

Esmi Impresia Handheld Programming Tool

Esmi Impresia Handheld Programming Tool is a programming tool for setting addresses of Esmi Impresia devices (detectors, modules, call points and sounders), supporting Schneider Electric communication protocol. The programmer is designed for reading and writing addresses and setting of parameters to Esmi ELC range addressable detectors.



Technical specifications

Main Power Supply	(4,2 - 8)VDC
Back-up Power Supply:	Batteries 4 x 1,5V, size AA
Current consumption	
Standby (display backlight ON)	(28 ±2)mA @ 6VDC
Standby (display backlight OFF)	(22 ±2)mA @ 6VDC
Communication	(60 ±5)mA @ 6VDC
Range of the addresses	1 - 250
English Menus	YES
Dimensions	225 x 102 x 65 mm
Weight (without batteries)	260g
Nominal Operating Temperature	-5°C - 40°C
Storage temperature	-20°C - +70°C
Related Humidity	≤93% @ +40°C

Reference Table for Button Functions

Button		Operating Menus						Function
		Main	Set address	Check address	Read parameters	Save parameters	Language	
	<i>Esc</i>	✓	✓	✓	✓	✓	✓	Rejects the settings. Exit to the main operating menu. Shows the current software version of the programmer and the logo of the manufacturer.
	<i>Up</i>	✓			✓	✓	✓	Scroll up to the previous menu or parameter.
	<i>Modify</i>		✓			✓		Increase the numeric digit with one unit.
	<i>Down</i>	✓			✓	✓	✓	Scroll down to the next menu or parameter.
	<i>Right</i>		✓			✓		Move the cursor with one step on the right.
	<i>Enter</i>	✓	✓	✓	✓	✓	✓	Confirm the settings. Start reading/ writing address and configuring parameters.

Address Programming Procedure

1. Connect the programmer to the device:
 - Mount the detector onto the programmer’s base;
 - Use a cable with 5-pin block connector terminal for Esmi Impresia devices
2. Turn the power on.
3. Choose a programming menu, set the address and run the writing function.
4. Wait until the end of the procedure and then remove the device. It is not necessary to turn the power off the programmer unit.
5. Connect the next addressable device.
6. Proceed with the addressing or setting procedure.


NOTE: If you connect by mistake or other reasons more than one device to the Esmi Impresia Handheld Programming Tool, the unit will alert with an error message when you start writing and reading address function.

Messages

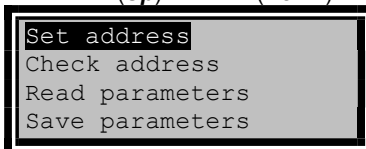
Successfully	The new address or parameter is successfully set/ read.
Unsuccessfully	The new address or parameter is not set/ read.
Wrong Address	The set address is out the range 1 - 250.
No Device	There is no addressable device connected to the programmer.
More Devices	There is more than one device connected to the programmer.
Commun. Error	Unsuccessful communication with the addressable device.
Overload	The communication line is overloaded.
Short Circuit	Short circuit in the communication line.
NONE	This message is shown in those cases when the installer tries to set parameters to a detector without reading first the current factory settings.


Operating with Esmi Impresia Handheld Programming Tool

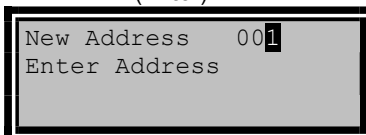
1. Setting (writing an address)



Save parameters Press the  (**Esc**) button several times to exit back to the main programming menu in case you have entered other menus earlier.



Use the  (**Up**) and  (**Down**) buttons to choose the “Set Address” menu.






Press the  (**Enter**) button to enter the menu.




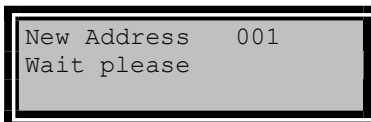
Use the  (**Modify**) and  (**Right**) buttons to set address for the device displayed on the first row of the screen:

- Press the  (**Right**) button to move the cursor on the right. When is reached the last position of the address, the cursor will move automatically to the first digit of the address.
- Press the  (**Modify**) button to increase the digit with one unit. You can increase the digit when the cursor is blinking over it. When the cursor is over the least significant digit (the last right digit) the increasing is done with transfer to the next two most significant digits.

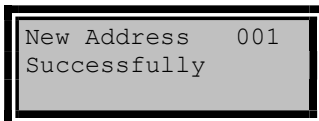
Examples:

1. The displayed address is **009** and the next pressing of the  (**Modify**) button will increase the address to **010**.
2. The displayed address is **099** and the next pressing of the  (**Modify**) button will increase the address to **100**.
3. The displayed address is **099** and the next pressing of the  (**Modify**) button will change the address to **009**. In that case, there is no transfer to the most significant digit because the cursor is under the middle digit of the address.

Press the  (**Enter**) button to start the writing procedure. While the addressing procedure is running the screen displays:



The writing procedure completes when the screen displays:



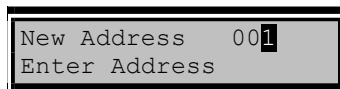
Example: To set address 115 to a device do the following:



Choose the “Set address” start menu – scroll with “UP” and “Down” buttons if necessary.



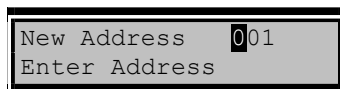
Press the “Enter” button.



“New address” setting screen. The setting always starts from the least significant digit of the address.



Press “Right” button to move to the first digit of the address.



The cursor is under the first digit of the address.



Press “Modify” button to increase the digit with one unit.



The first digit is set. Now move to the second digit.



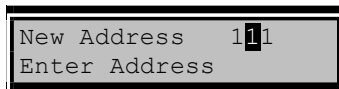
Press "Right" button to move to the next digit of the address.



Now you have to set the second digit of the address.



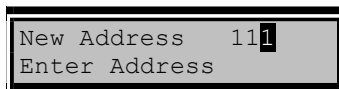
Press "Modify" button to increase the digit with one unit.



The second number is set.



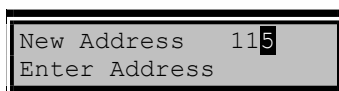
Press the "Right" button to move to the last digit.



Now you have to set the last digit of the address.



Press "Modify" button 4 times to increase the digit with four units.




The address is set.

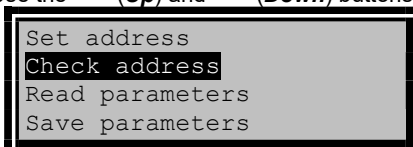



Press the "Enter" button to write the address to the connected device.

2. Reading the address of the device

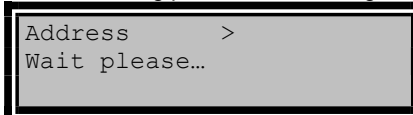
Press the  (*Esc*) button several times to exit back to the main programming menu in case you have entered other menus earlier.

Use the  (*Up*) and  (*Down*) buttons to choose the "Check address" menu.



Press the  (*Enter*) button to start reading the address.

While the reading procedure is running on, the screen displays:



After the reading is over the programmer displays on the right up corner the address of the device.




If the reading is successful, the screen displays message:

```
Address >001
Successfully
```




If the reading is unsuccessful the screen displays message:

```
Address >
Unsuccessfully
```



3. Choosing a Language

- ◆ Press the  (*Esc*) button several times to exit back to the main programming menu in case you have entered other menus earlier.
- ◆ Use the  (*Up*) and  (*Down*) buttons to choose the “Language” menu.

```
Check address
Read parameters
Save parameters
Language
```

- ◆ Press the  (*Enter*) button to enter language menu.
- ◆ Use the  (*Up*) and  (*Down*) buttons to select the desired language:

```
English
Български
Turkce
Espanol
```

- ◆ Press the  (*Enter*) button to confirm your choice or  (*Esc*) button to cancel the operation.
- ◆ The programmer will automatically load the new language and exit to the main menu:

```
Check address
Read parameters
Save parameters
Language
```

- ◆ The language settings will be saved even if the programmer is switched off.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.