not covered by the warranty.

7.   It is recommended to apply to the Ministry of Trade Turkish Competition Authority for any problems that may arise regarding the Warranty Certificate.

Pursuant to the Consumer Protection Law - No: 4077 and the Regulation on the Implementation Principles of the Warranty Certificate, which was put into effect on the basis of Law No: 4077 for the use of this certificate, it has been issued in accordance with the following documents obtained from Ministry of Trade, Turkish Competition Authority.

Date: 18.12.2007 Certificate No.: 47086