



## Configuration software system



# PARAMETERS MANAGER 2.10

## *USER MANUAL*

VERSION 1.00





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# Important

## [ Parameters Manager ]

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### **Important**

Read these instructions carefully before use and follow all recommendations; keep these instructions for future reference.

The devices must be disposed of according to local Standards regarding the collection of electric and electronic appliances.





# Introduction

# [ Parameters Manager ]

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## Introduction

Parameters Manager is a program used with Evco instruments that have a serial port (TTL or RS-485) and that support the MODBUS communication protocol (to obtain knowledge regarding Evco instruments compatible with Parameters Manager, consult *The list of instruments compatible with Parameters Manager*; the document is available on [www.evco.it](http://www.evco.it)).

With Parameters Manager it is possible:

- to display and modify the parameters value of the instrument
- modify the level of accessibility of the instrument parameters
- display and modify the machine states of the instrument
- display the I/O state of the instrument
- display the instrument firmware identification
- display the state of the instrument alarms
- export the instrument set-up in a file
- import the set-up of another instrument into one or more instruments (exported previously into a file).

The access to these functions is subject to the type of user account with which the program is accessed.

Parameters Manager has the following user accounts:

- USER (normally used by the final user)
- SERVICE (normally used by staff in charge of technical support)
- OEMUser (normally used by staff in charge of inspection of the appliance on which the instrument is installed)
- OEM (normally used by staff in charge of elaboration of instrument set-up).

The availability of the functions depends on the type of instrument) for further information, contact the technical after-sales support at [customerservice@evco.it](mailto:customerservice@evco.it).

If access to Internet is available, it is possible to check the immediate availability of Parameters Manager updates.





# Connecting the instrument to the Personal Computer

## 2 Connecting the instrument to the Personal Computer

### 2.1 Foreword

Parameters Manager is compatible with Evco instruments, which support the MODBUS communication protocol. To obtain knowledge regarding Evco instruments compatible with Parameters Manager, consult *The list of instruments compatible with Parameters Manager* (the document is available on [www.evco.it](http://www.evco.it)).

If Parameters Manager is used with instruments that have the TTL serial port, see paragraph 2.2; if, however, Parameters Manager is used with instruments that have the RS-485 serial port, see paragraph 2.3.

To be aware of the type of serial port, consult the instrument user instructions.

### 2.2 Connecting an instrument with TTL serial port to the Personal Computer

#### 2.2.1 Requisites

Make sure you have:

- instruments with TTL serial port
- EVIF20TRX serial interface (to interface the instrument with the Personal Computer)
- 1256800042 telephone cable (to connect the EVIF20TRX serial interface to the Personal Computer)
- 1256800079 adapter (to adapt the 1256800042 telephone cable to the serial port of the Personal Computer).

The EVIF20TRX serial interface, the 1256800042 telephone cable and the 1256800079 adapter form the connecting kit EVPROG01 (see Fig. 1).

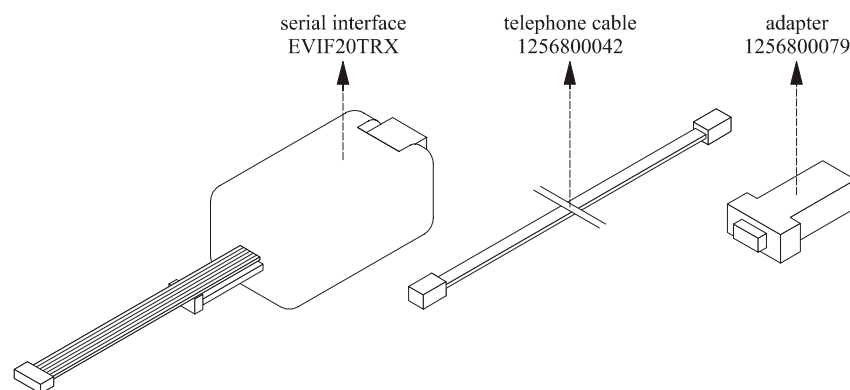


Fig. 1 - EVIF20TRX serial interface, 1256800042 telephone cable and 1256800079 adapter.

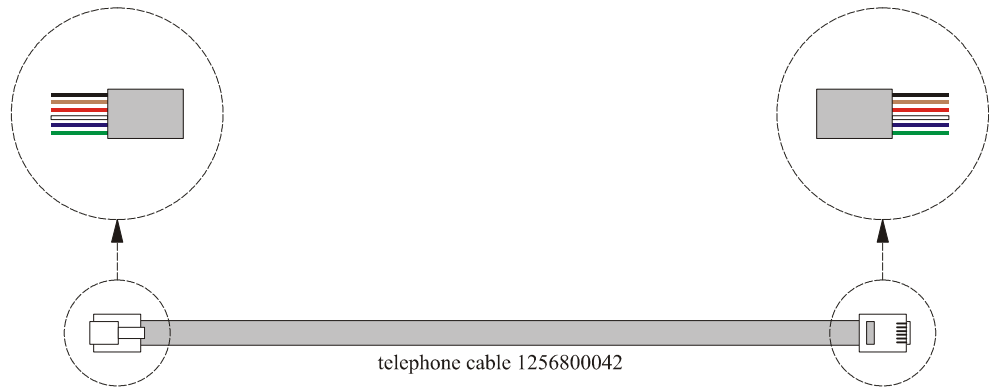


Fig. 2 - Detail of the 1256800042 telephone cable.

Make sure that the Personal Computer has a free COM and does not use other programs.

(1) if the COM has 25 pins, use a 9 pin/25 pin adapter

The COM is a serial port with 9 pins, normally situated on the back of the Personal Computer (see Fig. 3) <sup>(1)</sup>.



Fig. 3 - COM with 9 pins.

If the Personal Computer does not have COM but USB port, the 0810500011 adapter must be used (from USB to RS-232 serial; see Fig. 4).

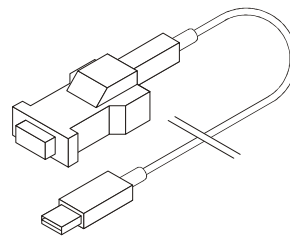


Fig. 4 - 0810500011 adapter (from USB to serial RS-232).

To find out the number of the corresponding COM, operate as indicated:

1. Click on the **Start** button and select **Control panel**.  
The **Control panel** screen will be displayed.
2. Select **Performances and maintenance** and then **System**.  
The **System property** screen will be displayed.
3. Click on the **Hardware** board and then on the **Device manager** button.  
The **Device manager** screen will be displayed.
4. Expand the **Ports (COM and LPT)** item.

### 2.2.2 Connecting the instrument to the Personal Computer

Operate as indicated (see Fig. 5):

- make sure that the instrument is not powered
- connect one of the two Micromatch connectors of the EVIF20TRX serial interface to the serial port of the instrument <sup>(2)</sup>
- connect one end of the 1256800042 telephone cable to the telephone connector of the EVIF20TRX serial interface
- connect the other end of the 1256800042 telephone cable to the 1256800079 adapter
- connect the 1256800079 adapter to a COM on the Personal Computer (or to the 0810500011 adapter, from USB to RS-232 serial)

(2) use the connector that is easiest to connect

(3) some instruments do not have the parameter or these have another name; for further information contact the technical after-sales at [customerservice@evco.it](mailto:customerservice@evco.it)

(4) to modify the parameters value, consult the instrument user instructions

- power the instrument; alternatively power the EVIF20TRX serial interface (from which the instrument receives sufficient power supply to support programming operations) with the EVPS power supply unit
- make sure that the instrument baud rate (normally the Lb parameter) is set at *9.600 baud* <sup>(3)</sup> <sup>(4)</sup>
- make sure that the instrument parity (normally the LP parameter) is set at *even* <sup>(3)</sup> <sup>(4)</sup>.

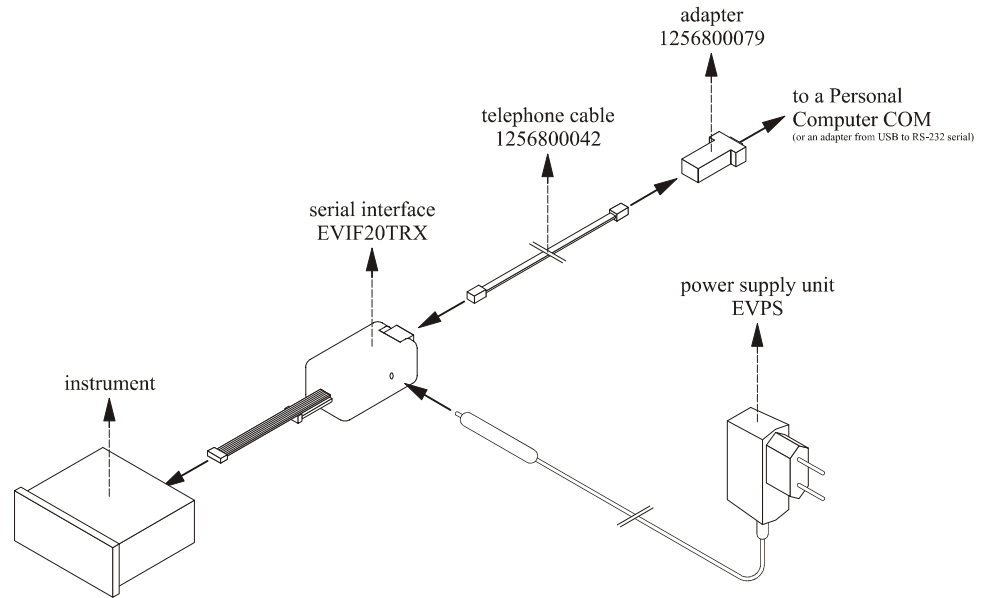


Fig. 5 - Connecting an instrument with TTL serial port to the Personal Computer.

## 2.3 Connecting an instrument with RS-485 serial port to the Personal Computer

### 2.3.1 Requisites

Make sure you have:

- instruments with RS-485 serial port
- EVIF21RS7I serial interface (to interface the instrument with the Personal Computer)
- 1256800042 telephone cable (to connect the EVIF21RS7I serial interface to the Personal Computer)
- 1256800079 adapter (to adapt the 1256800042 telephone cable to the serial port of the Personal Computer).

The 1256800042 telephone cable and the 1256800079 adapter are supplied with the EVIF21RS7I serial interface (see Fig. 6).

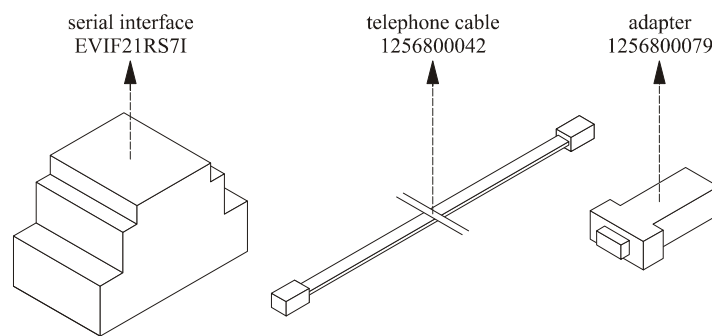


Fig. 6 - EVIF21RS7I serial interface, 1256800042 telephone cable and 1256800079 adapter.

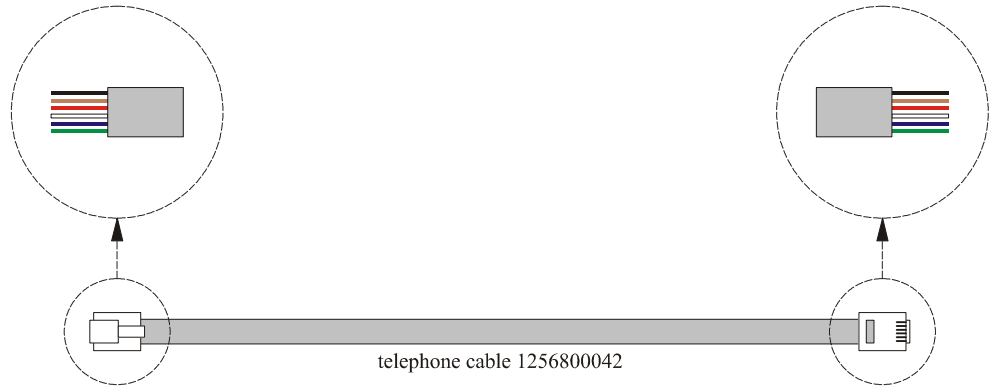


Fig. 2 - Detail of the 1256800042 telephone cable.

Make sure that the Personal Computer has a free COM and does not use other programs.

(1) if the COM has 25 pins, use a 9 pin/25 pin adapter

The COM is a serial port with 9 pins, normally situated on the back of the Personal Computer (see Fig. 3) <sup>(1)</sup>.



Fig. 3 - COM with 9 pins.

If the Personal Computer does not have COM but USB port, the 0810500011 adapter must be used (from USB to RS-232 serial; see Fig. 4).

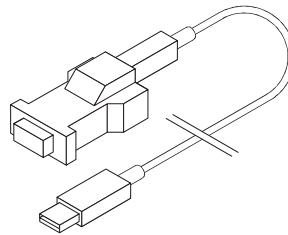


Fig. 4 - 0810500011 adapter (from USB to serial RS-232).

To find out the number of the corresponding COM, operate as indicated:

1. Click on the **Start** button and select **Control panel**.  
The **Control panel** screen will be displayed.
2. Select **Performances and maintenance** and then **System**.  
The **System property** screen will be displayed.
3. Click on the **Hardware** board and then on the **Device manager** button.  
The **Device manager** screen will be displayed.
4. Expand the **Ports (COM and LPT)** item.

### 2.3.2 Connecting the instrument to the Personal Computer

Operate as indicated (see Fig. 7 and Fig. 8):

- make sure that the instrument is not powered
- connect clamp “ 11 ” of the EVIF21RS7I serial interface to the “ + ” clamp of the instrument RS-485 serial port <sup>(5)</sup>
- connect clamp “ 13 ” of the EVIF21RS7I serial interface to the “ -- ” clamp of the instrument RS-485 serial port <sup>(5)</sup>
- connect clamp “ 15 ” of the EVIF21RS7I serial interface to the “ S ” clamp of the instrument RS-485 serial port <sup>(6)</sup>

(5) use a twisted pair

(6) pair up the cable to that already connected as much as possible

- to reduce the reflections on the signal transmitted through the cable, insert the termination of the EVIF21RS7I serial interface and of the instrument
- connect one end of the 1256800042 telephone cable to the telephone connector of the EVIF21RS7I serial interface
- connect the other end of the 1256800042 telephone cable to the 1256800079 adapter
- connect the 1256800079 adapter to a COM on the Personal Computer (or to the 0810500011 adapter, from USB to RS-232 serial)
- power the instrument
- make sure that the instrument baud rate (normally the Lb parameter) is set at *9.600 baud* <sup>(3)</sup> <sup>(4)</sup>
- make sure that the instrument baud rate (normally the Lb parameter) is set at *even* <sup>(3)</sup> <sup>(4)</sup>
- power the serial interface EVIF21RS7I.

(3) some instruments do not have the parameter or these have another name; for further information contact the technical after-sales at [customerservice@evco.it](mailto:customerservice@evco.it)

(4) to modify the parameters value, consult the instrument user instructions.

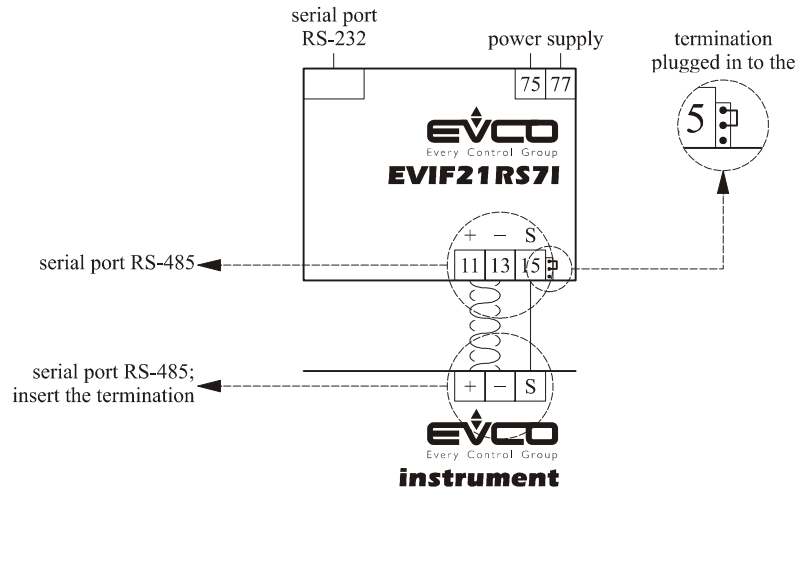


Fig. 7 - Connecting an instrument with RS-485 serial port to EVIF21RS7I.

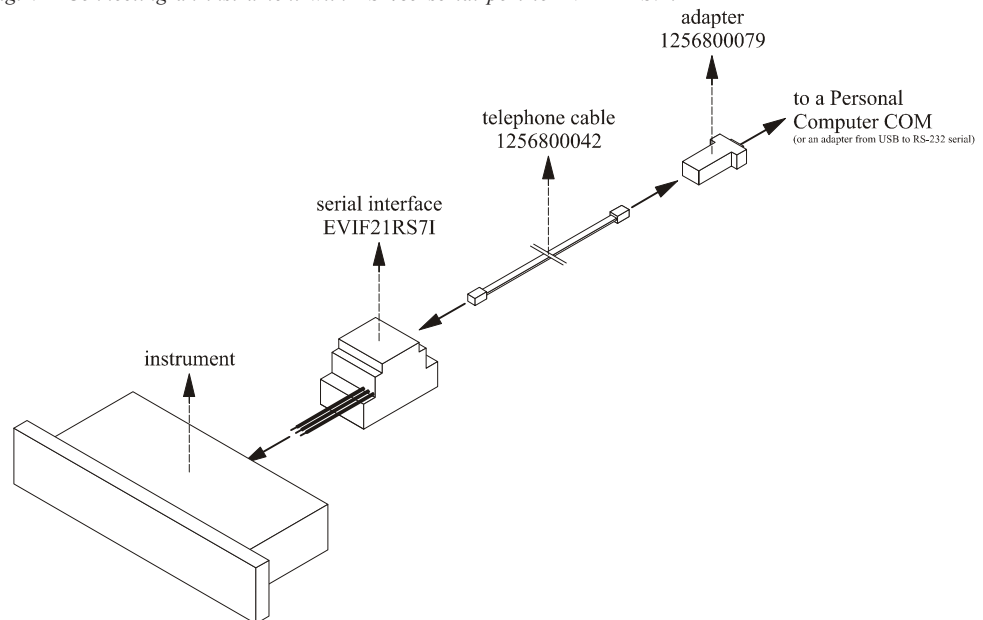


Fig. 8 - Connecting an instrument with RS-485 serial port to the Personal Computer.



# Installing Parameters Manager

## 3 Installing Parameters Manager

### 3.1 Foreword

In an old version of Parameters Manager is installed in the Personal Computer, before installing make a copy of the folder containing the old version <sup>(7)</sup> .

(7) on the basis of the predefined setting, Parameters Manager is installed in the C:\Evco\Ricsparamsmanger folder

### 3.2 Requisites

Make sure that the Personal Computer has the following minimum system requisites:

- Microsoft® Windows XP or Microsoft® Windows Vista installed
- 800 MHz processor (recommended 1.2 GHz)
- 512 MB RAM
- 100 MB space available on the hard disk
- SVGA monitor
- CD-ROM unit
- mouse or compatible pointing peripheral
- serial port (COM or USB with 0810500011 adapter, from USB to RS-232 serial).

### 3.3 Installing Parameters Manager

Operate as indicated:

(8) access the operational system with the administrator account of the Personal Computer

(9) if the dialogue window is not displayed, double click on the **parameters\_manager\_setup.exe** file in the CD-ROM unit. If Microsoft® Vista is used, use the right key on the mouse to click on the file and then select **Run as administrator** from the quick choice menu.

1. Start the operational system <sup>(8)</sup> .
2. Close all applications, including antivirus programs.
3. Insert the Parameters Manager CD into the CD-ROM unit.  
The **Languages** dialogue window will be displayed <sup>(9)</sup> .
4. Carry out the instructions displayed.

The **Settings** dialogue window will be displayed:

- if an old version of Parameters Manager is installed in the Personal Computer and you want to keep the configuration and/or log files, select the **Keep previous configuration files if present** check box and/or **Keep previous data files if present**.
5. Select **Next >**.  
The Parameters Manager guided installation will be started.
  6. Carry out the instructions displayed.

### 3.4 Uninstalling Parameters Manager

Operate as indicated:

1. Click on the **Start** button and select **All Programs**.
2. Select **Evco** and then **Parameters Manager**.
3. Select **Uninstall**.
4. Select **Next >**.  
The Parameters Manager guided uninstalling will be started.
5. Carry out the instructions displayed.





# Starting Parameters Manager

## 4 Starting Parameters Manager

### 4.1 Starting Parameters Manager

Make sure that the instrument is connected to the Personal Computer and that the devices are powered (see chapter 2). To start the program, double click on the **EVCO Parameters Manager** icon on the desktop of the operational system <sup>(10)</sup>.

If it has been decided not to create the connection on the desktop during installation, operate as indicated:

1. Click on the **Start** button and select **All Programs**.
2. Select **Evco** and then **Parameters Manager**.
3. Select **Parameters Manager** <sup>(11)</sup>.

The program will be started.

4. Close any dialogue window.
5. Select Setup > Network.

The **Connection setup** dialogue window will be displayed.

6. Select the COM number of the Personal Computer to which the serial interface has been connected from the **Serial port** drop-down menu of the **Serial connection** unit.
7. Select the type of serial interface from the **Hardware** drop down menu of the **Serial connection** unit.
8. Select **9600** (or the same baud rate assigned to the instrument, normally the parameter Lb) from the **Baud rate** drop down menu of the **Serial connection** menu <sup>(3)</sup>.
9. Select **Even** (or the same parity assigned to the instrument, normally the parameter LP) from the **Parity** drop down menu of the **Serial connection** menu <sup>(3)</sup>.
10. Select **MODBUS** from the **Protocol** drop-down menu of the **Serial connection** unit.
11. Select **Next >>>** (see Fig. 9).

(10) if Microsoft® Vista is used, use the right key on the mouse to click on the icon and then select **Property** from the quick choice menu. The **Property - EVCO Parameters Manager** dialogue window will be displayed. Click on the **Compatibility** board and then make sure that the **Run the program in Compatible Mode for** check box of the **Compatible Mode** unit is selected. Select *Windows XP (Service Pack 2)* from the drop-down menu and make sure that the **Run this program as administrator** check box of the **Privilege level** unit is selected

(11) on the basis of the predefined setting, Parameters Manager is installed in the C:\Evco\Ricsparamsmanager folder; the name of the program file C:\Evco\Ricsparamsmanager\Bin\paramsmanager.exe

(3) some instruments do not have the parameter or these have another name; for further information contact the technical after-sales at [customerservice@evco.it](mailto:customerservice@evco.it)

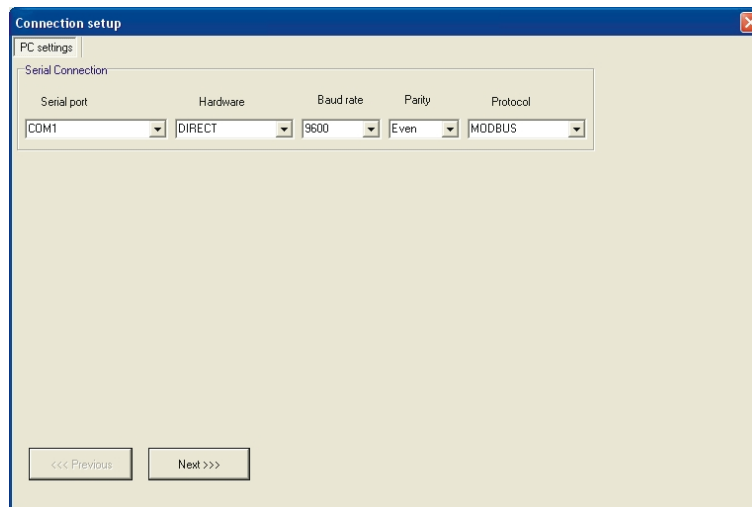


Fig. 9 - Connection setup dialogue window.

12. At the end of initialisation, select **Next >>>** again.

## Starting Parameters Manager

(3) some instruments do not have the parameter or these have another name; for further information contact the technical after-sales at [customerservice@evco.it](mailto:customerservice@evco.it).

13. Enter a range of instrument addresses (normally parameter LA) to scan in the **Min** and **Max** text box of the **Range of addresses to be checked unit** <sup>(3)</sup>.
14. Select **Next >>>**.

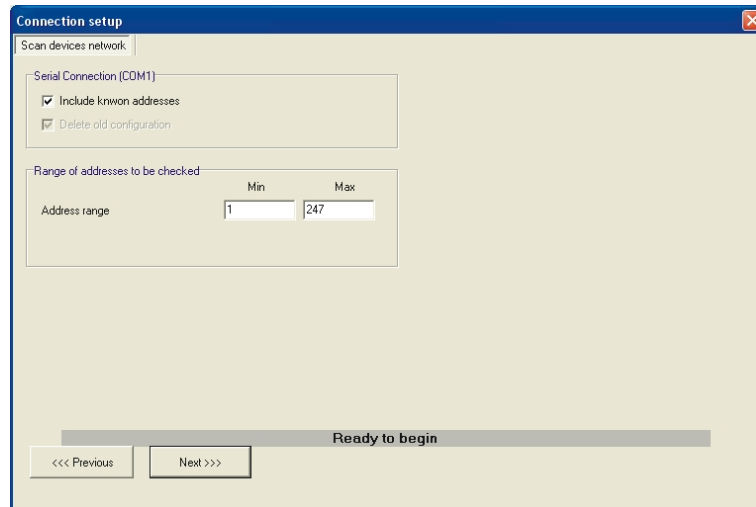


Fig. 10 - Connection setup dialogue window.

15. At the end of scanning, select **Close**.  
To display the Parameters Manager desktop (see Fig. 11).

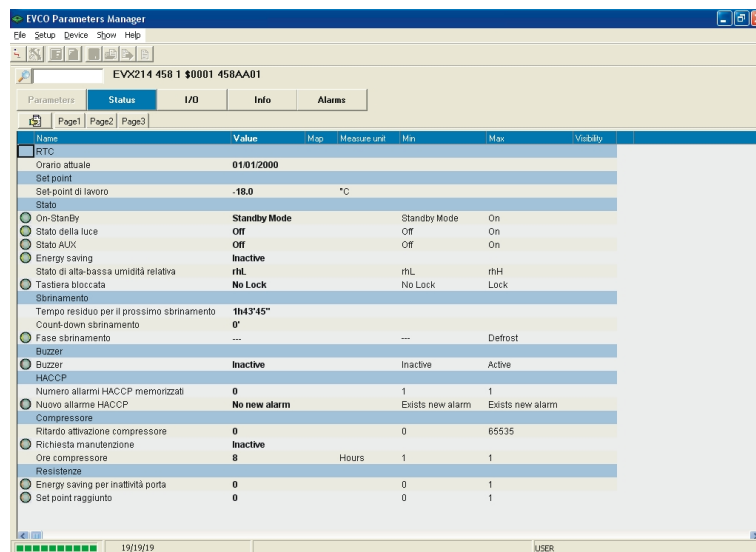


Fig. 11 - Parameters Manager desktop.

# Using Parameters Manager

## 5 Using Parameters Manager

### 5.1 Foreword

The availability of the functions described in this chapter depends on the type of instrument connected; for further information, contact the technical after-sales support at [customerservice@evco.it](mailto:customerservice@evco.it).

### 5.2 Parameters Manager desktop

When Parameters Manager has been started, the desktop is displayed (see Fig. 12).

it supplies information regarding the instrument driver





it supplied information regarding the machine states of the instrument

it indicates that the instrument communicates correctly with the Personal Computer





it indicates the user account with which to access the program

Fig. 12 - Parameters Manager desktop.

The table below supplies a brief description of the Parameters Manager desktop speed buttons:

Speed button	Name	Description
	Network setup	It allows to modify the program settings relative to the communication between the instrument and the Personal Computer
	Program setup	It allows to modify the program settings relative to the instrument parameters display and importing in one or more instruments of the set-up of another instrument (exported previously into a file)
	Parameters	Allows to display instrument parameters
	Save	Allows to export the instrument set-up in a file

## Using Parameters Manager

	Load map	It allows to consult the set-up of an instrument (exported previously into a file) before importing it into one or more instruments
	Program the device	Allows to import the set-up of another instrument into one or more instruments (exported previously into a file)
	Map preview	It allows to consult the set-up with which the instrument has been programmed
	Search	Allows to search the displayed screen for the text entered in the adjacent text box

### 5.3 User account

Parameters Manager has for user accounts.

The access to the functions described in this chapter is subject to the type of user account with which the program is accessed.

The table below supplies a brief description of the Parameters Manager user account:

User account	Functions allowed
USER	<ul style="list-style-type: none"> <li>display of the instrument machine states</li> <li>display the I/O state of the instrument</li> <li>display of the instrument firmware identification</li> <li>display of the instrument alarms state</li> </ul>
SERVICE	<ul style="list-style-type: none"> <li>display and modification the parameters value of the instrument</li> <li>display and modification the machine states of the instrument</li> <li>display the I/O state of the instrument</li> <li>display of the instrument firmware identification</li> <li>display of the instrument alarms state</li> <li>exporting the instrument set-up into a file</li> <li>importing into one or more instruments of the set-up of another instrument (exported previously into a file)</li> </ul>
OEMUser	<ul style="list-style-type: none"> <li>display of the parameters value of the instrument</li> <li>display of the instrument machine states</li> <li>display the I/O state of the instrument</li> <li>display of the instrument firmware identification</li> <li>display of the instrument alarms state</li> <li>exporting the instrument set-up into a file</li> <li>importing into one or more instruments of the set-up of another instrument (exported previously into a file)</li> </ul>
OEM	<ul style="list-style-type: none"> <li>display and modification the parameters value of the instrument</li> <li>modification of the level of accessibility of the instrument parameters</li> <li>display and modification the machine states of the instrument</li> <li>display the I/O state of the instrument</li> <li>display of the instrument firmware identification</li> <li>display of the instrument alarms state</li> <li>exporting the instrument set-up into a file</li> <li>importing into one or more instruments of the set-up of another instrument (exported previously into a file)</li> </ul>

When starting Parameters Manager for the first time, access the program with the user account *USER*; successively, on start-up, access the program with the last account used.

### 5.3.1 Access to the program

Operate as indicated:

1. Select Setup > Log in.

The **Password** dialogue window will be displayed.

2. Select the type of user account from the drop-down menu (for example *OEM*) and enter the password of the account into the text box (see Fig. 13) <sup>(12)</sup>.

The account passwords are stated on the Certificate of Authenticity.

(12) make sure you do not use the letter "l" instead of number 1 and the letter "o" instead of number 0

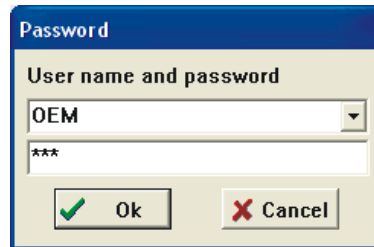


Fig. 13 - Password dialogue window.

3. Select **Ok**.

The **Parameters** screen will be displayed (see Fig. 14).



Fig. 14 - Parameters screen.

## 5.4 Display and modification the parameters value of the instrument

Operate as indicated:


(13) access the program with *SERVICE*, *OEMUser* or *OEM* user account (see paragraph 5.3.1) <sup>(13)</sup>.  
The **Parameters** screen will be displayed (see Fig. 14).

(14) to show any parameters on the screen that were to be hidden, select Show > Hidden; to show any parameters on the screen that due to the value of others are insignificant, select Show > Inactive

(15) to show/hide the columns, use the right key on the mouse to click on the name of the column and then select the column from the quick choice menu

(16) on the basis of the predefined setting, the column is empty; to show the value, use the right key on the mouse to click on the parameter line and then select **Memo reference value** from the quick choice menu (any differences between the value stated in the **Value** column and that reported in the **Map** column are highlighted with another colour)

1. Access the program with *SERVICE*, *OEMUser* or *OEM* user account (see paragraph 5.3.1) <sup>(13)</sup>.  
The **Parameters** screen will be displayed (see Fig. 14).

The parameters are found on several board; to put them in a unique board, click on the  <sup>(14)</sup>.

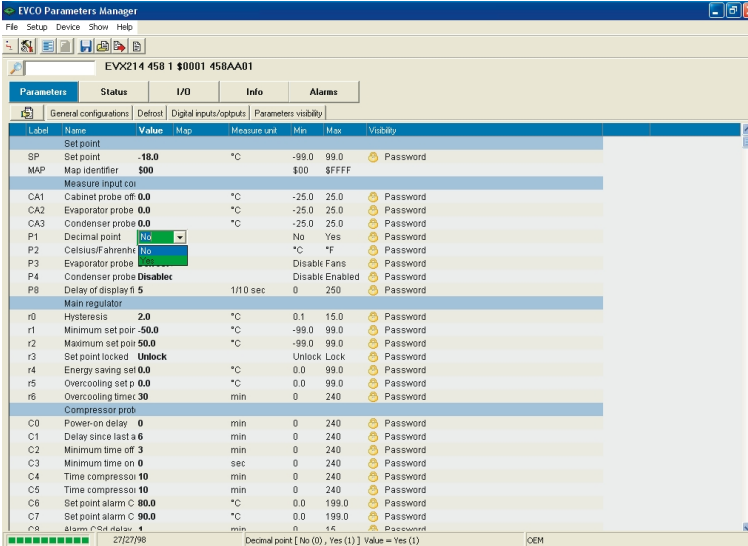
The list that follows supplies a brief description of the data given in the **Parameters** screen columns <sup>(15)</sup>:

- **Label:** states the parameter code
- **Name:** states the description of the parameter
- **Value:** states the current value of the parameter
- **Map:** it states the parameter value that is set with the reset procedure of the factory settings <sup>(16)</sup>
- **Measure unit:** states the unit of measurement of the parameter
- **Min:** states the minimum value that can be attributed to the parameter
- **Max:** states the maximum value that can be attributed to the parameter
- **Visibility:** states the level of accessibility of the parameter (see paragraph 5.5).

2. Double click on the parameter value.

A text box or drop-down menu will be displayed.

3. Enter the value in the text box or select the value from the drop-down menu (see Fig. 15).



Label	Name	Value	Map	Measure unit	Min	Max	Visibility
<b>Set point</b>							
SP	Set point	10.0		°C	-99.0	99.0	Password
MAP	Map Identifier	500			\$00	\$FFFF	
<b>Measure input coil</b>							
CA1	Cabinet probe off	0.0		°C	-25.0	25.0	Password
CA2	Evaporator probe	0.0		°C	-25.0	25.0	Password
CA3	Condenser probe	0.0		°C	-25.0	25.0	Password
P1	Decimal point	100			No	Yes	Password
P2	Celsius/Fahrenheit	No		°C	°F		Password
P3	Evaporator probe	Disable			Disable	Enabled	Password
P4	Condenser probe	Disable			Disable	Enabled	Password
P8	Delay of display fi	5		1/10 sec	0	250	Password
<b>Main regulator</b>							
r0	Hysteresis	2.0		°C	0.1	15.0	Password
r1	Minimum set point	-50.0		°C	-99.0	99.0	Password
r2	Maximum set point	50.0		°C	-99.0	99.0	Password
r3	Set point locked	Unlock			Unlock	Lock	Password
r4	Energy saving set	0.0		°C	0.0	99.0	Password
r5	Overcooling set p	0.0		°C	0.0	99.0	Password
r6	Overcooling time	30		min	0	240	Password
<b>Compressor probe</b>							
C0	Power-on delay	0		min	0	240	Password
C1	Delay since last	6		min	0	240	Password
C2	Minimum time off	3		min	0	240	Password
C3	Minimum time on	0		sec	0	240	Password
C4	Time compressor	10		min	0	240	Password
C5	Time compressor	10		min	0	240	Password
C6	Set point alarm C	80.0		°C	0.0	199.0	Password
C7	Set point alarm C	90.0		°C	0.0	199.0	Password
C8	Alarm P/B delay	4		min	0	16	Password

Fig. 15 - Parameters value modification screen.

4. Press **Enter**.
5. Select File > Exit.
6. Disconnect the instrument serial port.

## 5.5 Modification of the level of accessibility of the instrument parameters

Operate as indicated:

1. Access the program with *OEM* user account (see paragraph 5.3.1).  
The **Parameters** screen will be displayed (see Fig. 14).
2. Use the right key on the mouse to click on the parameter line and then select a value from the quick choice menu **Visibility** (see Fig. 16).

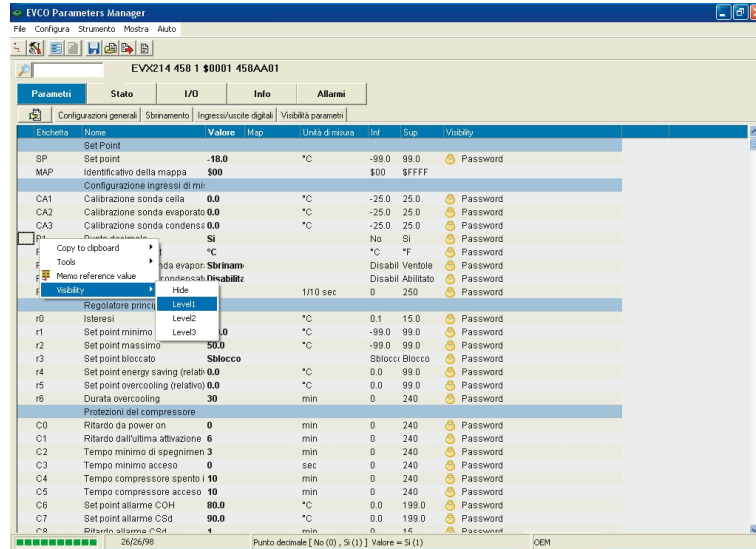


Fig. 16 - Parameters access level modification screen.

The list that follows supplies a brief description of the values from the drop-down menu **Visibility** (see Fig. 17):

(14) to show any parameters on the screen that were to be hidden, select Show > Hidden; to show any parameters on the screen that due to the value of others are insignificant, select Show > Inactive

- **Hide**: allows to hide the parameter (in this case the data given in the column **Visibility** is *Hidden*) <sup>(14)</sup>
- **Level1**: allows to bring the parameter to the first level (usually not protected by access password; in this case the data given in the column **Visibility** is *FirstLevel*)
- **Level2**: allows to bring the parameter to the second level (usually protected by access password; in this case the data given in the column **Visibility** is *Password*)
- **Level3**: value protected.

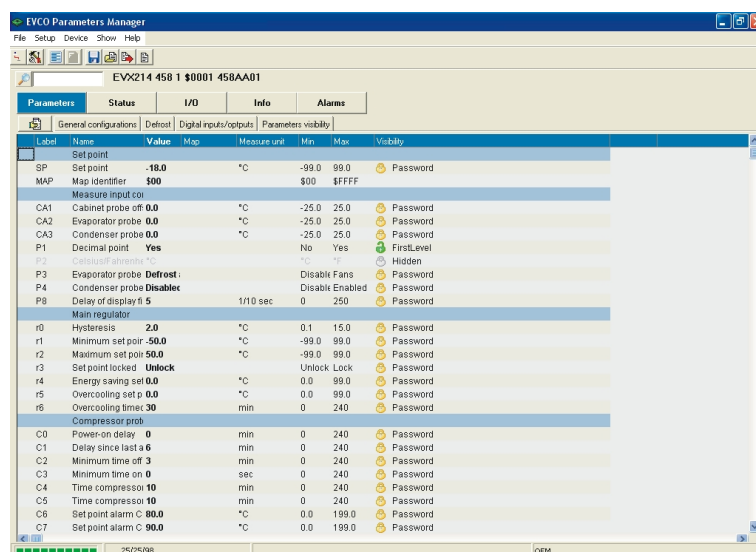


Fig. 17 - Parameters access level screen.

3. Select File > Exit.
4. Disconnect the instrument serial port.

### 5.6 Display and modification the machine states of the instrument

Operate as indicated:

(17) access the program with *USER* or *OEMUser* user account, the machine states can be displayed only

1. Select **Status** <sup>(17)</sup>.

The **Status** screen will be displayed (see Fig. 18).

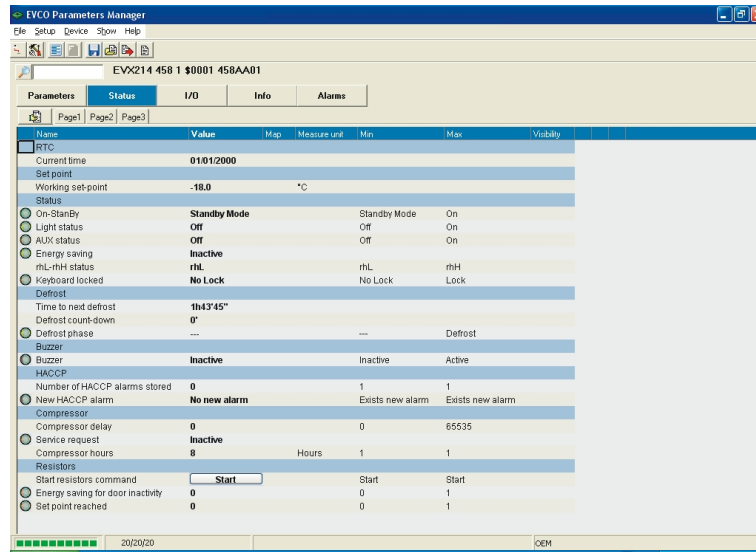


Fig. 18 - Status screen.

The machine states are positioned on several boards; to place them on one board, click on the board .

The list that follows supplies a brief description of the data given in the **Status** screen columns <sup>(15)</sup>:

- **Name:** states the description of the machine state
- **Value:** states the current value of the machine state
- **Map:** states the value of the machine state on the basis of factory setting <sup>(18)</sup>
- **Measure unit:** states the unit of measurement of the machine status
- **Min:** states the minimum value that can be attributed to the machine state
- **Max:** states the maximum value that can be attributed to the machine state.

2. Double click on the machine state value.

A drop-down menu will be displayed.

3. Select the value from the drop-down menu (see Fig. 19).

(15) to show/hide the columns, use the right key on the mouse to click on the name of the column and then select the column from the quick choice menu

(18) on the basis of the predefined setting, the column is empty; to show the value, use the right key on the mouse to click on the machine state line and then select **Memo reference value** from the quick choice menu (any differences between the value stated in the **Value** column and that reported in the **Map** column are highlighted with another colour)

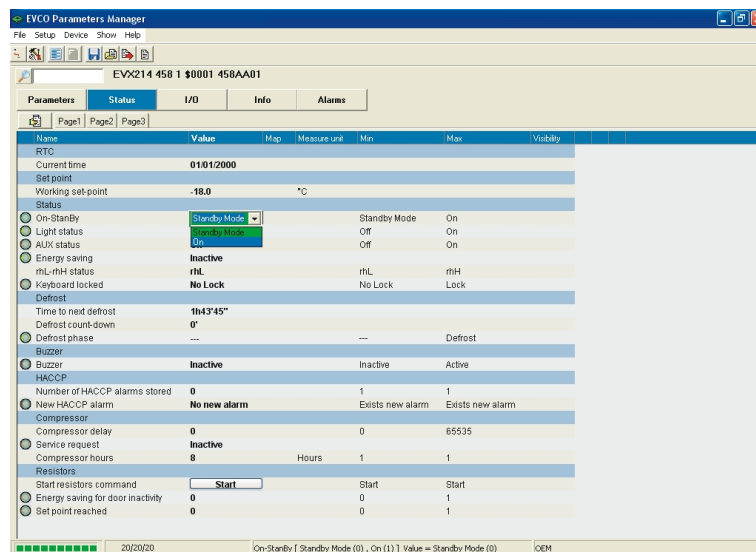


Fig. 19 - Machine states value modification screen.

4. Press **Enter**.
5. Select **File > Exit**.



6. Disconnect the instrument serial port.

## 5.7 Display the I/O state of the instrument

Operate as indicated:

1. Select **I/O**.

The **I/O** screen will be displayed (see Fig. 20).

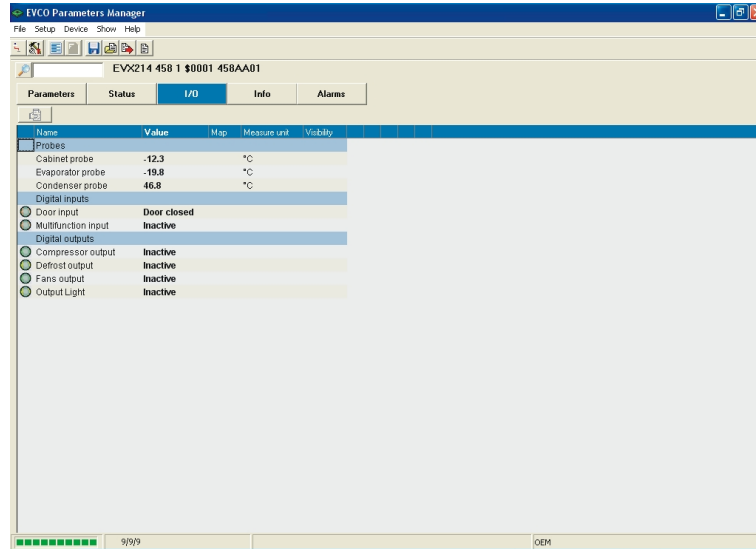


Fig. 20 - I/O screen.

(15) to show/hide the columns, use the right key on the mouse to click on the name of the column and then select the column from the quick choice menu

The list that follows supplies a brief description of the data given in the **I/O** screen columns <sup>(15)</sup> :

- **Name**: states the description of the I/O
- **Value**: states the current value of the I/O
- **Map**: states the value of the state on the basis of factory setting <sup>(18)</sup>
- **Measure unit**: states the unit of measurement of the I/O.

2. Select File > Exit.
3. Disconnect the instrument serial port.

## 5.8 Display of the instrument firmware identification

Operate as indicated:

1. Select **Info**.

The **Info** screen will be displayed (see Fig. 21).

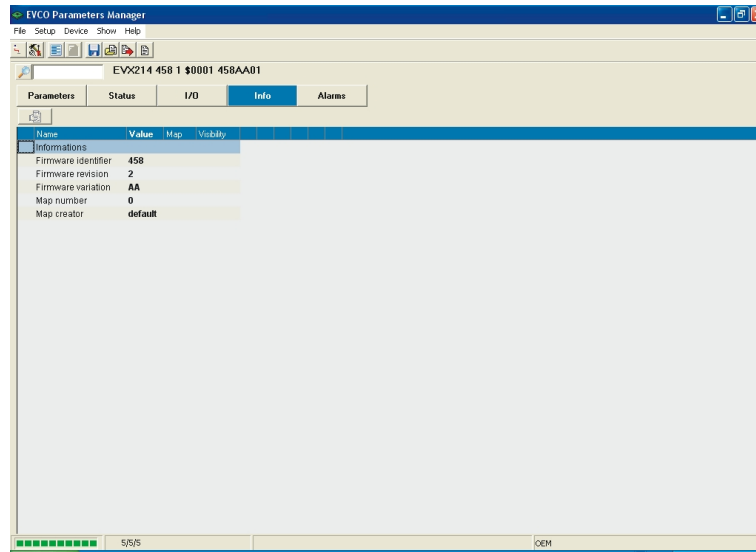


Fig. 21 - Info screen.

(15) to show/hide the columns, use the right key on the mouse to click on the name of the column and then select the column from the quick choice menu

The list that follows supplies a brief description of the data given in the **I/O** screen columns <sup>(15)</sup> :

- **Name**: states the description of the firmware identification
- **Value**: states the value of the firmware identification.

2. Select File > Exit.
3. Disconnect the instrument serial port.

## 5.9 Display of the instrument alarms state

Operate as indicated:

1. Select **Alarms**.

The **Alarms** screen will be displayed (see Fig. 22).

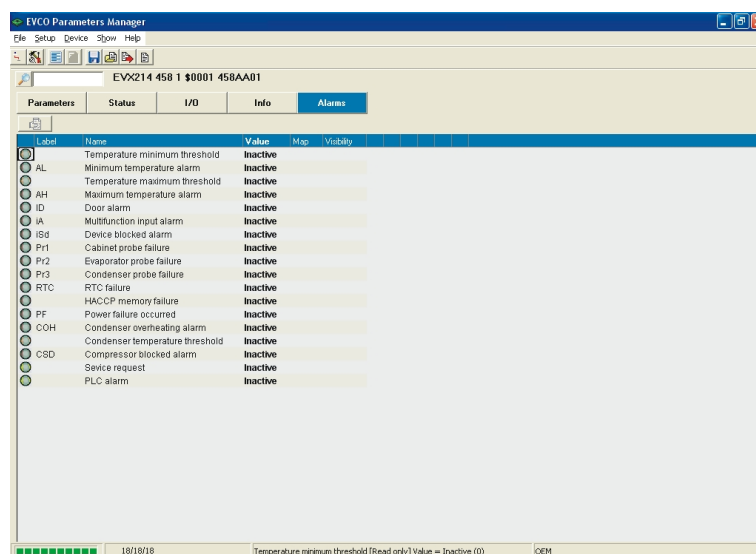


Fig. 22 - Alarms screen.

(15) to show/hide the columns, use the right key on the mouse to click on the name of the column and then select the column from the quick choice menu

The list that follows supplies a brief description of the data given in the **Alarms** <sup>(15)</sup> :

- **Label**: states the alarm code
  - **Name**: states the description of the alarm
  - **Value**: states the current state of the alarm.
3. Select File > Exit.
  4. Disconnect the instrument serial port.

## 5.10 Exporting the instrument set-up into a file

### 5.10.1 Foreword

Parameters Manager allows to export the set-up of one instrument into the following file formats:

- TXT - Microsoft® NotePad
- HTML - Microsoft® Internet Explorer
- DOC - Microsoft® Word
- XLS - Microsoft® Excel
- MAP - Format property of Evco.

Parameters Manager also allows to import the set-up of another instrument into one or more instruments (exported previously into a file) on condition that these have been exported in MAP format and that the firmware identification of the instruments coincides <sup>(19)</sup> .

(19) to display the instrument firmware identification, select **Info**

### 5.10.2 Exporting the instrument set-up into a file

Operate as indicated:

1. Access the program with *SERVICE*, *OEMUser* or *OEM* user account (see 5.3.1).  
The **Parameters** screen will be displayed (see Fig. 14).
2. Double click on the *MAP - Map identifier* parameter value.  
A text box will be displayed.
3. Enter a new value, made up from the \$ symbol followed by two numbers (for example \$01) in the text box (see Fig. 23).
4. Press **Enter**.

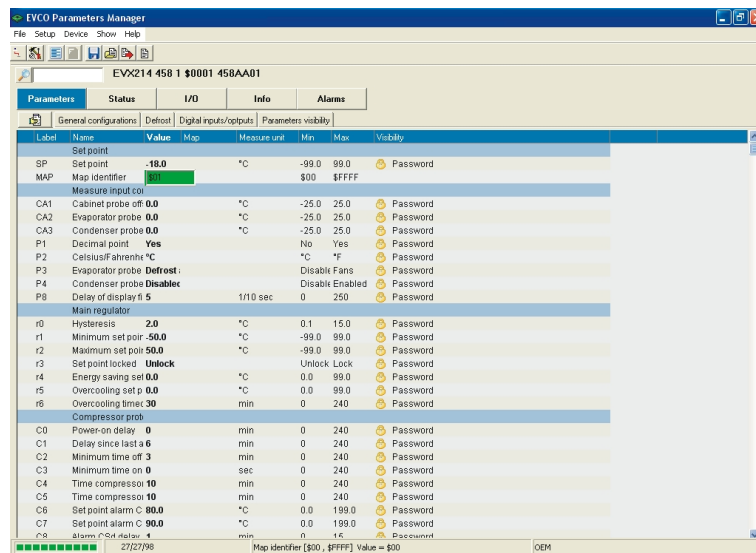


Fig. 23 - Modification of the value of the map identifier screen.

5. Operate as indicated in paragraphs 5.4 and 5.5.
6. Select File > Save.  
The **Save as** dialogue window will be displayed.
7. Enter the name of the file in the **File name** text box (for example *EVX214N7 - Set-up LT cabinets*) and select the file format from the **Save as** drop-down menu (see Fig. 24).

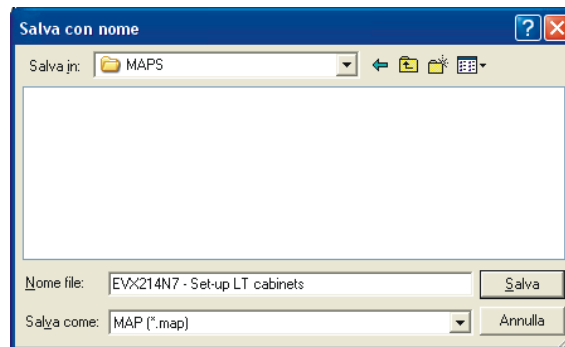


Fig. 24 - Save as dialogue window.

8. Select **Save**.
9. Select File > Exit.
10. Disconnect the instrument serial port.

## 5.11 Importing into one or more instruments of the set-up of another instrument (exported previously into a file)

### 5.11.1 Foreword

Parameters Manager allows to import the set-up of another instrument into one or more instruments (exported previously into a file) on condition that these have been exported in MAP format and that the firmware identification of the instruments coincides <sup>(19)</sup>.

(19) to display the instrument firmware identification, select **Info**

### 5.11.2 Importing into an instrument of the set-up of another instrument (exported previously into a file)

Operate as indicated:

1. Access the program with *SERVICE*, *OEMUser* or *OEM* user account (see paragraph 5.3.1).  
The **Parameters** screen will be displayed (see Fig. 14).
2. Select File > Load map.  
The **Open** dialogue window will be displayed.
3. Enter the pathway and name of the set-up file in the **File name** text box (for example *EVX214N7 - Set-up LT cabinets*; see Fig. 25).

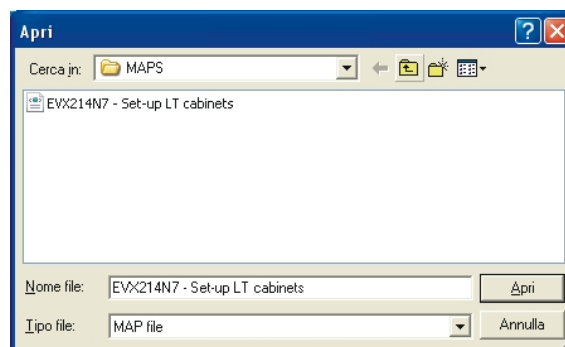


Fig. 25 - Open dialogue window.

4. Select **Open**.

The **Loaded map** screen will be displayed (see Fig. 26).

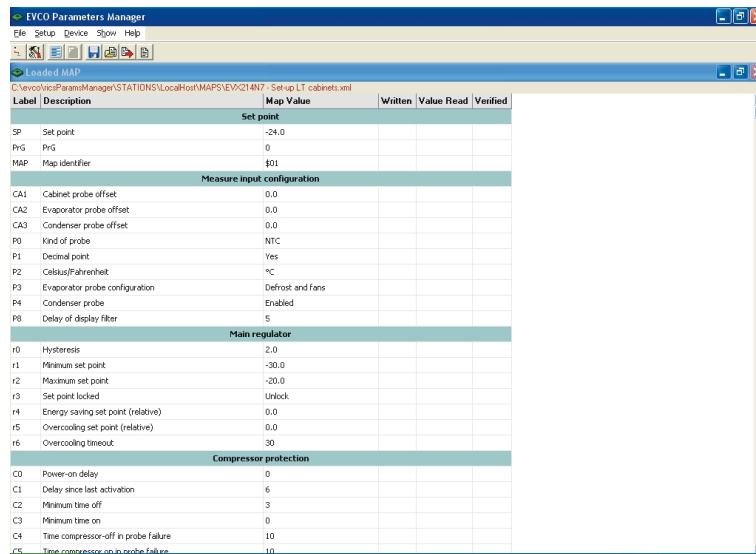


Fig. 26 - Loaded map screen.

The **Loaded map** screen allows to consult the set-up before importing it into the instrument.

5. Close the **Loaded map** screen.

The **Parameters** screen will be displayed again (any differences between the original set-up and that of destination are highlighted in another colour; see Fig. 27).

it indicates a difference between the original setup and that of destination



it indicates the number of differences between the original set-up and that of destination

Fig. 27 - Parameters screen: difference between the original set-up and the destination set-up.

## Using Parameters Manager

(20) to disable the item and the speed button, select Setup > Program.

The Setup dialogue window will be displayed.

Click on the Programming Settings board and then unselect the Enable check box

6. Select Device > Program <sup>(20)</sup> .

The **Program parameters** screen will be displayed.

If a set-up has been consulted, the **Choose the map file** text box states the pathway and the name of the set-up file (see Fig. 28).

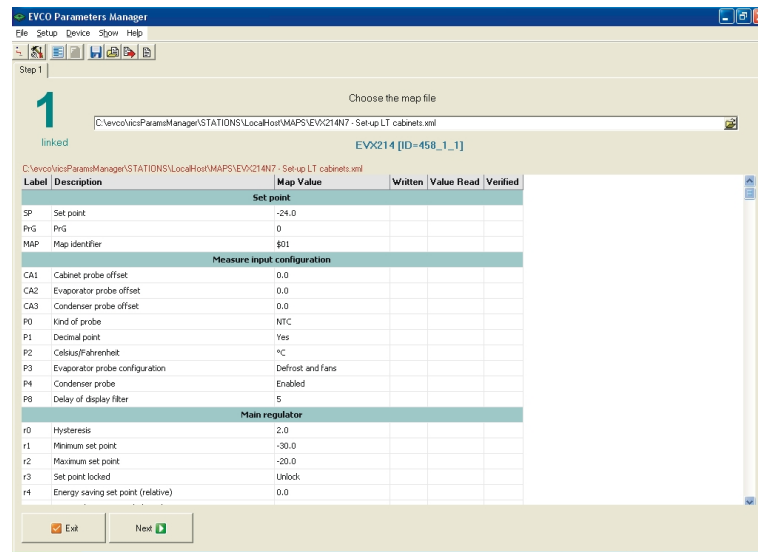


Fig. 28 - Program parameters screen.

7. Select **Next**.

Instrument programming will be started.

8. At the end of programming, select **Next**.

The **Program parameters** screen will be displayed again (see Fig. 28).

9. Select **End**.

The **Parameters programming report** screen will be displayed (see Fig. 29).

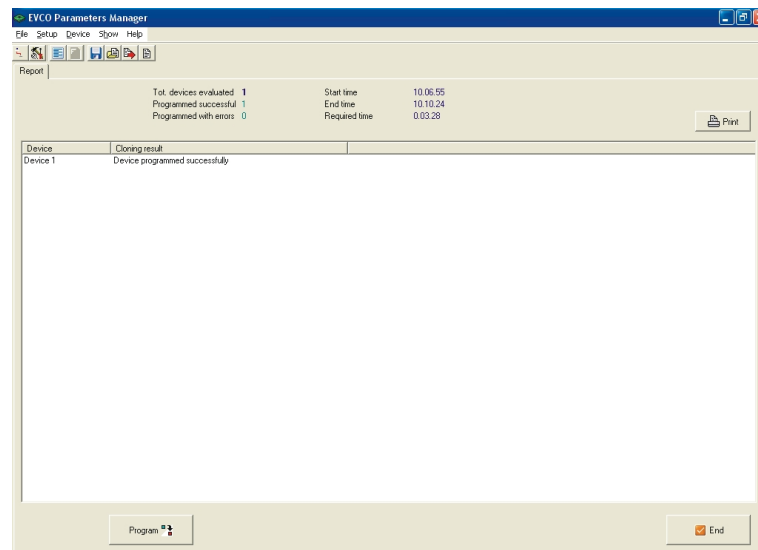


Fig. 29 - Parameters programming report screen.

10. Select **End**.

The **Parameters** screen will be displayed again (see Fig. 14).

11. Select File > Exit.

12. Disconnect the instrument serial port.

### 5.11.3 Importing into several instruments of the set-up of another instrument (exported previously into a file)

Operate as indicated:

1. Access the program with *SERVICE*, *OEMUser* or *OEM* user account (see paragraph 5.3.1).  
The **Parameters** screen will be displayed (see Fig. 14).
2. Select File > Load map.  
The **Open** dialogue window will be displayed.
3. Enter the pathway and name of the set-up file in the **File name** text box (for example *EVX214N7 - Set-up LT cabinets*; see Fig. 25).
4. Select **Open**.  
The **Loaded map** screen will be displayed (see Fig. 26).  
The **Loaded map** screen allows to consult the set-up before importing it into the instrument.
5. Close the **Loaded map** screen.  
The **Parameters** screen will be displayed again (any differences between the original set-up and that of destination are highlighted in another colour; see Fig. 27).
6. Select Setup > Program.  
The **Setup** dialogue window will be displayed.
7. Click on the **Programming Settings** board and then select the **Automatic mode** check box (see Fig. 30).

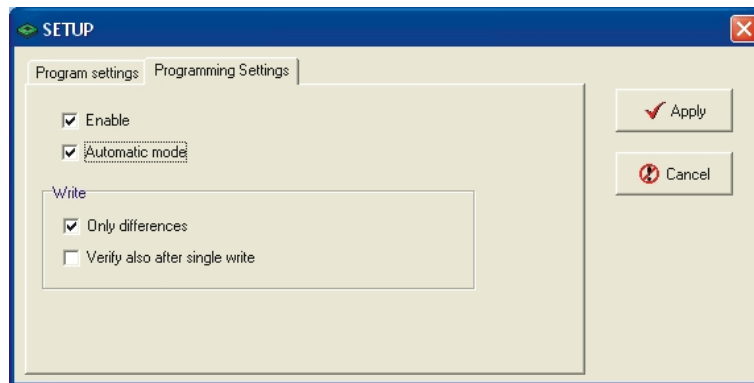


Fig. 30 - Setup dialogue window: Programming Settings board.

8. Select **Apply**.
9. Select Device > Program <sup>(20)</sup> .  
The **Program parameters** screen will be displayed.  
If a set-up has been consulted, the **Choose the map file** text box states the pathway and the name of the set-up file (see Fig. 28).
8. Select **Next**.  
Instrument programming will be started.

(20) to disable the item and the speed button, select Setup > Program.

The Setup dialogue window will be displayed.

Click on the Programming Settings board and then unselect the Enable check box.

## Using Parameters Manager

9. At the end of programing, select **Next**.

The **Program parameters** screen will be displayed again (see Fig. 31).

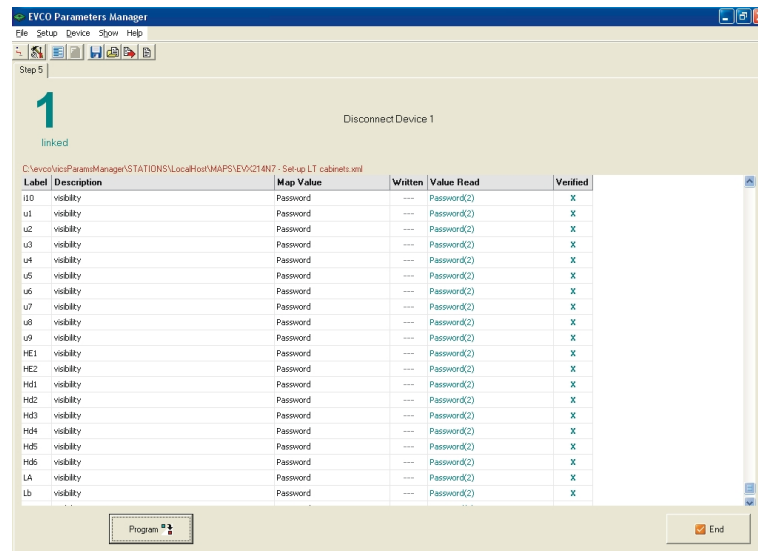


Fig. 31 - Program parameters screen.

10. Disconnect the instrument serial port.

11. Connect the serial port of another instrument.

Instrument programming will be started.

12. Repeat points 10 and 11.

13. At the end of programing, select **End**.

The **Parameters programming report** screen will be displayed (see Fig. 32).

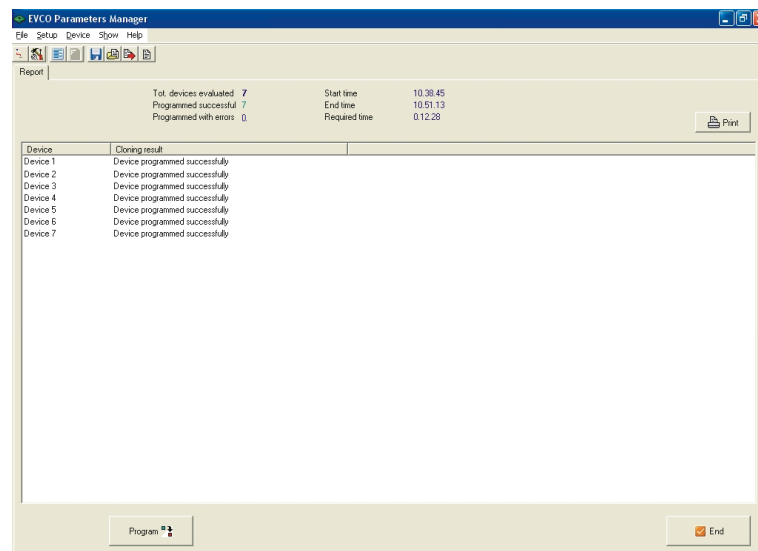


Fig. 32 - Parameters programming report screen.

14. Select **End**.

The **Parameters** screen will be displayed again (see Fig. 14).

15. Select File > Exit.

16. Disconnect the instrument serial port.



# Updating Parameters Manager

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## 6 Updating Parameters Manager

### 6.1 Foreword

If access to Internet is available, it is possible to check the immediate availability of Parameters Manager updates. Before installing the Parameters Manager update, make a copy of the folder containing the old version.

### 6.2 Checking availability of Parameters Manager updates

Operate as indicated:

1. Select Help > Check for upgrades.  
The predefined browser will be started.





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PT.

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## **HEADQUARTERS**

### **Evco**

Via Mezzaterra 6, 32036 Sedico Belluno ITALY

Phone 0039-0437-852468

Fax 0039-0437-83648

E-mail [info@evco.it](mailto:info@evco.it)

Web [www.evco.it](http://www.evco.it)

## **SUBSIDIARY LOCATIONS**

### **Control France**

155 Rue Roger Salengro, 92370 Chaville Paris FRANCE

Phone 0033-1-41159740

Fax 0033-1-41159739

E-mail [control.france@wanadoo.fr](mailto:control.france@wanadoo.fr)

### **Evco Latina**

Larrea, 390 San Isidoro, 1609 Buenos Aires ARGENTINA

Phone 0054-11-47351031

Fax 0054-11-47351031

E-mail [evcolatina@anykasrl.com.ar](mailto:evcolatina@anykasrl.com.ar)

### **Evco Pacific**

59 Premier Drive Campbellfield 3061 Victoria Melbourne AUSTRALIA

Phone 0061-3-9357-0788

Fax 0061-3-9357-7638

E-mail [evco@pacific.com.au](mailto:evco@pacific.com.au)

### **Evco Russia**

111141 RUSSIA Moscow 2-oy Proezd Perova Poly 9

Phone 007-495-3055884

Fax 007-495-3055884

E-mail [info@evco.ru](mailto:info@evco.ru)

### **Every Control do Brasil**

Rua Marino Félix 256, 02515-030 Casa Verde São Paulo SÃO PAULO BRAZIL

Phone 0055-11-38588732

Fax 0055-11-39659890

E-mail [info@everycontrol.com.br](mailto:info@everycontrol.com.br)

### **Every Control Norden**

Cementvägen 8, 136 50 Haninge SWEDEN

Phone 0046-8-940470

Fax 0046-8-6053148

E-mail [mail2@unilec.se](mailto:mail2@unilec.se)

### **Every Control Shangai**

B 302, Yin Hai Building, 250 Cao Xi Road, 200235 Shangai CHINA

Phone 0086-21-64824650

Fax 0086-21-64824649

E-mail [evcosh@online.sh.cn](mailto:evcosh@online.sh.cn)

### **Every Control United Kingdom**

Unit 19, Monument Business Park, OX44 7RW Chalgrove, Oxford UNITED KINGDOM

Phone 0044-1865-400514

Fax 0044-1865-400419

E-mail [info@everycontrol.co.uk](mailto:info@everycontrol.co.uk)