



SIELCO
elettronica

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DEVICE LOG Installing manual

The Device Log library is a simple project library developed by Sielco with the scope to simplify the use and to outline the enhanced features of the devices developed. This strong and simple program operates exclusively with modbus protocol and needs a serial asynchronous interface for a proper operation.

In this short manual we will learn you how to install and use this program.

- 1) How to load the zipped file from the web site
- 2) How to install the program
- 3) Configuration of the projects in the program manager
- 4) Execute the program : Run Time

1) Load the zipped file

Click on the "device log" to download the zipped file "Device log.rar" from the web site.

The dimension of the zipped file is 32 Mbyte.

Save it on your computer (example .in the desk top)

Using a previously installed unzip program (Winrar), extract the file in your desktop.

Now click on the extracted Device Log folder.

2) Installing the program

Click on "SET UP" ICON.

The installing sequence will start.

The installing sequence is in Italian language, but later on in the run time projects you can choose the language : English or Italian.

In the next windows proceed clicking on the icon Winlog.

Install the program in "NO" DEMO version.

When program installation is complete you can launch the program directly from the ICON "program manager" in the desktop

Click on program manager to see all the projects developed by Sielco Elettronica and described in the web site that compose the project library of Device Log.

The description and the use of the single SCADA projects are not present in this manual.

The use depends on the single project , you can download the manual of the device for each product directly from the product description .

If you don't have the physical device connected , you can simply see how the projects are organized and what pages have been employed .Go directly to " progetto " then " esegui " : You will enter in Run Time program and the templates of the projects will be visible but there will be no communication . In " supervisione " then " linguaggio " you can change the language from italian to English. In " supervisione " then " templates " you can see the templates pages developed for that project.

3) Configuration of the project.

This operation is necessary when you want to go in run time with the physical device connected.

The following steps must be followed for a correct communication between the PC and the Device. For proper connecting and setting the device , see the Device Manual for the specific device.

a) In the Program Manager , scroll the projects and choose the one you want:

b) Be sure that the name is corresponding to the physical device connected.

c) Click on " progetto " then in " configurazioni " , then in " canali "

Choose the type of Modbus protocol you intended to use (ASCII or RTU) then click in " Opzioni "

A port windows appear that must be fulfilled with the parameters used in serial communication .

Some of these parameters must match with the equivalent ones setted by microswitches in the physical module:

Remember that in any case the device must be set with the physical address "1" in the RS485 BUS , using the microswitches present in each device.

Following tables must be filled with the communication parameters:

RTU PROTOCOL (Must be the same selected by the switches in the Device)

COM PORT	1 ...N	Write the number of the physical port or virtual port connected to the device (Note 1)
Baud Rate	9600/19200	Set the baud rate selected by switches in the device
Parity	None	
Stop bits	1	
Data Bits	8	
Time Out	100	
Query Pause	20	Specify the minimum time between 2 successive requests (Note 2)

ASCII PROTOCOL (Must be the same selected by the switches in the Device)

COM PORT	1 ...N	Write the number of the physical port or virtual port connected to the device (Note 1)
Baud Rate	9600/19200	Set the baud rate selected by switches in the device
Parity	even	
Stop bits	1	
Data Bits	7	
Time Out	100	
Query Pause	20	Specify the minimum time between 2 successive requests (Note 2)

Note 1 : Usually the physical port RS232 COM1 or COM2 if the PC is provided with such types of ports. In this case an external converter RS232 / RS485 must be provided to connect the device. (See the C1-25 description)

If the PC has only USB ports , a converter USB/RS485 must be provided , and a driver must be loaded that assigns a virtual COM port (see the C2-65 description) to the interface .

Note 2 : Lowering the cadence of the requests from master to the device , makes possible a message monitor activity in parallel from a protocol analyzer that can be useful to analyze the real flow of messages to and from the device.

4) RUN TIME

Once these procedures are performed , you can execute the project in run time . Jumping through the pages of the project template , the user can operate with the device and can have a full control of the instrument.

Trends

The device variables can be traced in the monitor . Go to “ Supervisione “ , then “ Grafici “ , then “ Gruppi “ . Previously name a new group and then “ visualizza “ from a gate list the variable you want to trace, (normally : numerical type) . Click on “ Aggiungi “ and then the minimum and maximum scale value for that . On the “ Visualizza “ command the trend will start.