




User Manual

ver 1.0


BEWARE 	Dixell S.p.A. reserve to itself the right to modify this instruction manual without any warning. Last available can be downloaded from the internet site.
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Carefully read this manual before to install and operate the Wizmate and follow the instruction exactly. We recommend to keep it handy for quick reference.

SAFETY PRECAUTIONS – READ BEFORE TO PROCEED IN THE USE OF THIS MANUAL

Symbols

Installation and wiring

 This symbol indicates a potentially hazardous operation/situation that can result in injury

 This symbol indicates high voltage and is used to call you attention on operations that could be dangerous to you and other persons.

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1 PACKAGE CONTENTS

In the Wizmate Prog-tool kit are contained the following items:

- A** 1 PROG TOOL unit
- B** 1 CD-ROM with Wizmate software and the instruction manual
- C** 1 CAB/PTK2 cable (2 meters length)
- D** 1 CAB/PTK485 (2 meters length)
- E** 1 CAB/SW 9-9 (1.8 meters length)
- F** 1 PROG TOOL power supply cable



B



A



E



C



D



F

2 MINIMUM SYSTEM REQUIREMENTS

Hardware requirements:

Processor

Minimum:

1.6 gigahertz (GHz) Pentium processor

Recommended:

2.2 gigahertz (GHz) Pentium processor recommended

On Vista minimum

2.4 gigahertz (GHz) Pentium processor recommended

RAM:

Minimum:

500 megabytes (MB)

Recommended:

1024 MB

On Vista minimum

786 megabytes (MB)

HARD DISK:

25 Mbyte to install the program, the libraries and the parameter map

SERIAL PORT:

Hardware rs232 communication port

Software requirements:

Microsoft® Windows® 2000 Professional SP4

Microsoft® Windows® 2000 Server SP4

Microsoft® Windows® 2000 Advanced Server SP4

Microsoft® Windows® 2000 Datacenter Server SP4

Microsoft® Windows® XP Professional x64 Edition (WOW)

Microsoft® Windows® XP Professional SP2

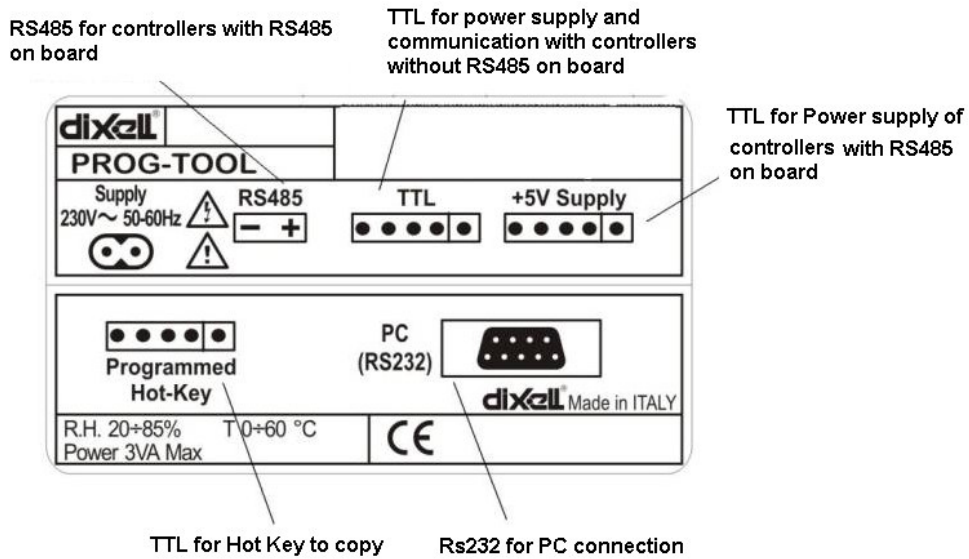
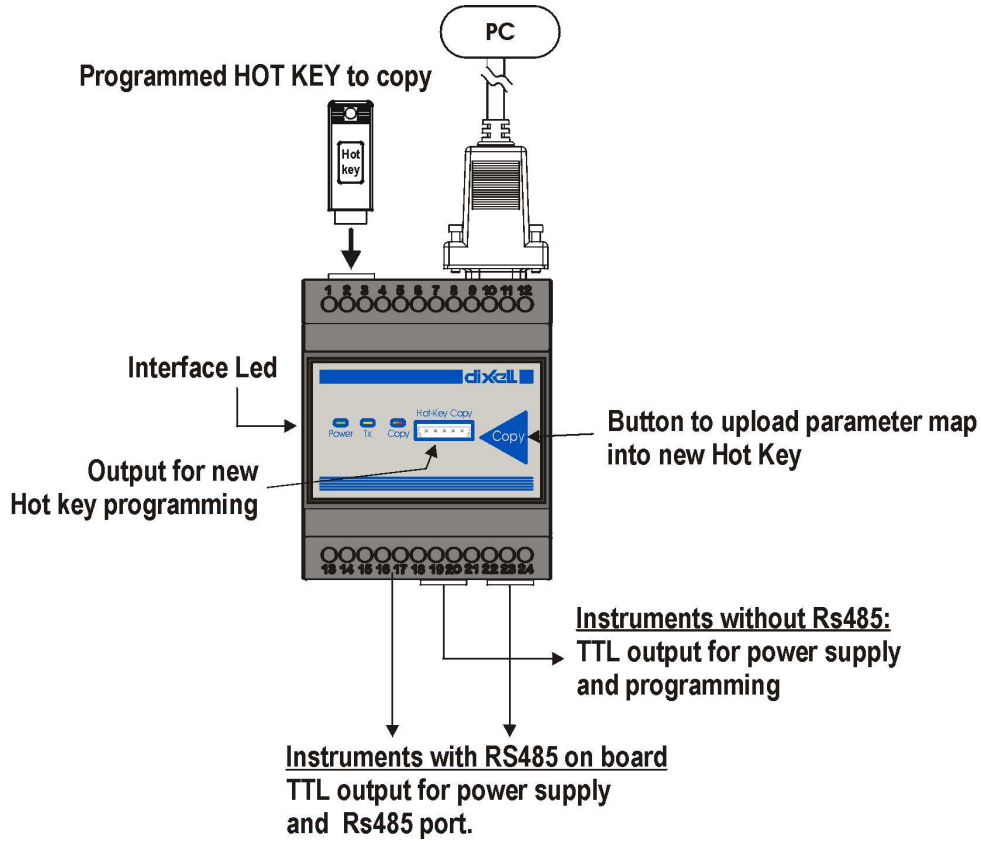
Microsoft® Windows® XP Home Edition SP2

Windows® Vista

3 USE OF PROG TOOL

PROG TOOL unit can be used to program an HOT KEY and to interface Dixell controllers to a PC in order to modify their parameter map.

3.1 WIRING DIAGRAMS



3.2 MEANING OF THE LEDS

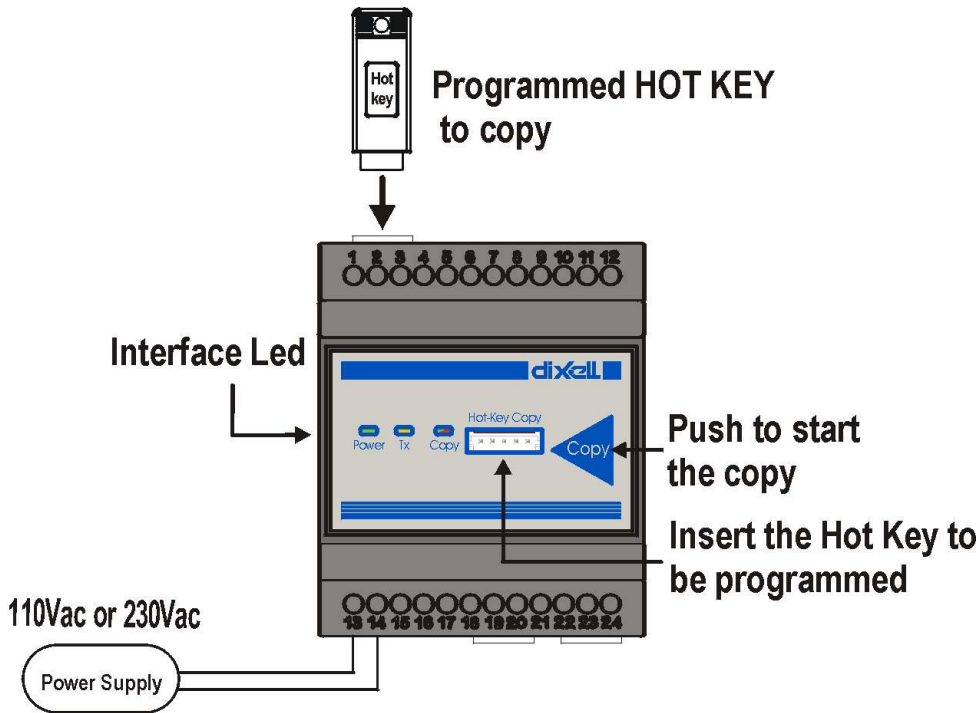
PROG Tool is equipped with 3 LEDS used to signal its working status.

Interface LED

- ^{Power} Green Led = Power supply On
- ^{Tx} Yellow Led = Hot Key programming
- ^{Tx} Yellow Led blinking = comunicaion between PC and PROG TOOL
- ^{Copy} Red Led = Hot Key programming error
- ^{Copy} Green Led = Hot key programming successful

3.3 PROGRAMMING FROM HOT KEY TO HOT KEY

This function allows to create copies of any HOT KEY already programmed.

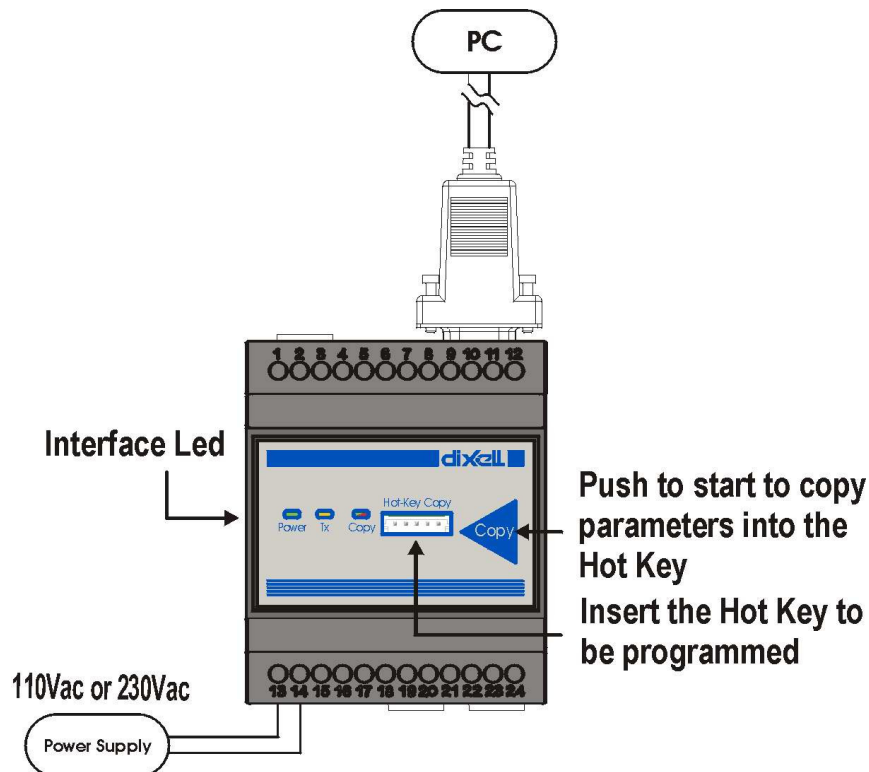


Connect the power supply and check that the “Power” Led is on.

1. Insert the origin HOT KEY into the connector located on the side of the PROG TOOL
2. Insert HOT KEY to be programmed into the connector “Hot-Key Copy” on the front of the PROG TOOL
3. Push the “Copy” button to start the transfer of data from the origin HOT KEY to the new one. During this operation Led “Copy” is blinking
4. After few seconds Led “copy” stops blinking giving the result of the operation:
Led “copy” RED = error during the programming of the HOT KEY, repeat the operation and if needed replace the HOT KEY.
Led “copy” GREEN = operation successfully completed; the Hot Key has been correctly programmed.
5. Remove the new Hot Key. Is possible to create more copies by plugging other new Hot Key.

3.4 PROGRAMMING FROM PC TO HOT KEY

By using a PROG TOOL connected to a PC and the software WIZMATE is possible to create new Hot Key to match our requirements.



- Using WIZMATE create a parameter map with the desired values and copy it into PROG



TOOL by pushing **Programma Hotkey** button.

- Connect the PROG TOOL to the PC using an RS232 serial cable RS232 CAB/SW 9-9.
- Plug the HOT KEY to be programmed into "Hot-Key Copy" connector located on the front of the PROG TOOL.
- Push button "Copy" on the front of PROG TOOL; Led "copy" starts blinking.
- After few seconds Led "copy" stops blinking giving the result of the operation:
Led "copy" RED = error during the programming of the HOT KEY, repeat the operation and if needed replace the HOT KEY.
Led "copy" GREEN = operation successfully completed; the Hot Key has been correctly programmed
- Remove the new Hot Key.

NOTE: *is now possible to create other copies of the Hot Key by simply repeating the procedure from point 2 to 6*

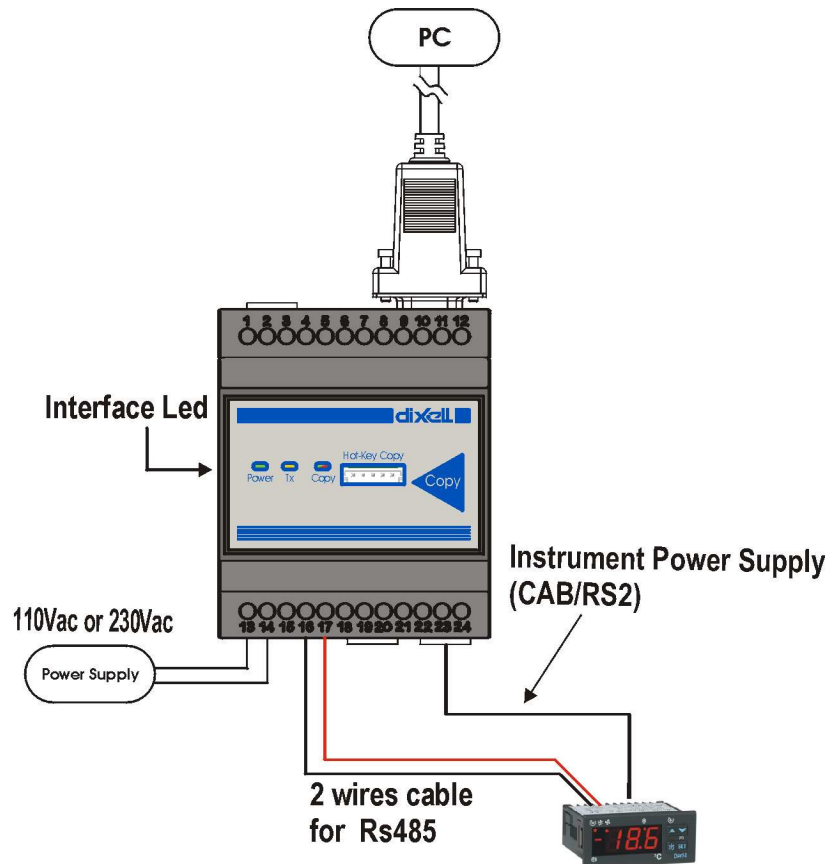
3.5 PROGRAMMING FROM PC TO CONTROLLER

The controller has to be connected to the PROG TOOL following one of the wiring diagrams in the next pages (it varies according to the presence or not of RS485 port on board the device) and it must be verified the compatibility (model and software version) with WIZMATE by looking to the table chap.4.4.

NOTE: *reading and/or writing of parameters is possible only with those controllers equipped with RS485 or TTL serial communication port. For the instruments not equipped with serial port*

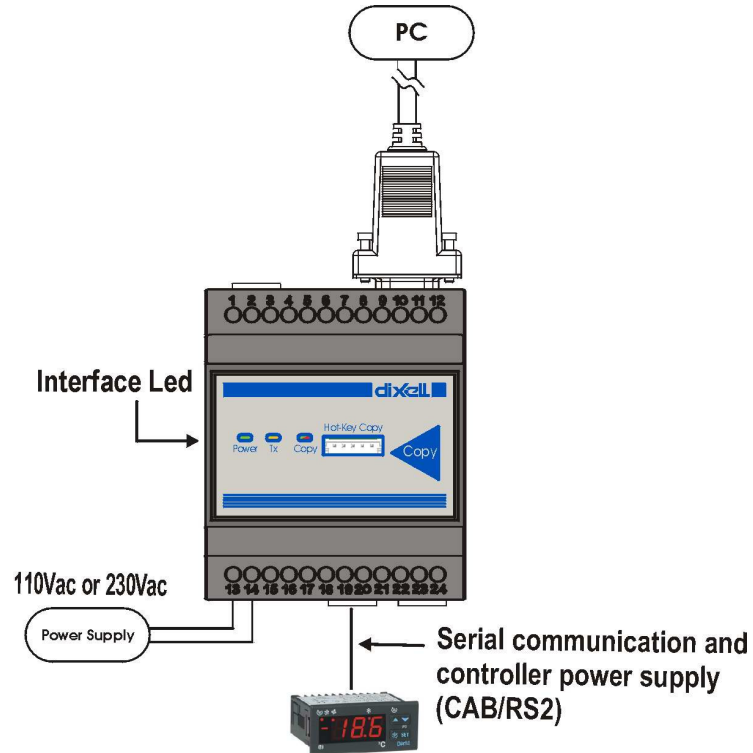
(PRIME series and WING BASIC series) only the creation of HOT KEY is allowed.

3.5.1 WIRING OF A CONTROLLER EQUIPPED WITH RS485 SERIAL COMMUNICATION PORT



1. Using a 2 wire cable connect controller RS485 to RS485 terminals of PROG TOOL (16 and 17) taking care to respect the + and – polarity
2. With the CAB/RS2 supplied with Wizmate Prog Tool Kit connect the “+5V Supply” terminal located on one side of PROG TOOL to TTL port of the controller. This grant the power Supply to the controller without any additional wiring being required.
3. Connect PROG TOOL to the PC by using an RS232 cable CAB/SW 9-9.
4. Now, by means of WIZMATE software is possible to check and modify the parameter map of the device.

3.5.2 WIRING OF A CONTROLLER WITHOUT BUILT- IN RS485



1. With the CAB/RS2 supplied with PROG TOOL KIT connect the “**TTL**” terminal located on one side of PROG TOOL to TTL (Hot Key) port of the controller. This grant to the controller both power supply and serial communication without any other wiring being necessary.
2. Connect the PROG TOOL to the PC using an RS232 cable CAB/SW 9-9.
3. Now, by means of WIZMATE software is possible to check and modify the parameter map of the device.

4 WIZMATE

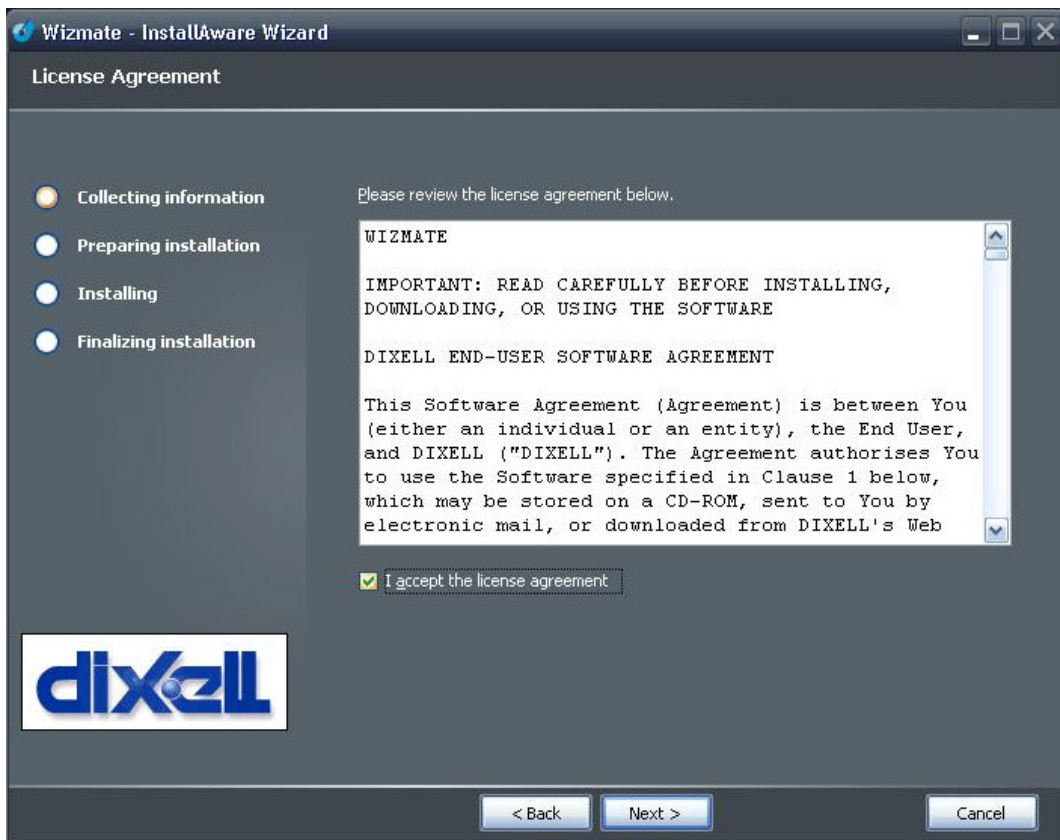
WIZMATE software, used in combination with the PROG TOOL, allows the managing of the parameter map of DIXELL controllers.

4.1 HOW TO INSTALL WIZMATE

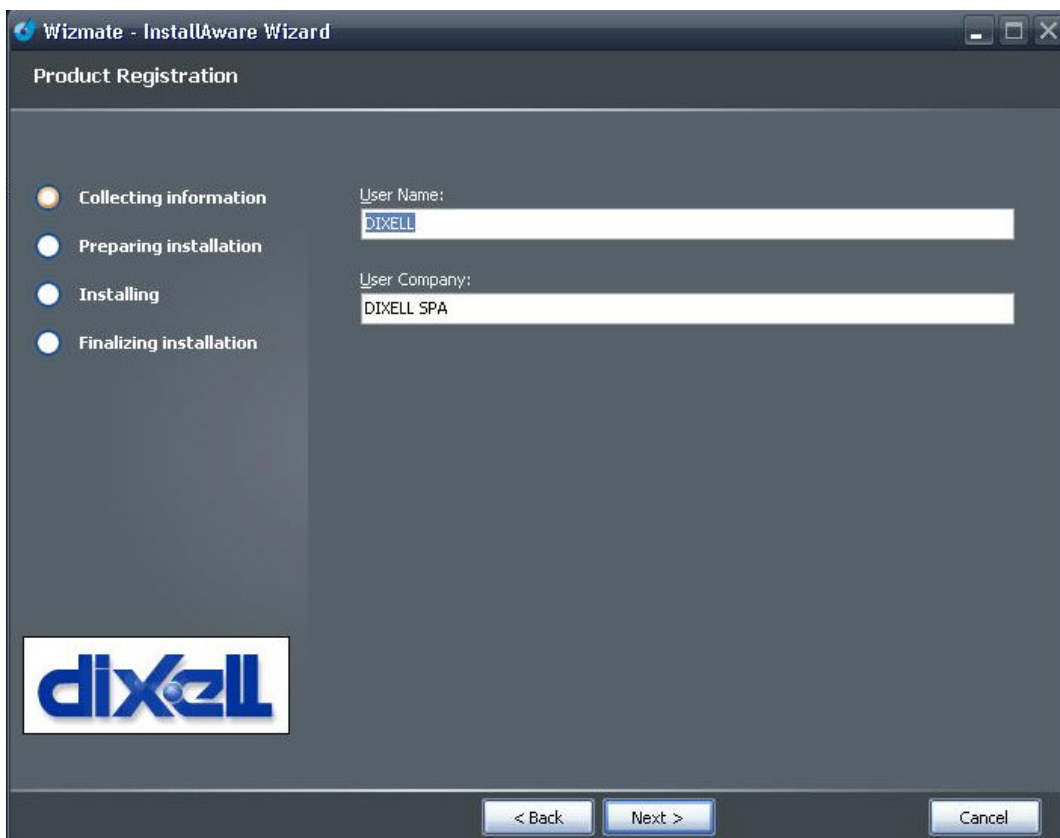
Insert the CD in the CD drive and click the “Wizmate.exe” file to start the guided process; press the “Next” button:



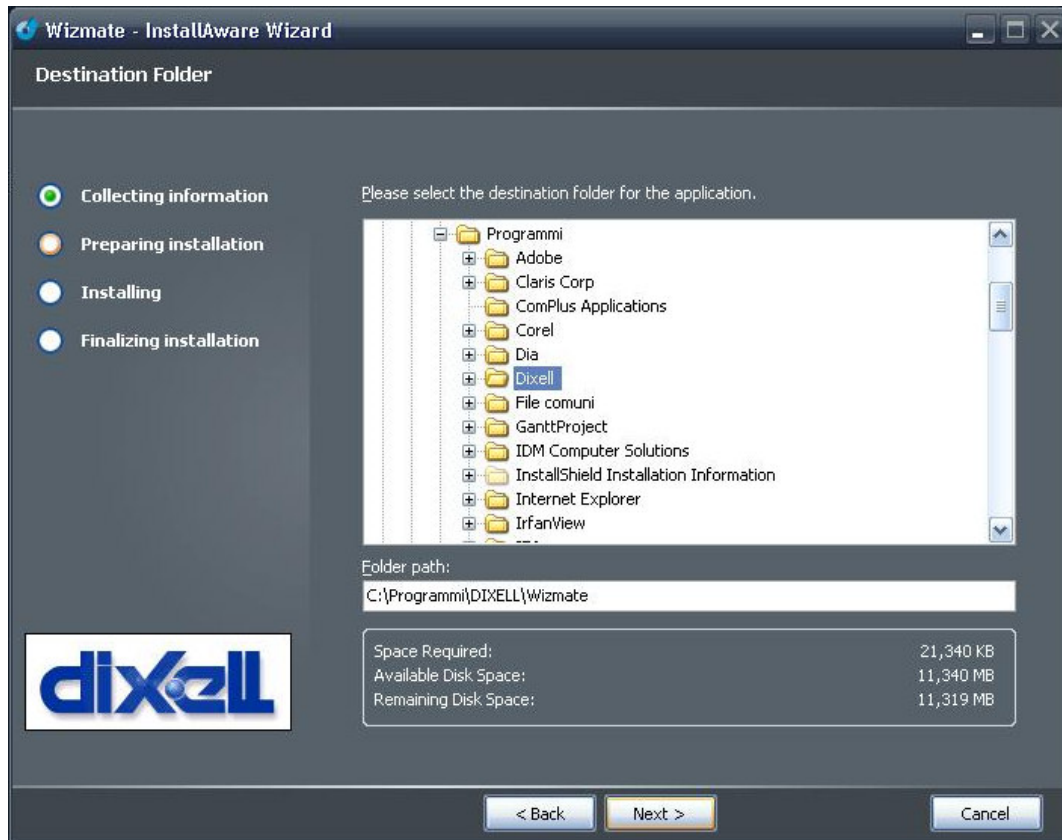
Accept the “Licence Agreement” and press the “Next” button to continue:



Enter “User name” and “Company name”, then press the “Next” button to continue:



Select the path where you want to install the Wizmate; default path is “C:\Programs\Dixell\Wizmate”; press the “Next” button:



Press the “Next” button:



To finish the installation press “Next” button.



To exit the installation press “Finish” button.



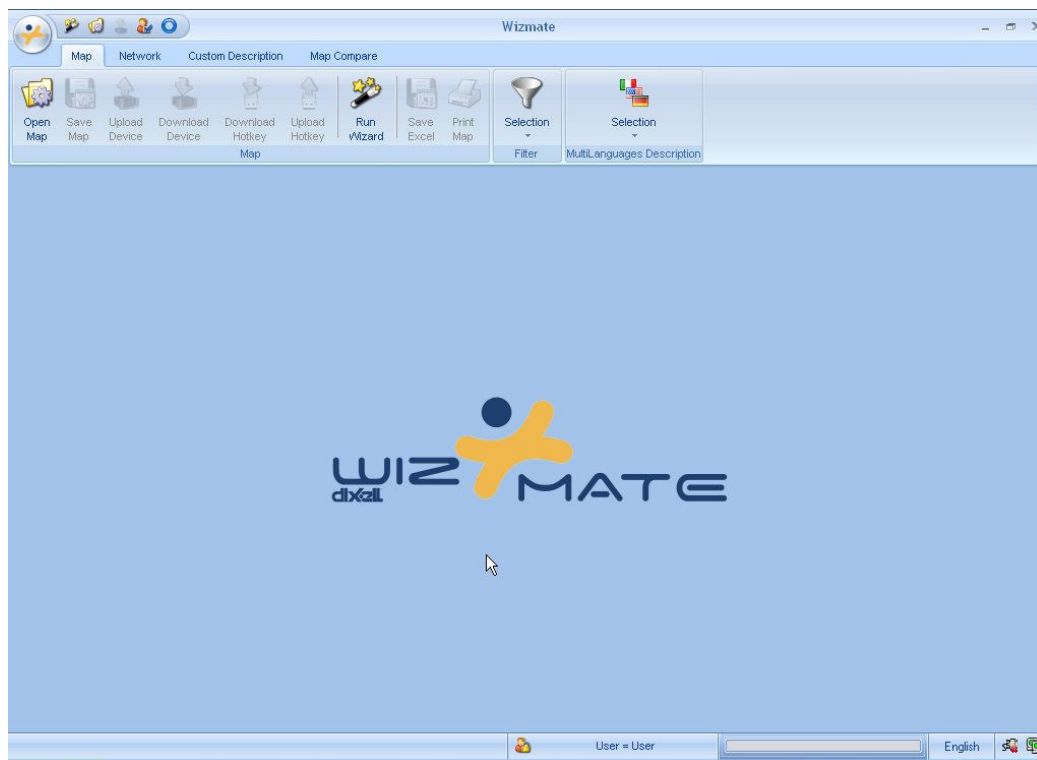
4.2 HOW TO USE WIZMATE

Whenever Wizmate is run, the following screen is displayed.

The default user is “**User**”; he can see only a small number of parameters (only level PR1). The password is: “**user**”.

Warning:

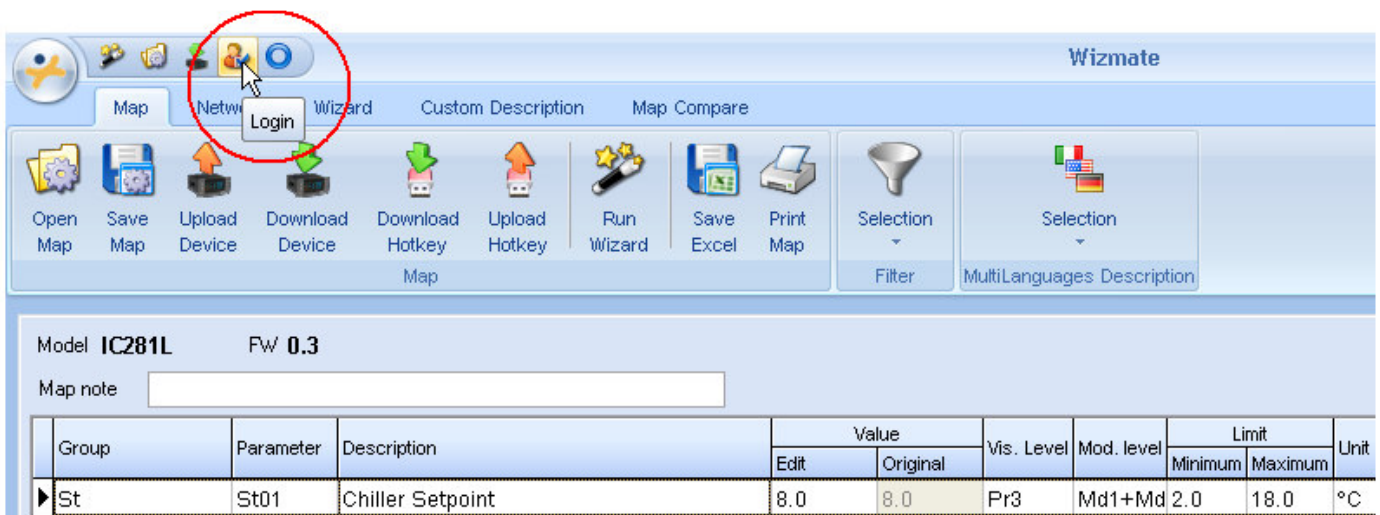
Whenever Wizmate is run, it performs the automatic recognition of instruments connected to the Prog Tool; if the instrument is connected to the Prog Tool after having started Wizmate or if you want to change the instrument, manually restart the network scan from the main menu "Network".



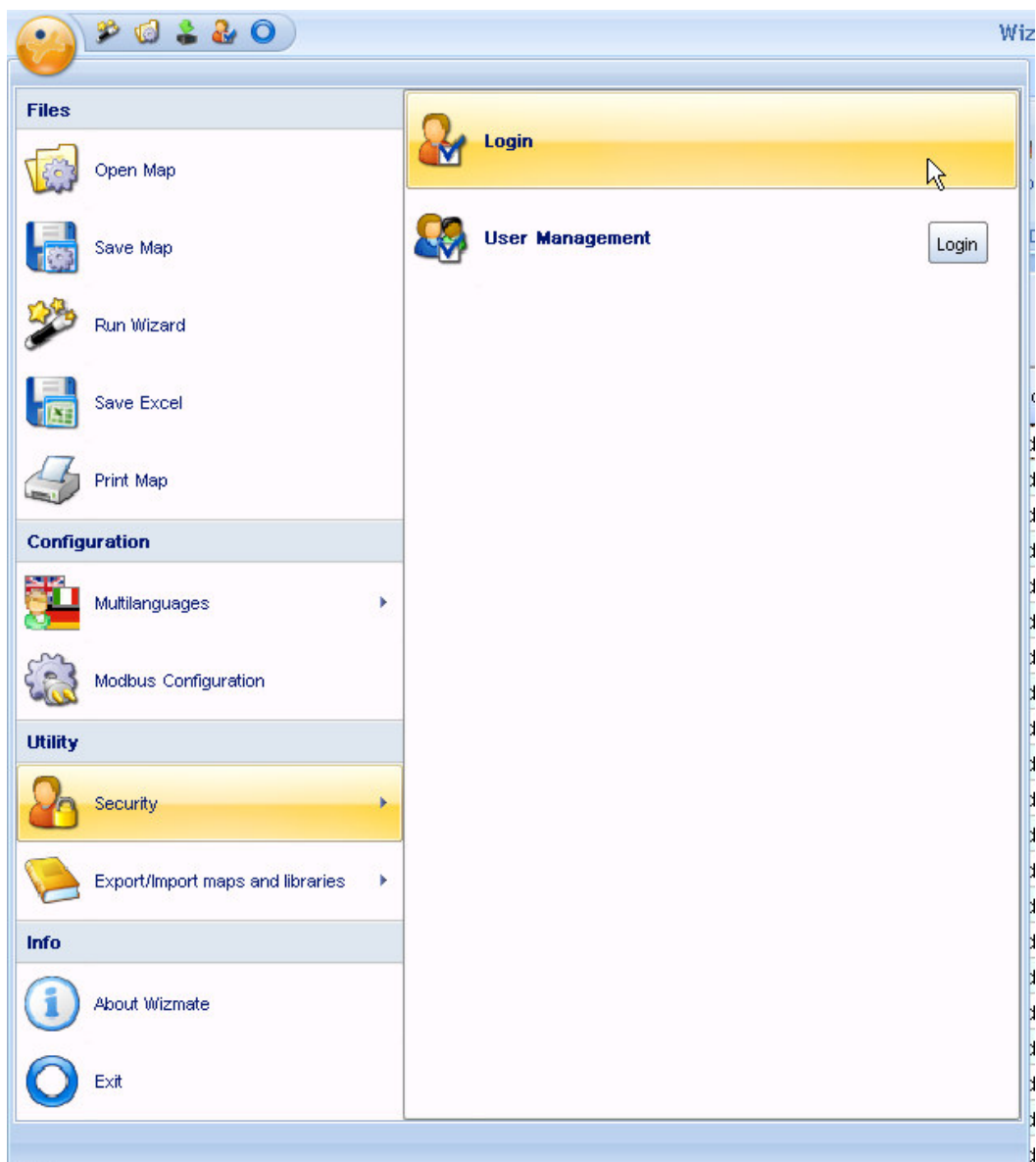
After having installed Wizmate, two users are managed:

- **User:** can see only a small number of parameters (only Pr1 level of visibility); he cannot use all functions of the program (is not possible to create wizard and to create new users). The password is: “**user**”
- **Administrator:** can see all the parameters (Pr1, Pr2 and Pr3 level of visibility); the “Administrator” can use all the functions of the program. The password is: “**admin**”

To access the program as “Administrator”, press the “Login” button:



or using the configuration menu (press the  button) and select “Security” menu:



Enter the user name "Administrator" and password "admin", then press "Login" button.



The screenshot shows a Windows-style dialog box titled "Login". The header area is blue and features a key icon on the left and the "dixell" logo on the right. Below the header, there are two text input fields. The first is labeled "User name" and contains the text "Administrator". The second is labeled "Password" and contains six asterisks "xxxxxx". At the bottom of the dialog, there are two buttons: "Login" on the left and "Cancel" on the right. A mouse cursor is positioned over the "Login" button.

4.3 CONFIGURATION

4.3.1 CONFIGURATION MENU

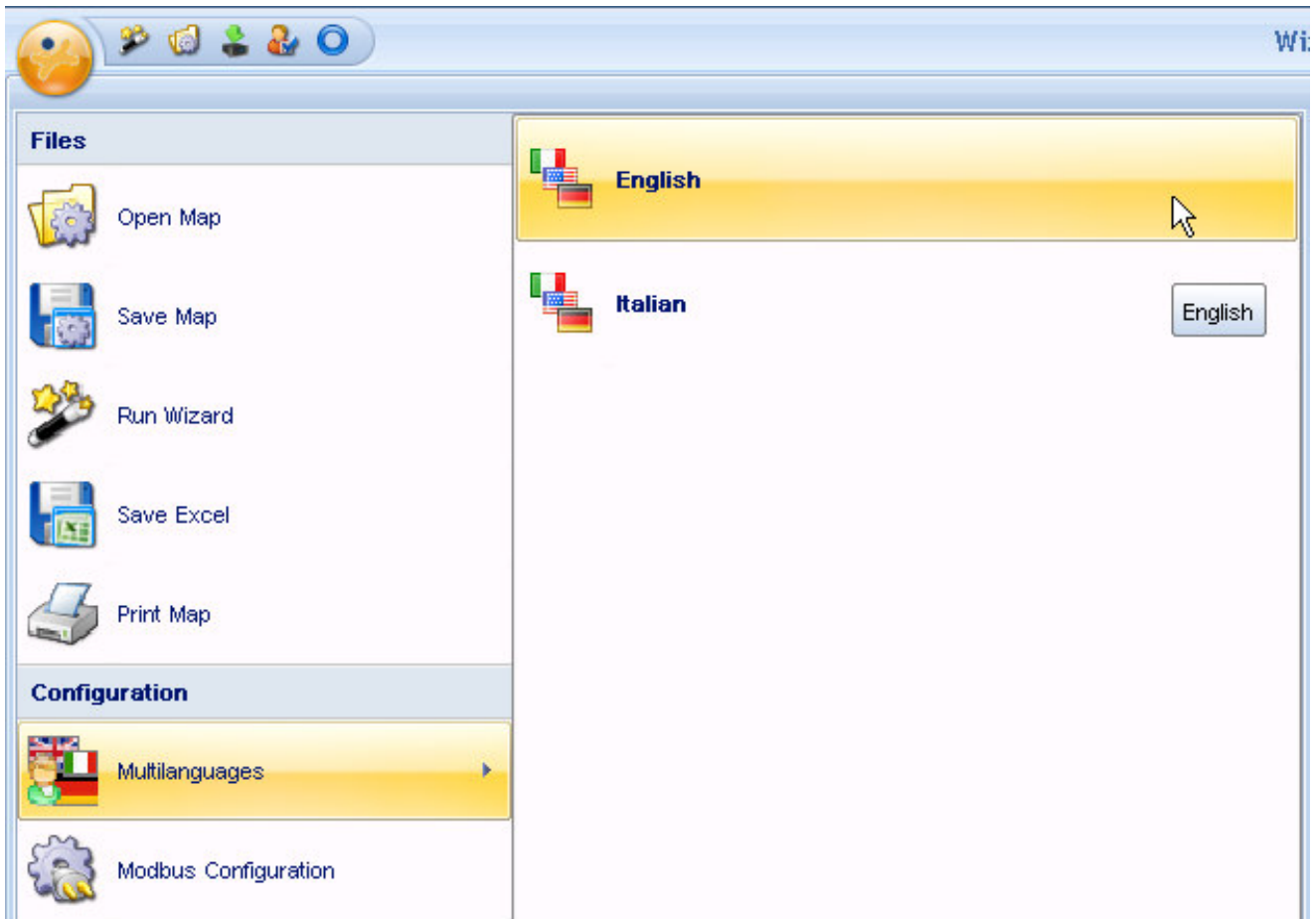


It is used to configure the language, the communication port (COM), etc.


4.3.2 LANGUAGE CONFIGURATION

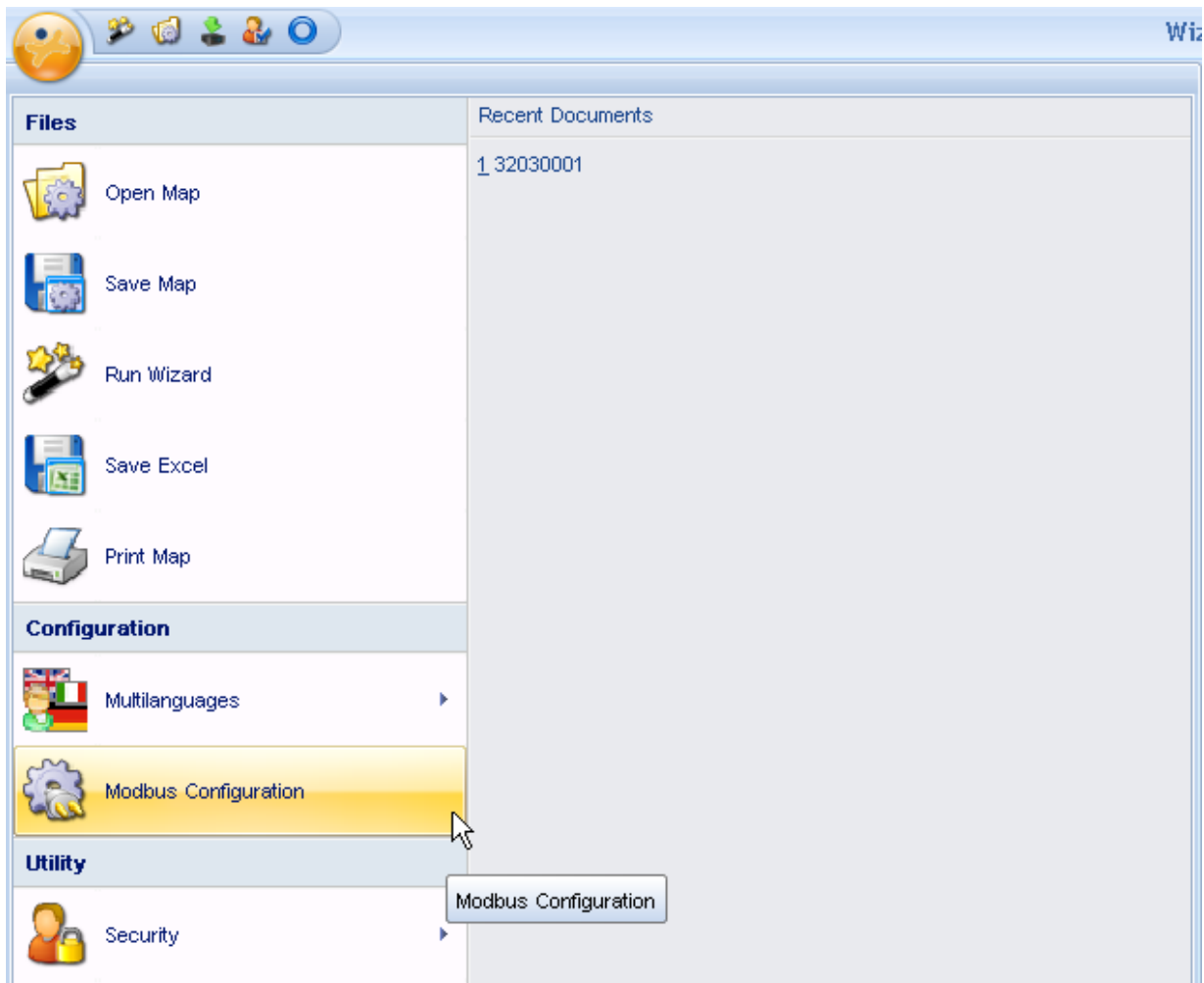


Press button, select “Multilanguages” menu and choose the language:



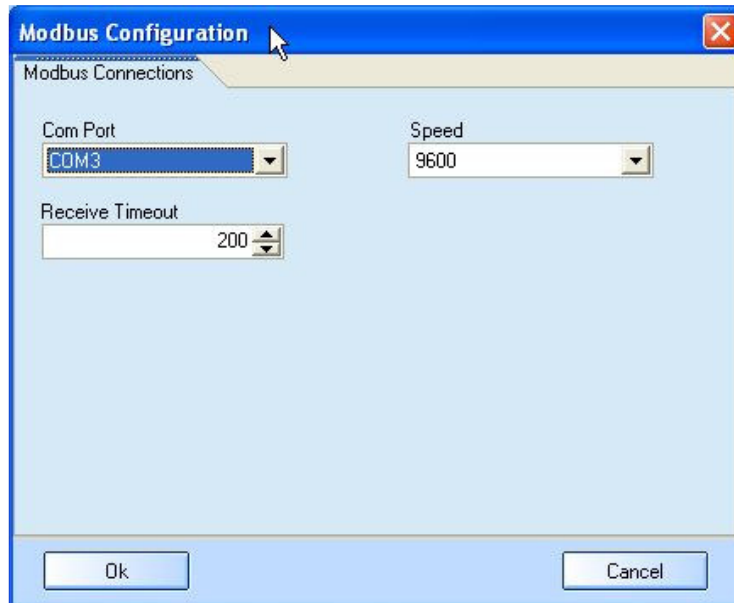
4.3.3 MODBUS CONFIGURATION

Press  button and select “Modbus Configuration” menu:



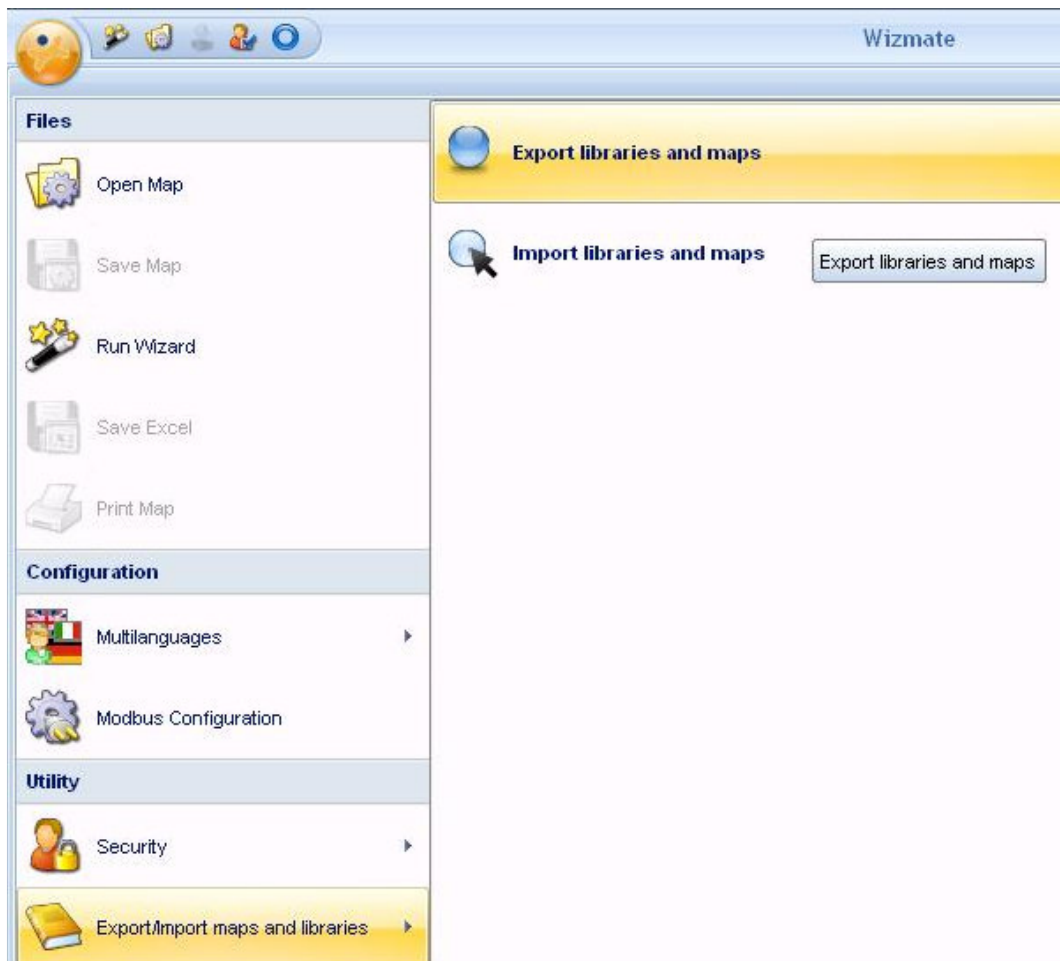
From the “Modbus configuration” box that is displayed, choose:

- COM: choose the serial port used to connect the Prog Tool
- Speed: select the baud rate of the device connected to the Prog Tool (typically 9600)
- Receive timeout: 200 is the standard value (contact Dixell Customer Service office in case of communication problem).

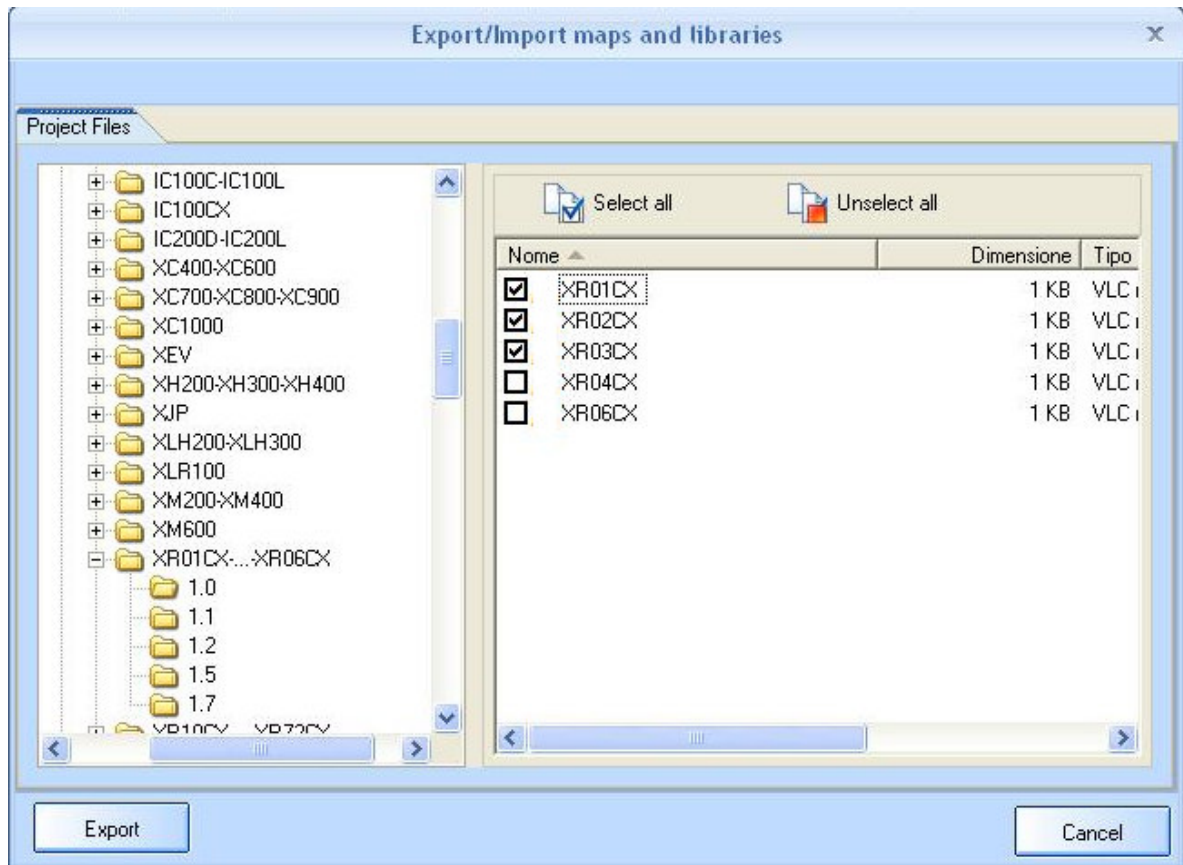


4.3.4 IMPORT/EXPORT MAPS AND LIBRARIES

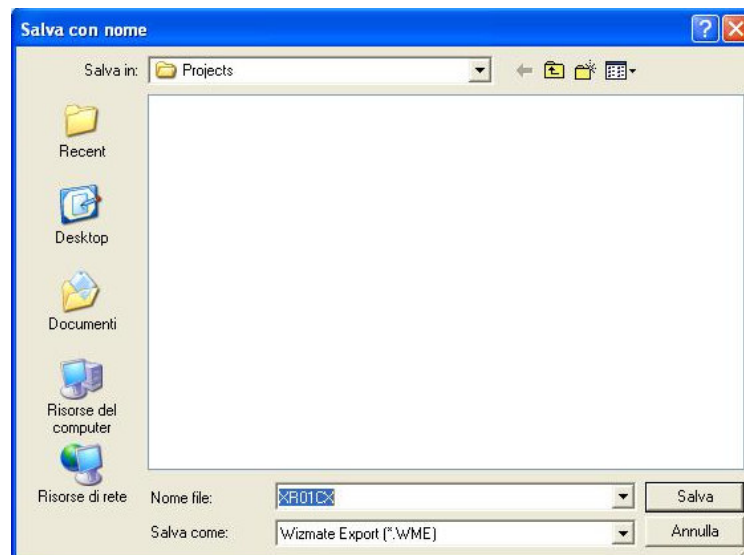
When an instrument is not included in the list of the models supported by Wizmate, is necessary to add the new library (contact the Dixell Customer Service department to verify the availability). “Export/Import libraries and maps” allows the user to import the new library or import new maps; select the command “Export/Import maps and libraries”, then select “Export libraries and maps”.



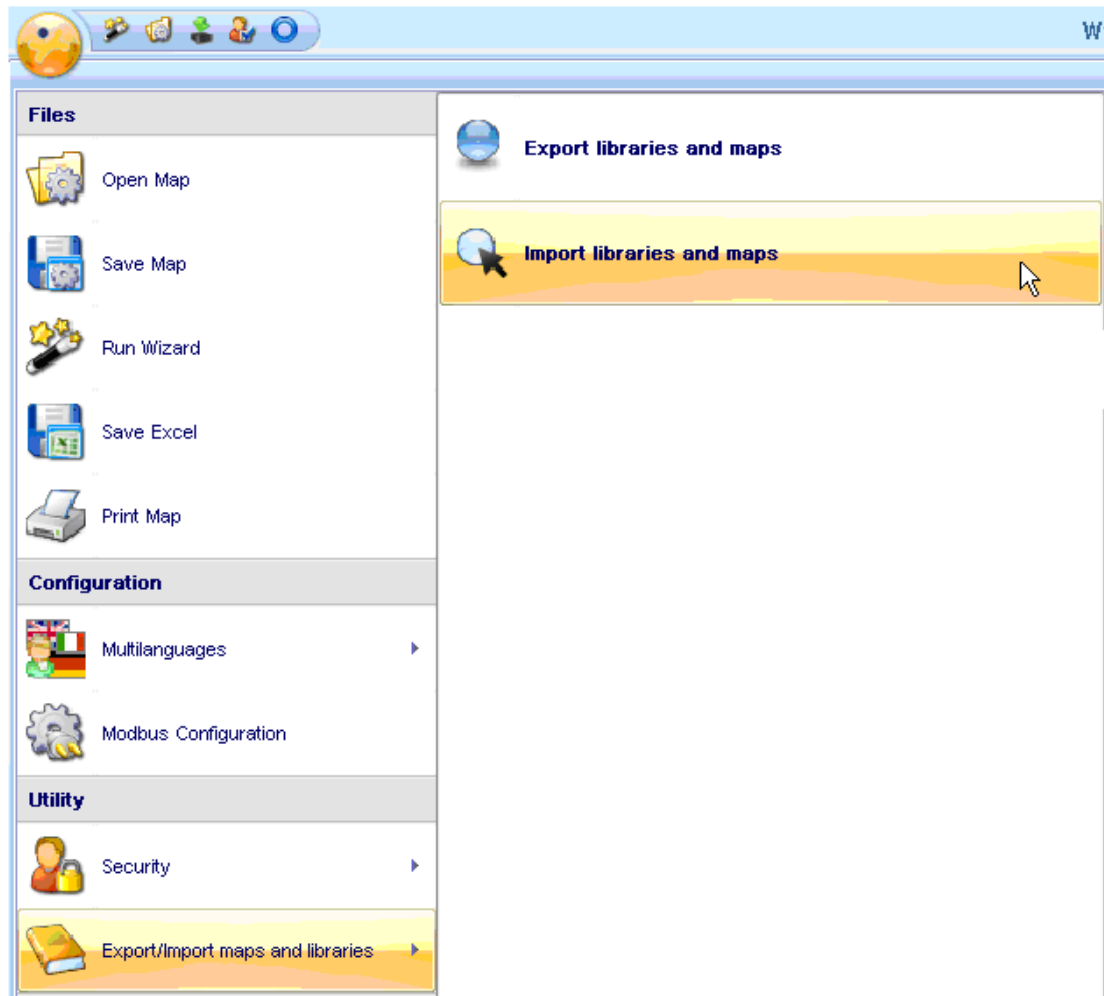
Search the maps to export, select them then press “Export” button:



Select the path to save the file and enter the name of the file:



To import the maps or libraries contained in a *.WME file, select the command “Export/Import maps and libraries”, then select “Import libraries and maps”:




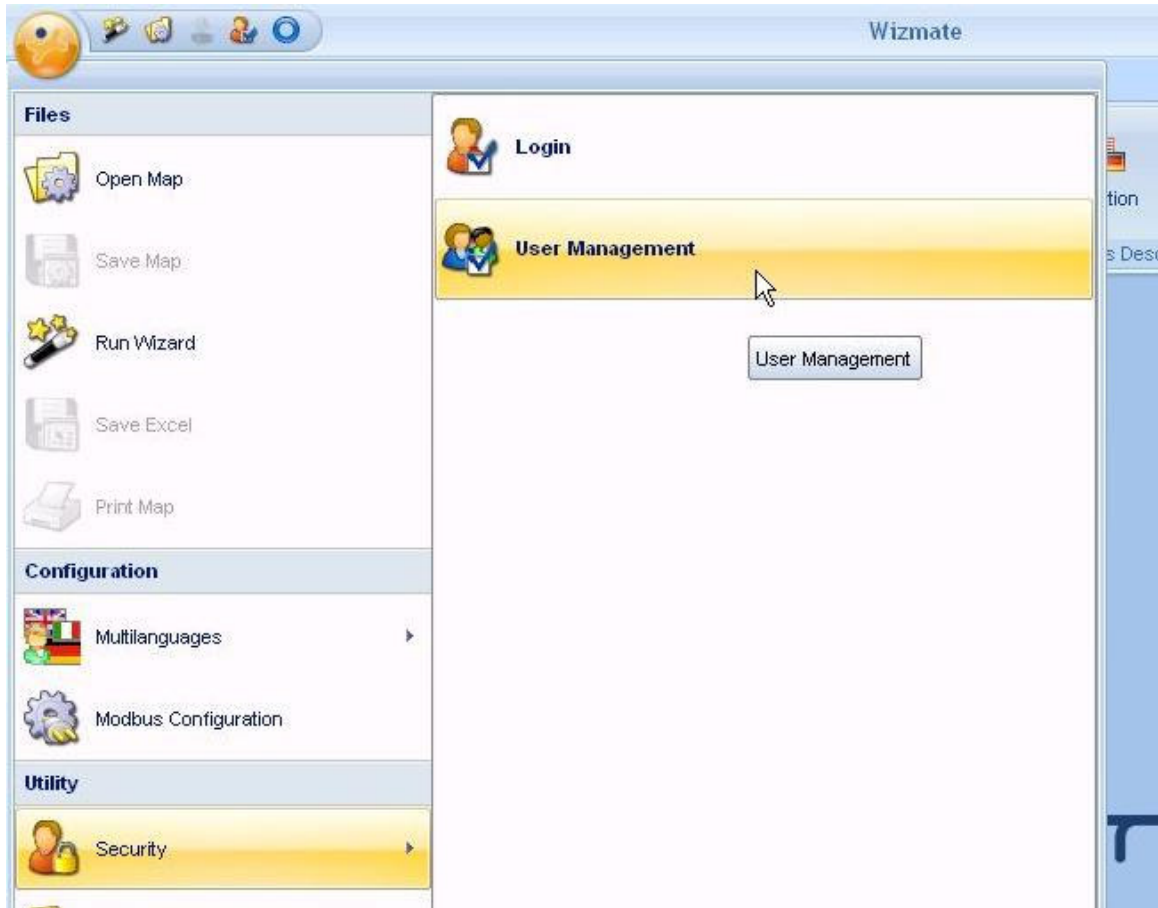
Search the path where the file is saved, then select “Open:

- If the *.WME file was generated starting from the maps contained in the folder “Maps” (folder contained in the directory of the WIZMATE installation), the maps will be automatically saved in the same directory
- If the *.WME file was generated starting from the maps contained in the custom folder (folder not contained in the directory of the WIZMATE installation), it is possible to choose where to save the maps

4.3.5 HOW TO CREATE A NEW USER

Only the “Administrator” user can create a new user.

Press  button, select “Security” and then “User management”:



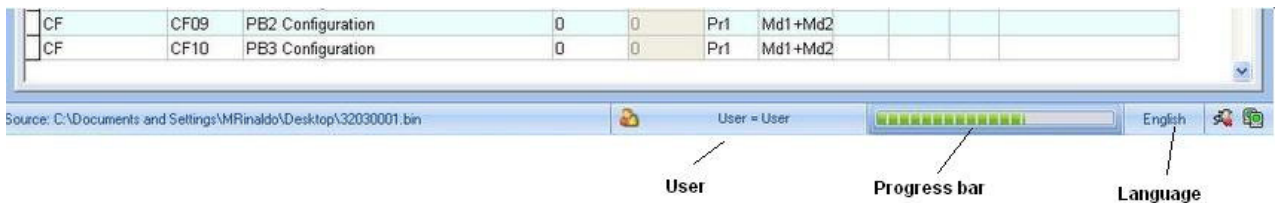
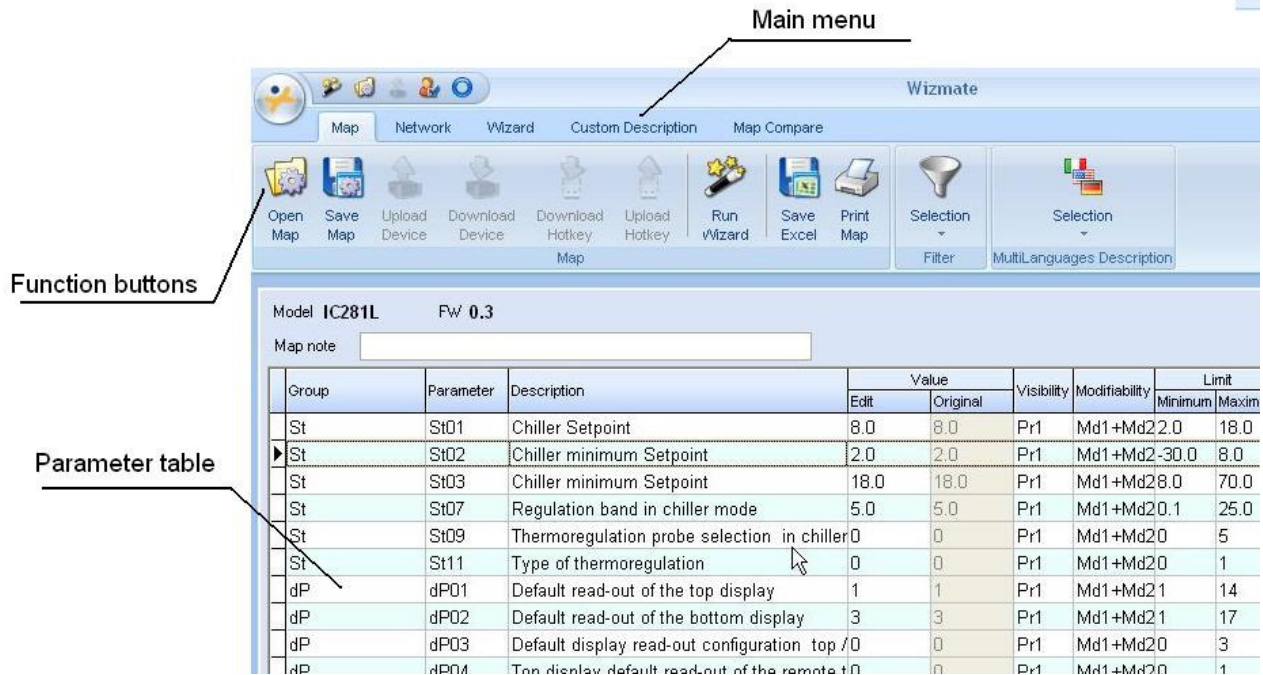
From the configuration menu, click “Security” → “User Management” to display the following window:

The screenshot shows a 'Security' dialog box with a blue title bar and a close button. On the left, there is a list of users: 'Administrator' (selected) and 'User'. On the right, there are input fields for 'User name' (Administrator), 'Password' (admin), and 'Confirm password' (admin). Below these are a 'Security Level' spinner set to 100 and a 'Visibility Level' dropdown set to Level 3. At the bottom, there are buttons for 'Add User', 'Delete User', 'Save User', 'Ok', and 'Cancel'.

A new user can be entered clicking “Add user”:

- enter the user name
- enter the password
- confirm the password
- enter the security level:
 - level 5= “user” level (it is not possible to generate wizard);
 - level 100= “administrator” right (it is possible to generate wizard)
- enter the maximum level of visibility of the parameters
- to confirm, click the “Ok” button

4.4 HOW TO USE WIZMATE



4.4.1 MAIN MENU: “MAP”



Click the “Open map” button to open a parameter map previously created and saved in the PC.

The default folder to save the parameter map is “Maps”, contained in the directory of Wizmate installation.



Click the “Save map” button to save the parameter map.

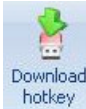


Click the “Upload device” button to read the parameter map of the controller connected to

the Prog Tool.



Click the “Download device” button to transfer the parameter map of the controller connected to the Prog Tool.



Click the “Download hotkey” button to transfer the map in the Prog Tool, then plug the empty HOT KEY in the “Hot-Key Copy” connector located on the front of the PROG TOOL and push the “Copy” button; led “copy” starts blinking.

After few seconds Led “copy” stops blinking giving the result of the operation:

Led “copy” RED = error during the programming of the HOT KEY, repeat the operation and if needed replace the HOT KEY.

Led “copy” GREEN = operation successfully completed; the Hot Key has been correctly programmed.

Remove the new Hot Key.

NOTE: is now possible to create other copies of the Hot Key by repeating the above procedure.



Plug the HOT KEY in the “Programmed Hot Key” connector located on the side of the PROG TOOL and push the “Copy” button; led “copy” starts blinking.

After few seconds Led “copy” stops blinking giving the result of the operation:

Led “copy” RED = error during the reading of the HOT KEY, repeat the operation and if needed replace the HOT KEY.

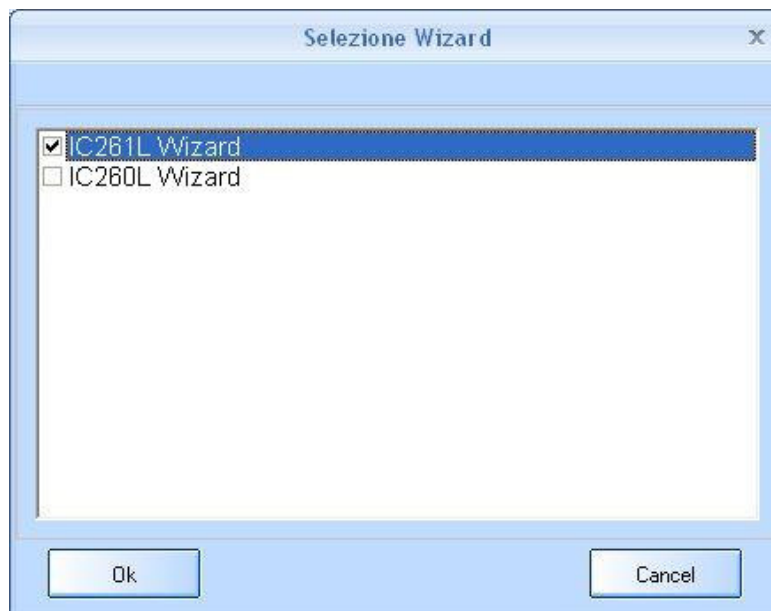
Led “copy” GREEN = operation successfully completed; the Hot Key has been correctly read.

Click the “Upload hotkey” button to read the map contained in the Hot Key.



Click the “Run wizard” button to run a wizard previously created.

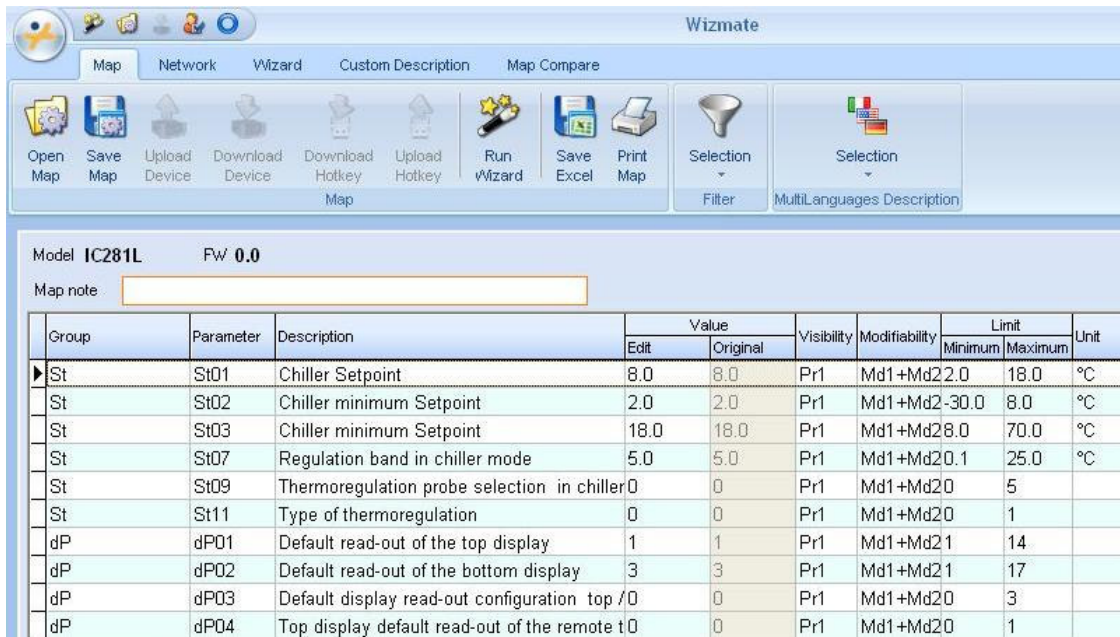
A new window allows the user to choose the wizard.



The following window shows an example of a wizard; using dialog boxes, the user is led through a series of steps to generate a simplified parameters map (parameters not involved with the application are hidden).



As showed in the following window, the application of the lchill 261L is for a chiller without heat pump; the parameters related to the heat pump are hidden (St04, St05,...).

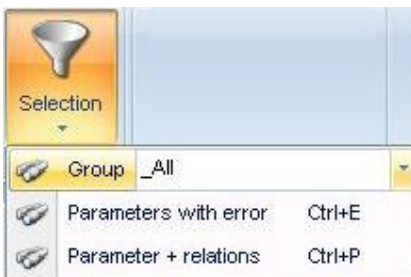



Click the “Save excel” button to save the parameter map in excel file.





Click the “Print map” button to print the parameter map.

Selection button:



- 
Group _All

From the “Selection” menu, select “Group” to visualize only the parameters involved in a specific function (configuration, defrost,...)
- 
Parameters with error Ctrl+E

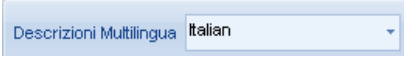

From the “Selection” menu select “Parameters with error” to visualize only the parameters that have some errors.
E.g. when the unit of measure of the temperature is changed, is possible that the conversion has made some errors on the value of the parameters (typically value over the maximum limit).
- 
Parameter + relations Ctrl+P

From the “Selection” menu select “Parameters + relations” to visualize the selected parameter (it is necessary to select it) and all the parameter

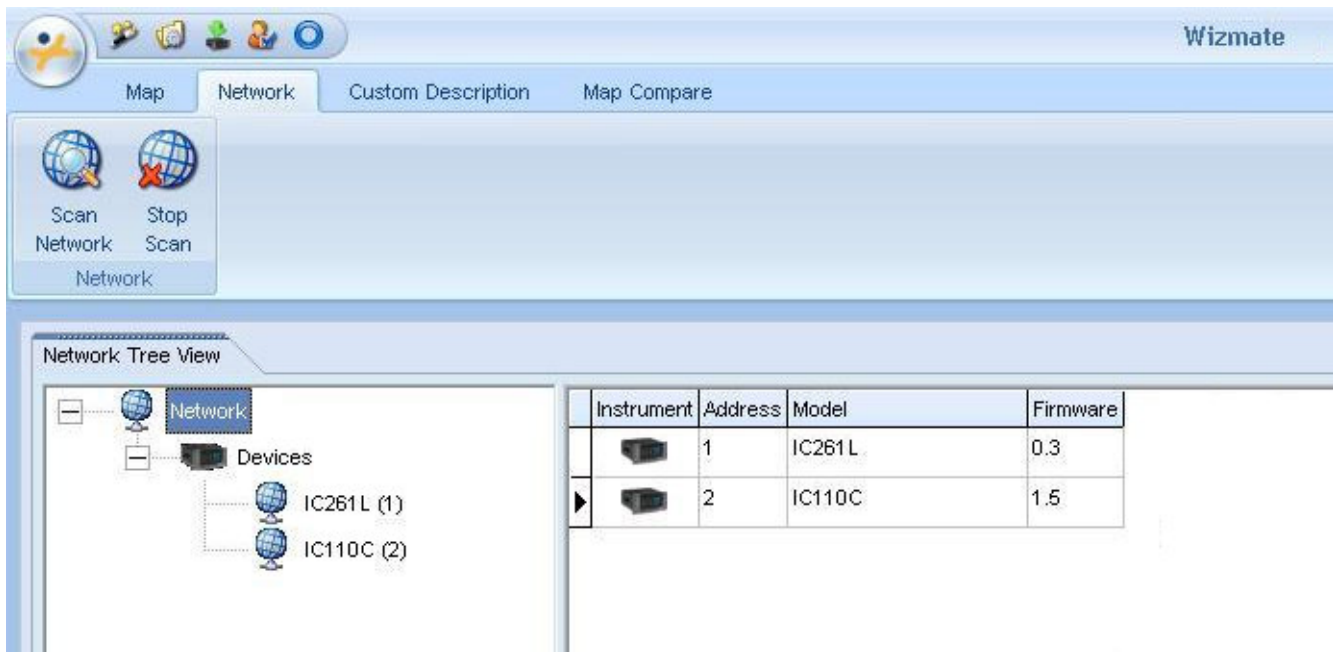
directly linked to the parameter (e.g. the set point and the maximum/minimum limit).




“Multilanguage Description” / “Custom Description”

- 
 From the “Selection” menu select “Multilanguage Description” to choose the language of the description of the parameters (typically Italian or English)
- 
 From the “Selection” menu select “Custom Description” to choose the custom description of the parameters. To personalize the parameter description and generate a new custom description see chap. 4.3.4. Whenever Wizmate is run, the description of the parameters is always the standard description.

4.4.2 MAIN MENU: “NETWORK”



The “Network” menu allows the user to verify the devices connected to the Prog Tool; for each instrument are showed the Modbus address, the name of the model, the firmware version.

Whenever Wizmate is started, the network scan starts automatically; if an instrument is connected to the Prog Tool after having started Wizmate, is necessary to click the  button to restart the network scan.

In case of communication problems, a message appears at the bottom of the window; please check all the connection (device ↔ Prog Tool, Prog Tool ↔ PC, Prog Tool power supply).



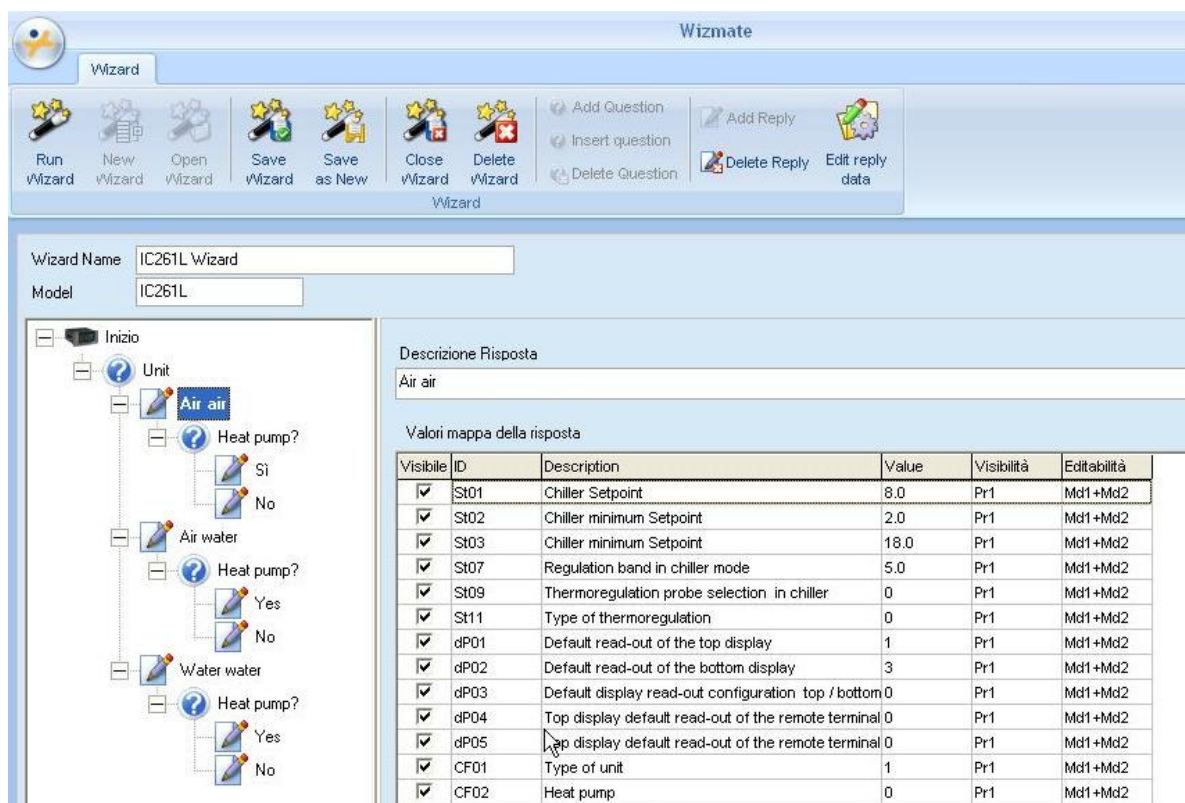
4.4.3 MAIN MENU: “WIZARD”

The Wizmate allows the user (only the “Administrator” user) to generate, modify and save a wizard.

Using dialog boxes, the user is led through a series of steps to generate a simplified parameters map (parameters not involved with the application are hidden).

During the wizard creation, for every answer the parameter map has to be configured modifying the value and the visibility of the parameters.

E.g. if the answer to the question “Defrost presence” is “No”, the parameter that enable the defrost has to be configured properly and all the parameters relating to this feature may be hidden.




4.4.3.1 HOW TO GENERATE THE WIZARD


To start generating a wizard for a specific device is necessary to open a map of the device from the main menu “Map”.

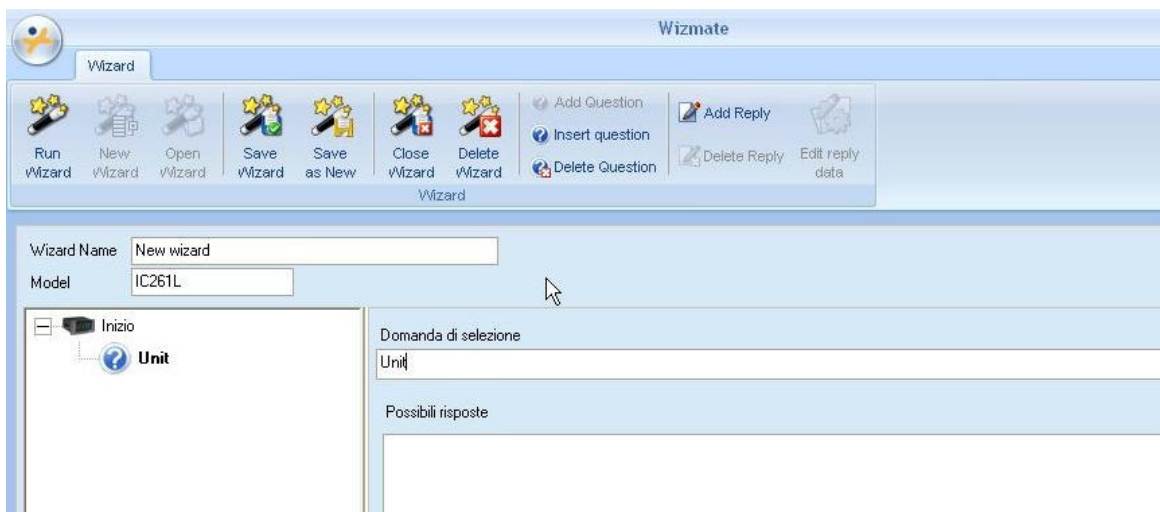
After having opened the map, click the “Wizard” button in the main menu.





- a) Click the  button to start creating the wizard; the following window is showed. Enter the name of the new wizard and the model of the device.

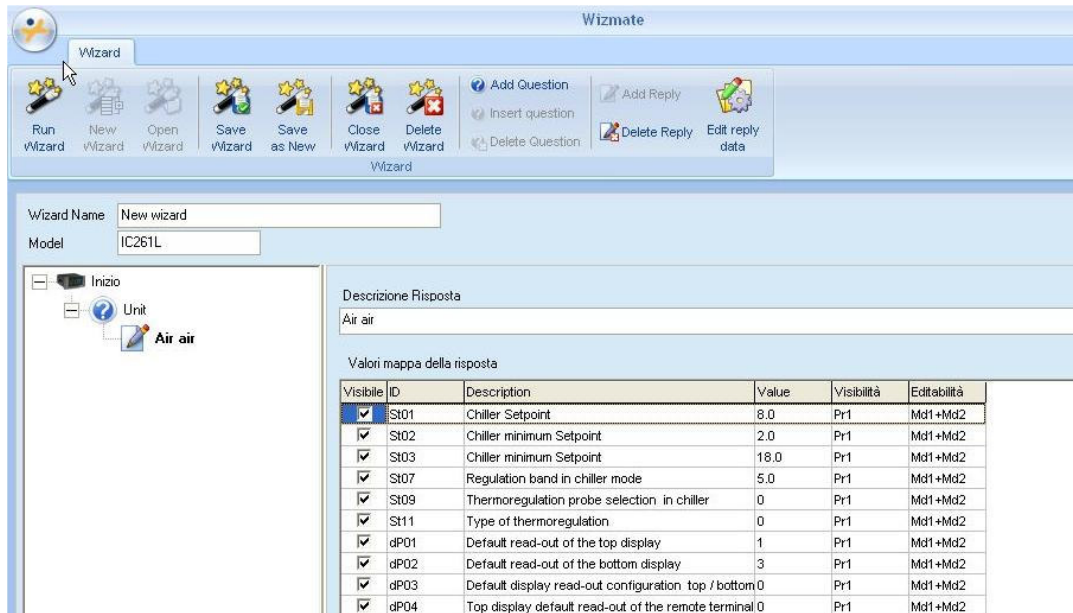



- b) Click the  **Add Question** button, enter the first question and press Enter key (by PC keyboard).

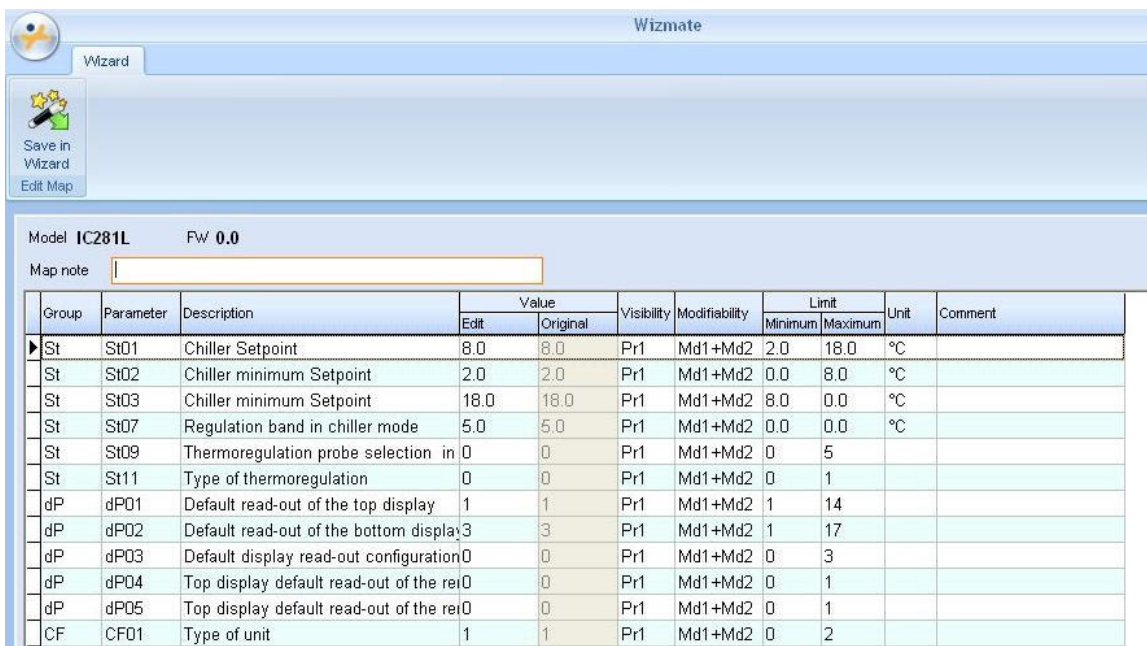





c) Click the  button, enter the first answer and press Enter key; click the  button to load the parameter map. From this window is only possible to change the visibility of each parameter.




d) To change the value of the parameter is necessary to click the  button. The figure below shows the parameter table; each parameter can be modified as needed.



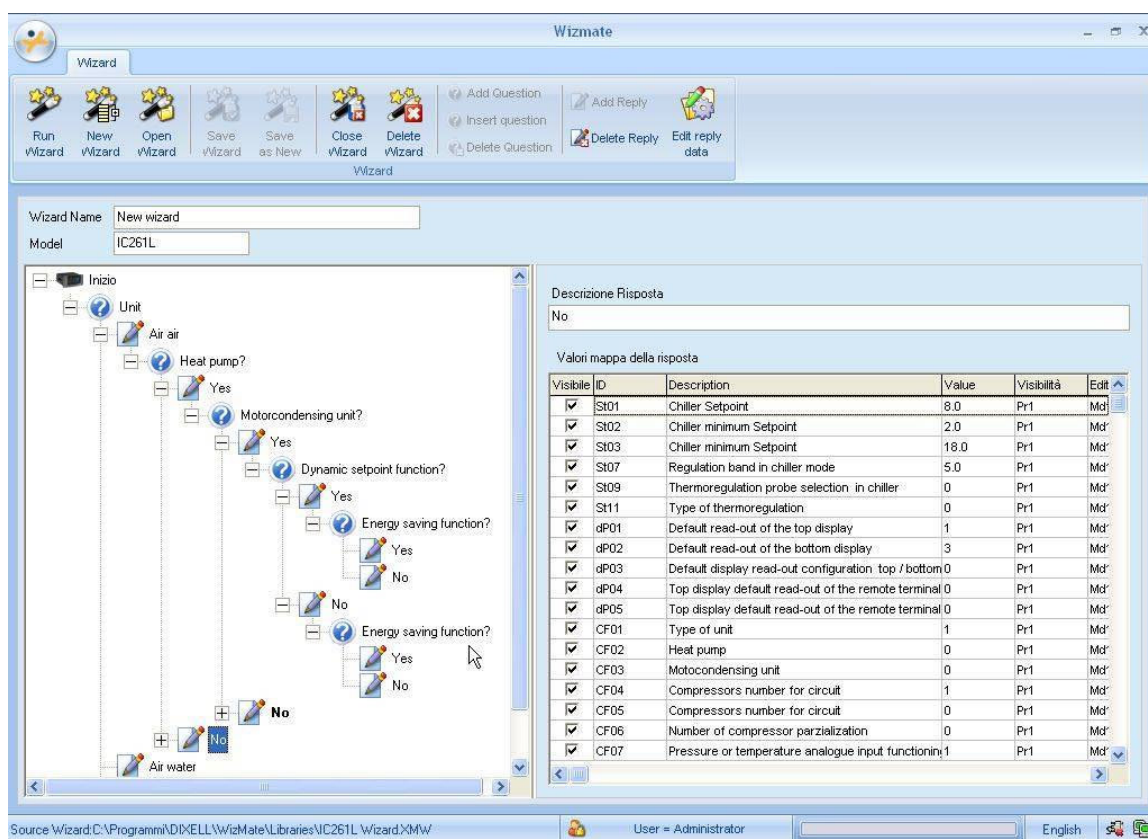


e) After having modified the parameters, click the  button. To add a new answer, select the first question with the mouse pointer (1 in the figure below) and then click the “Add replay” button (2 in the figure below).



f) Enter the new answer and press Enter key; click the  button to load the parameter map. Repeat the procedure described above (points d) and e)) to modify the parameter map.

g) To add new questions and answers, repeat the procedures described above; the window below shows an example of a complete wizard.



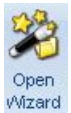
4.4.3.2 WIZARD COMMANDS



Click the “Run Wizard” button to start running a wizard.



Click the “New Wizard” button to start generating a new wizard.



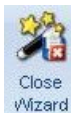
Click the “Open Wizard” button to open a wizard previously created.



Click the “Save Wizard” button to save the new or modified wizard.



Click the “Save as New” button to save an opened and modified wizard as new wizard; take care to change the wizard name in the field “Wizard name” before clicking “Save as New” button.



Click the “Close Wizard” button to close the wizard.



Click the “Delete Wizard” button to delete a wizard previously created.



Click the “Add Question” button to add a new question.



Click the “Insert Question” button to insert a new question between questions and answers already generated.



Click the “Delete Question” button to delete a question previously generated.



Click the “Add Reply” button to add a new answer.



Click the “Delete Reply” button to delete the selected answer.



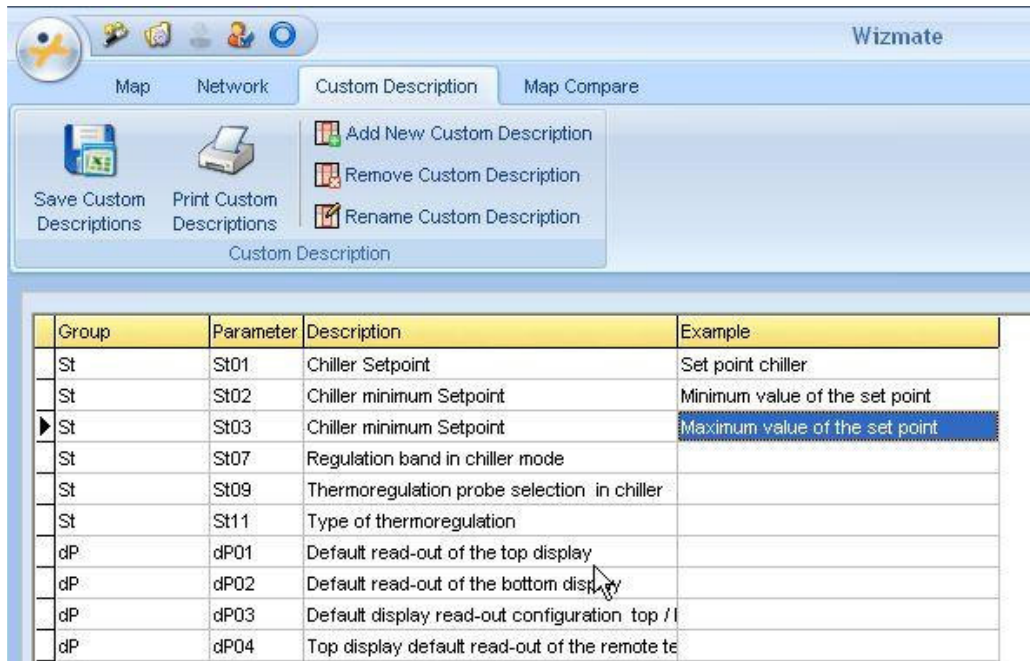
Click the “Edit replay data” button to visualize the parameter map and modify it.



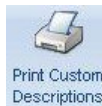
Click the “Save in Wizard” button to save the map and return to the window of wizmate generation.

4.4.4 MAIN MENU: “CUSTOM DESCRIPTION”

The “Custom description” menu allows the user to personalize the description of each parameter.



Click the “Save Custom Descriptions” button to save the new custom description column.



Click the “Print Custom Descriptions” button to print the custom description table.



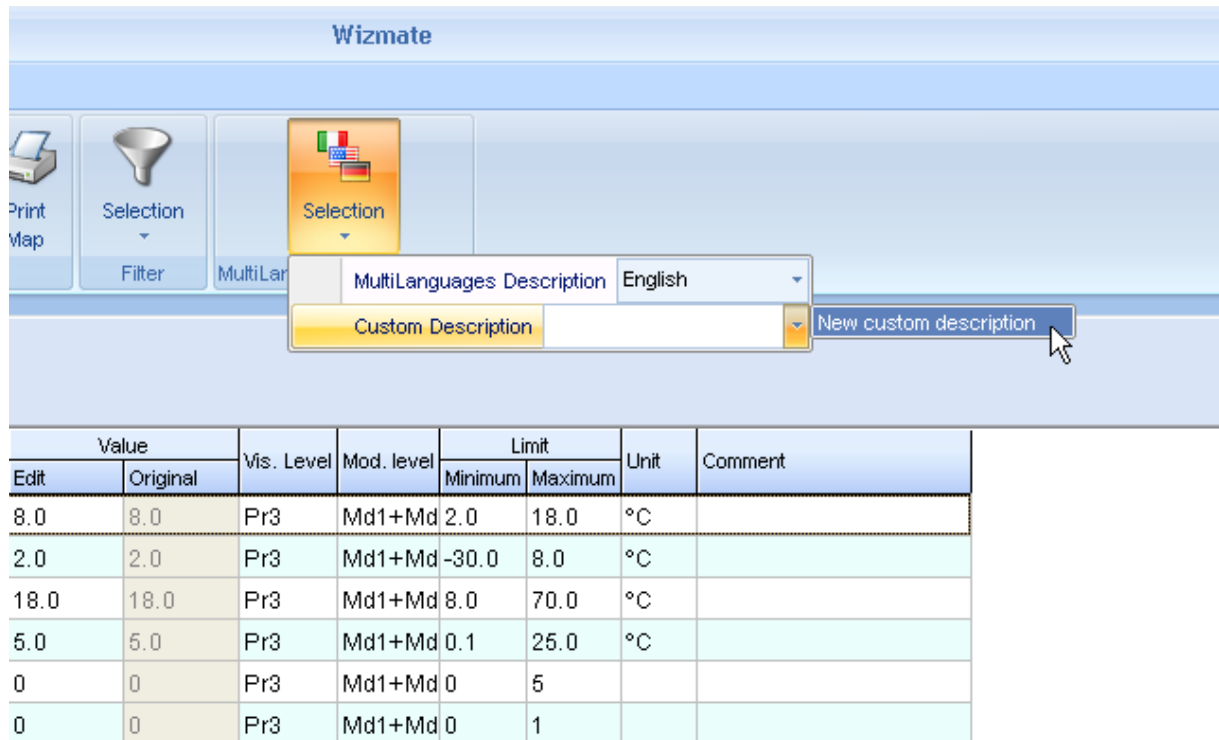
Click the “Add new Custom Description” button to add a new column with a custom description of the parameters.

It is possible to type the description for each parameter or only for some parameters; the parameters that doesn't have a custom description (cells not typed) are visualized with standard description.

Whenever Wizmate is run, the description of the parameter is always the standard description.

To recall a custom description:

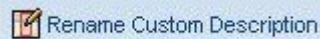
from the Main menu “Map” → Selection → Custom description → name of the custom description.



Edit	Value		Vis. Level	Mod. level	Limit		Unit	Comment
	Original				Minimum	Maximum		
	8.0	8.0	Pr3	Md1+Md	2.0	18.0	°C	
	2.0	2.0	Pr3	Md1+Md	-30.0	8.0	°C	
	18.0	18.0	Pr3	Md1+Md	8.0	70.0	°C	
	5.0	5.0	Pr3	Md1+Md	0.1	25.0	°C	
	0	0	Pr3	Md1+Md	0	5		
	0	0	Pr3	Md1+Md	0	1		

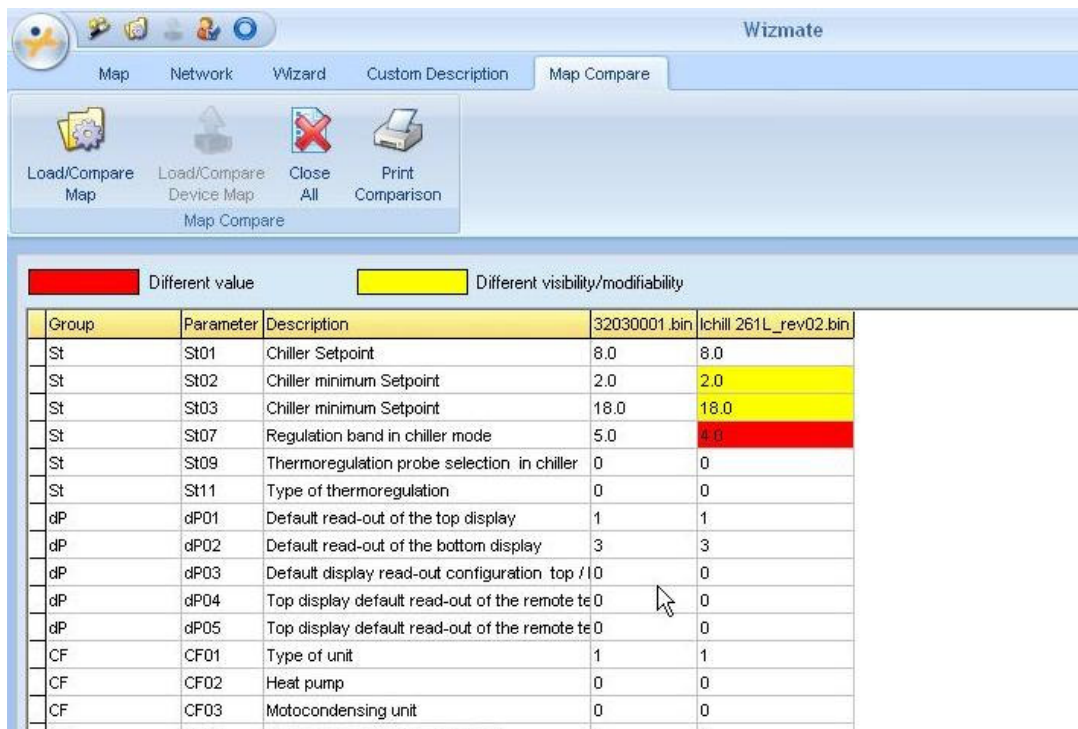


After having selected a cell of the custom description, click the “Remove Custom Description” button to remove it.



Click the “Rename Custom Description” button to rename the column of the custom description.

4.4.5 MAIN MENU: “MAP COMPARE”



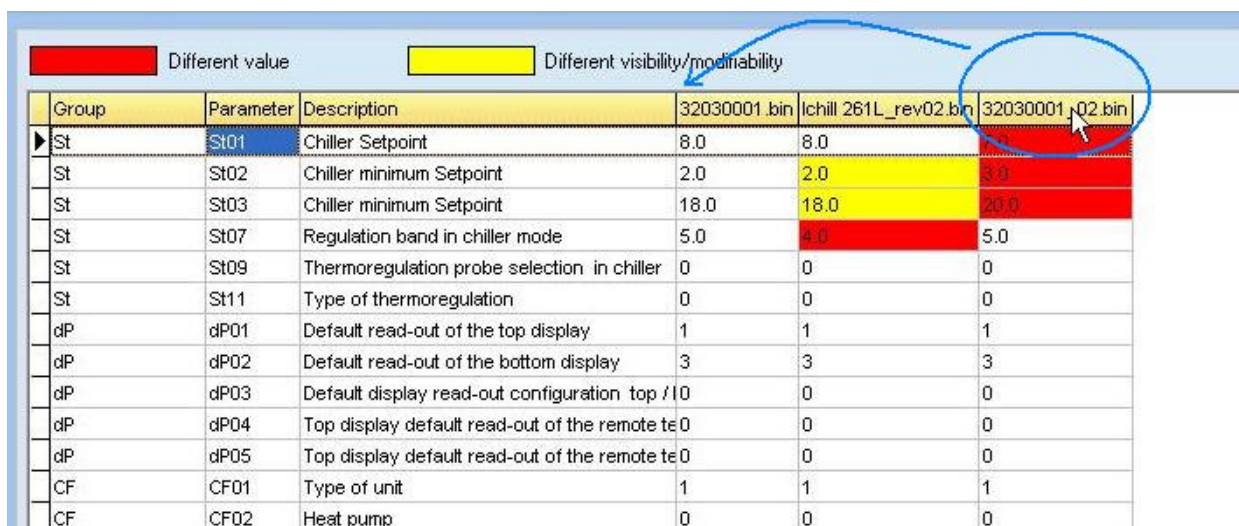
Wizmate allows the user to compare some maps and highlight the differences (red = different value, yellow = different visibility / changeability).

It is possible to compare:

- maps previously created and saved in the PC
- maps previously created and saved in the PC and the map contained in the instrument connected to the ProgTool

The first map to be opened is the reference map; it is possible to change the order of the maps, then change the reference map.

Drag and drop the new reference map.





Click the “Load/Compare Map” button to select the maps to compare.



Click the “Load/Compare Device Map” button to load the map contained in the device connected to the Prog Tool.



Click the “Close All” button to close the comparison.



Click the “Print comparison” button to print the comparison. The printing comparison will be done in black and white; it is not possible to highlight the parameters that have different value or visibility.

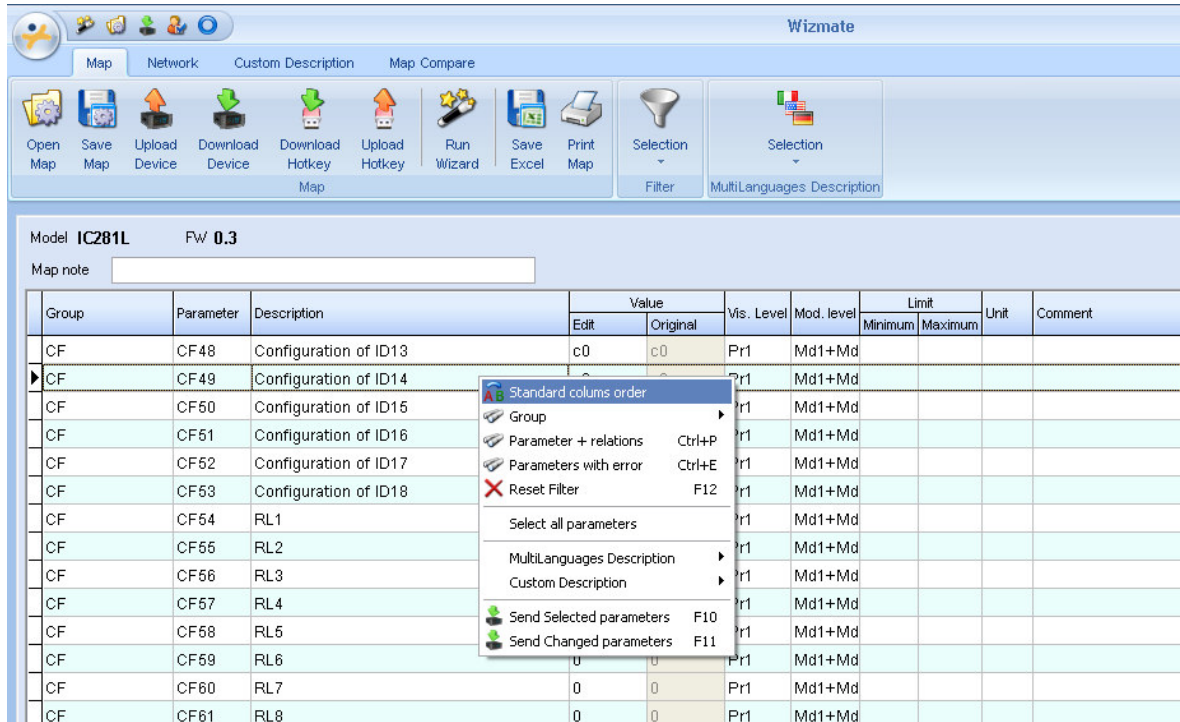
From the window of the maps comparison click the right mouse button; the following commands are available:


- “Remove map’s column”: allows to eliminate a map from the comparison
- “Group”: allows to visualize only the parameters involved in a specific function (CF, dF, etc).
- “Filter by difference”: allows to visualize only the parameters with different value or visibility
- “Reset filter”: allows to reset the “Filter by difference” command

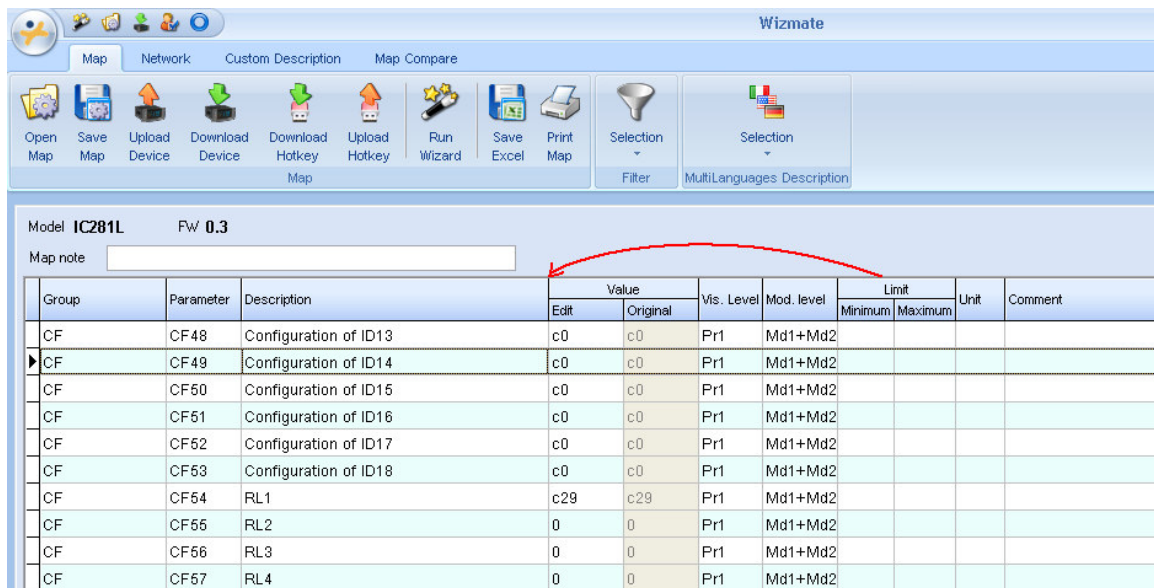
Group	Parameter	Description	32030001.bin	32030001_10.bin
CF	CF18	Offset PB1	0.0	n.n
CF	CF19	Offset PB2	0.0	n.n
CF	CF20	Offset PB3	0.0	n.n
CF	CF21	Offset PB4	0.0	n.n
CF	CF22	Offset PB5	0.0	n.n
CF	CF23	Offset PB6	0.0	n.n
CF	CF24	Offset PB7	0.0	0.0
CF	CF25	Offset PB8	0.0	0.0
CF	CF26	Offset PB9	0.0	0.0
CF	CF27	Offset PB10	0.0	0.0
CF	CF28	Pressure value at 4mA or 0.5 Vdc of the PB	0.0	0.0
CF	CF29	Pressure value at 20mA or 5 Vdc of the PB3	30.0	30.0
CF	CF30	Pressure value at 4mA or 0.5 Vdc of the PB	0.0	0.0
CF	CF31	Pressure value at 20mA or 5 Vdc of the PB4	30.0	30.0
CF	CF32	Pressure value at 4mA or 0.5 Vdc of the PB	0.0	n.n

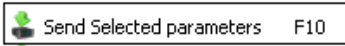


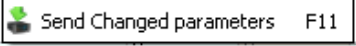
4.5 Other commands

Clicking the right mouse button during a parameter map visualization, some commands are available (not available directly by button icon).



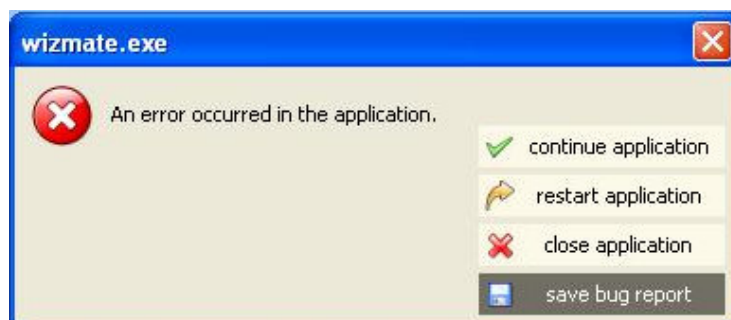
- : the position of the column can be modified as needed (drag and drop command); to return to the standard position of the column click the “Standard column order” button.



-  F10 Allows to send to the controller only the selected parameters. Below is the description of how to select some parameters:
- Group of adjoining parameters: select with the mouse pointer the first and last parameter holding down the  key
- Parameters: select with the mouse pointer the parameters holding down the  key
-  F11 Allows to send only the parameters that have changed (displayed in green)

4.6 Error message

When the Wizmate shows the message below, click the “save bug report” to create a file that helps Dixell to analyze and solve the problem; the report can be sent to Dixell Customer Service. Select one of the options to continue to use, to restart or exit the application.



4.7 List of devices compatible with WIZMATE

Visit the Dixell Web site or contact the Customer Service office to verify the availability of new instruments compatible with Wizmate.

<i>Family</i>	<i>FW Version</i>	<i>Model</i>	
IC100C/L	1.5 (Fam. 23)	IC110C	
		IC111C	
		IC120C	
		IC121C	
		IC120L	
		IC121L	
	3.0 (Fam. 23)	IC110C	
		IC111C	
		IC120C	
		IC121C	
		IC120L	
		IC121L	
IC100CX	1.0 (Fam. 51)	IC111CX IC120CX IC121CX	
IC200L/D	0.3 (Fam. 32)	IC260L IC261L IC260D IC261D	
XC	440D 460D 650C	440C 2.1 (Fam. 03)	XG440C XC440D XC460D

<i>Family</i>		<i>FW Version</i>	<i>Model</i>
XC	700M 800M 900M	1.4 (Fam. 15)	XC706M
			XC807M
XC1000		1.2 (Fam. 46)	XC811M
			XC907M
			XC1008D XC1011D
XE22D		0.5	XE22D
XE11D/12D		0.4 (Fam. 40)	XE11D XE12D
XJP	30D 60D	1.4 (Fam. 14)	XJP30D XJP60D
	40D PT100	2.0 (Fam. 14)	XJP40D PT100
XLR130/170		4.5 (Fam. 16)	XLR130 XLR170

<i>Family</i>	<i>FW version</i>	<i>Model</i>
XM400	0.2	XM440K
		XM460K
		XM463K
		XM470K
	0.3	XM463K
	0.7	XM464K
	1.0	XM244L
	1.2	XM466K DR
	1.4	XM470K ISA
	1.5 (Fam. 18)	XM464K CLABO
XM600	1.3 (Fam. 50)	XM670K
		XM679K
XR01CX/30CX	1.7 (Fam. 44)	XR01CX
		XR30CX
	1.0 (Fam. 47)	XR01CX
		XR02CX
		XR03CX
XR01CX/06CX		XR04CX
		XR06CX
		XR02CX
	1.1	XR02CX
	1.2	XR02CX
XR02CX	1.5 (Fam. 47)	XR02CX

<i>Family</i>	<i>FW version</i>	<i>Model</i>
XR10CX/70CX	1.0 (Fam. 44)	XR10CX
		XR20CX
		XR30CX
		XR40CX
		XR50CX
		XR60CX
		XR64CX
		XR70CX
		XR71CX
		XR72CX
XR110/570	2.0 (Fam. 16)	XR110C
		XR120C
		XR130C/D
		XR140C/D
		XR150C/D
		XR160C/D
		XR170C/D
		XR530C
		XR570C
XR100/500	2.1 (Fam. 16)	XR160C
		XR170D
		XR570C
		XR570D

<i>Family</i>	<i>FW version</i>	<i>Model</i>	<i>Model</i>
XR160C/170C	5.3 (Fam. 16)	XR160C	
		XR170C	
XR570D	8.2 (Fam. 16)	XR570D	
XV 10/60	2.0 (Fam. 16)	XW10L/W	
		XW20L/W	
		XW40L/W	
		XW60L/W	
XW20L/70L	1.8 (Fam. 44)	XW20L	
		XW40L	
		XW60L	
		XW70L	
XW 220/570	1.5 (Fam. 16)	XW220L	XW220K
		XW230L	XW230K
		XW260L	XW260K
		XW263L	XW264K
		XW264L	XW270K
		XW270L	XW271K
		XW271L	XW272K
		XW563L	XW570K
XW60L	7.4 (Fam. 16)	XW60L	
XW62K	1.1 (Fam. 44)	XW62K	

<i>Family</i>	<i>FW version</i>	<i>Model</i>
XW220K	6.9 (Fam. 16)	XW220K
XW220K	7.5 (Fam. 16)	XW220K
XH 240/460	1.0 1.1 1.2 1.7 (Fam. 26)	XW240K
		XH240L
		XH240V
		XH260L
		XH260V
		XH340L
	XH360L	
	XH360V	
	XH460L	
		1.4 (Fam. 26)
		XLH360
XW260/271	6.7 (Fam. 16)	XW260L
		XW271L
		XW270K
		XW271K
XW260L	7.8 (Fam. 16)	XW260L
XW264K	5.1 (Fam. 16)	XW264K
XW260K	5.9 (Fam. 16)	XW260K
XW270K	6.3 (Fam. 16)	XW270K