

Energy Data Logger

Installation manual

MyHOME



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1.1 Warnings and recommendations

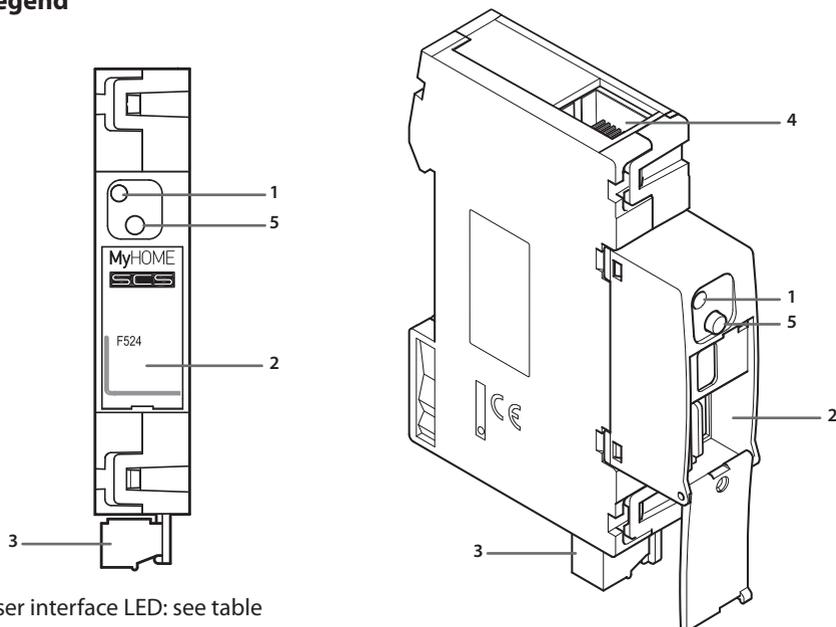
Before proceeding with the installation we recommend that you read the content of this manual very carefully.

The warranty will automatically become void in case of negligence, improper use, and tampering by unauthorised personnel.

1.2 Main functions

The SCS device saves the consumption values in separate energy lines. These lines can be both electric, by connecting Bus meters with 3 inputs for toroids, item F520, or a load management central unit, item F521, and non-electric, by connecting pulse counter interfaces, item 3522. The total number of lines managed cannot exceed 10.

1.3 Legend



- 1 - User interface LED: see table
 2 - MicroSD memory card slot (optional)
 3 - Connection to the SCS BUS
 4 - Ethernet connection
 5 - Reset key:
 – press and hold for 10 seconds to restart the Energy Data Logger;
 – press and hold for 20 seconds to restart the Energy Data Logger , and set the dynamic selection of the IP address.

User interface LEDs table

Red LED flashing slowly and regularly:	no network found; waiting for an address to be assigned.
Green LED flashing slowly and regularly:	device waiting to be configured.
Green LED flashing quickly and regularly:	time on the device not configured.
Green LED flashing slowly and irregularly:	device working and configured.
Red-green LED flashing quickly:	IP or microSD configuration error. Reset, check the configuration, and the microSD memory card model.

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2 Connection

2.1 Wiring diagrams

To put the device into operation, this must be connected following the diagrams below.

Diagram with direct or crossover cable

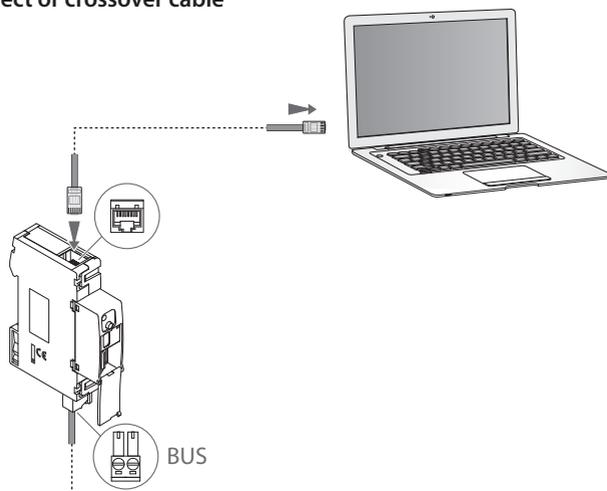
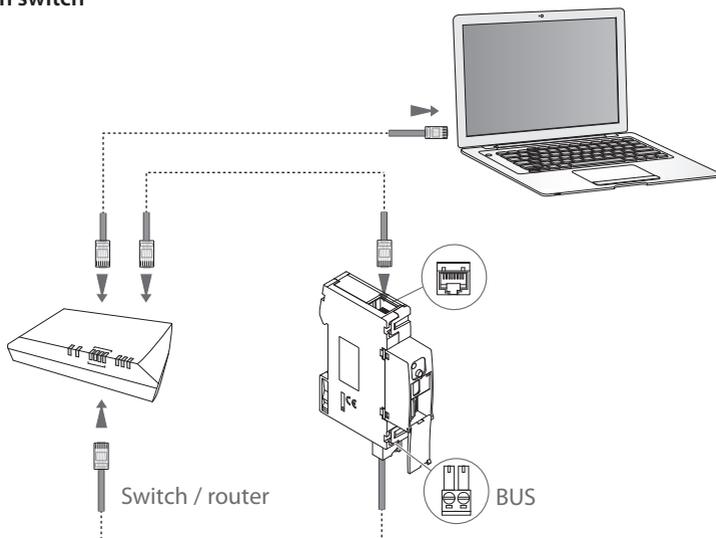


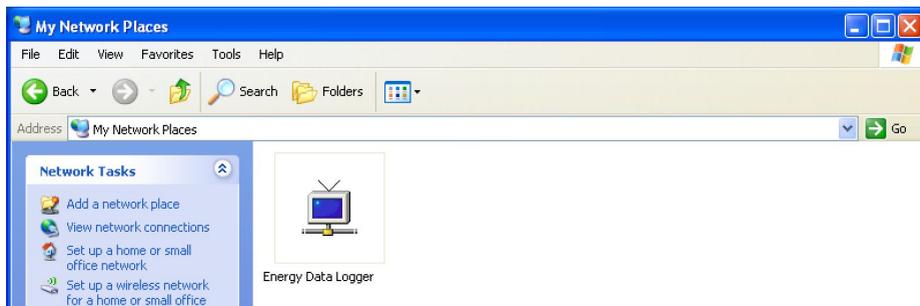
Diagram with switch



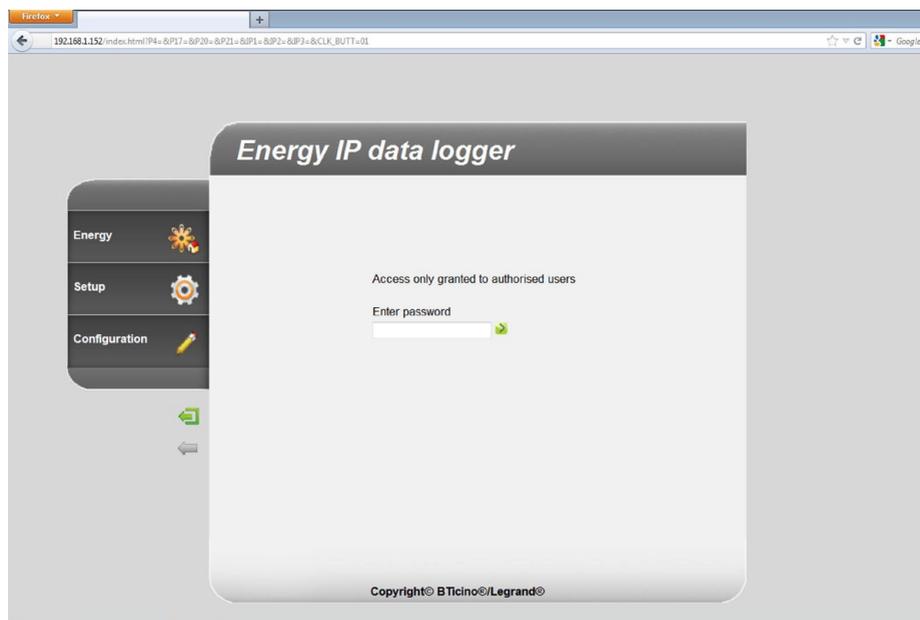
Check that your PC is set for automatic acquisition of the IP address (network parameters); then select the Energy Data Logger device among the network resources.

3.1 Procedure with Windows 2000 or XP operating system

If the connection is correct, it will be possible to display the device in the My Network Places window, with the name "Energy Data Logger".



Double click on the icon to open the configuration WEB page.

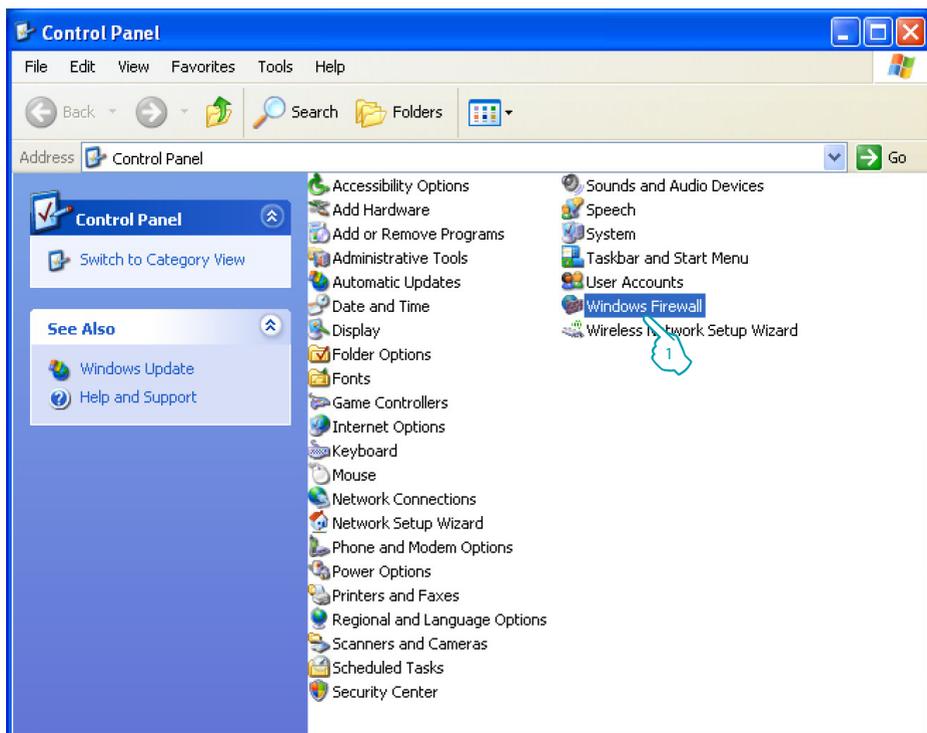


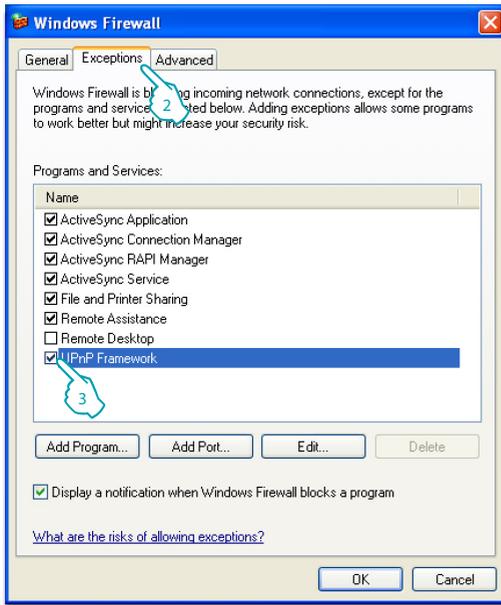
The Web pages can be accessed with two authority levels: "user" and as "administrator". In addition to having access to the same pages as the user, the administrator can also access the "Configuration" function and define some Data Logger parameters. Ask your installer for the access passwords, if this has not already been provided. To learn how to navigate through the web pages refer to the user manual.

If the device is not automatically recognised by the PC, follow the instructions below. To access the configuration page, and display the device IP address, the following parameters must be set:

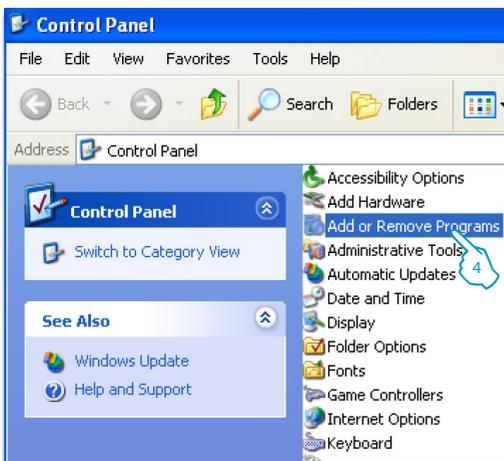
From the **Start / Control panel** menu

1 - Click "**Windows Firewall**".



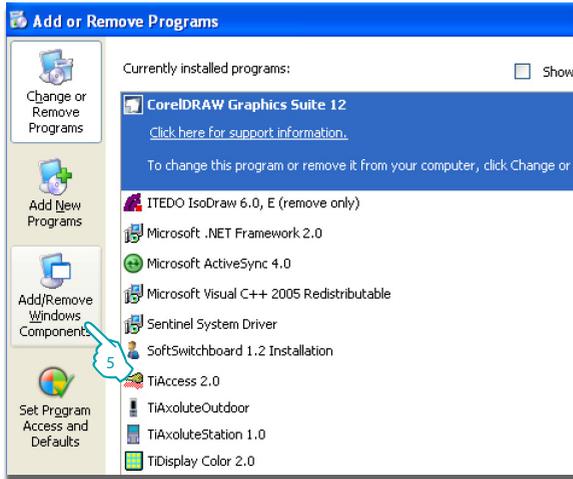


- 2 - Select "Exceptions".
- 3 - Enable "UPnP Framework".

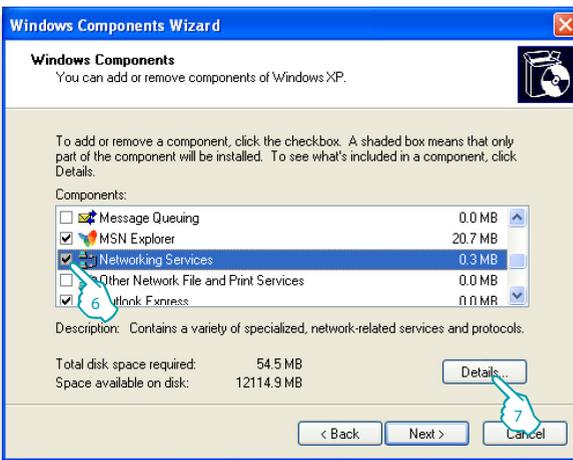


- From the
Start / Control panel menu
- 4 - Click "Add or Remove Programs".





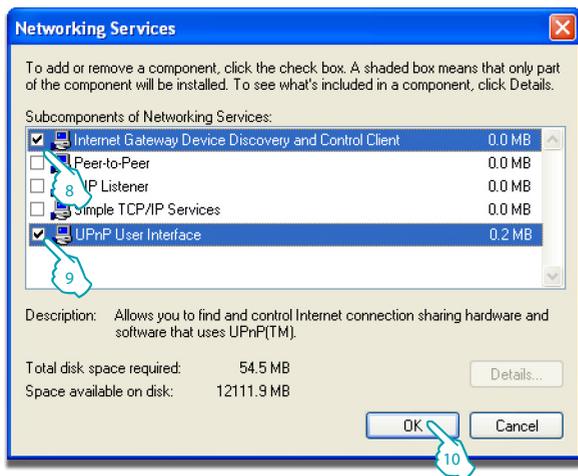
5 - Click "Add/Remove Windows components".



6 - Enable "Networking services"

7 - Click "Details".





8 - Enable "Internet Gateway Device Discovery and Control Client".

9 - Enable "UPnP User Interface".

10 - Click.



11 - Click.



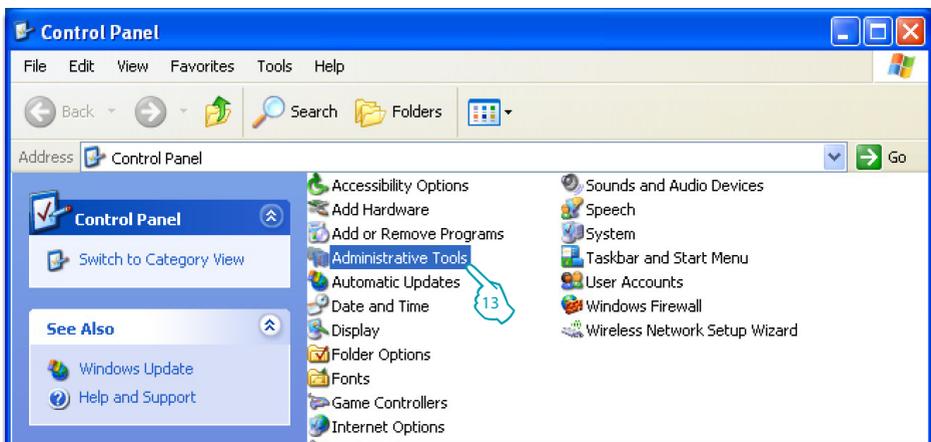


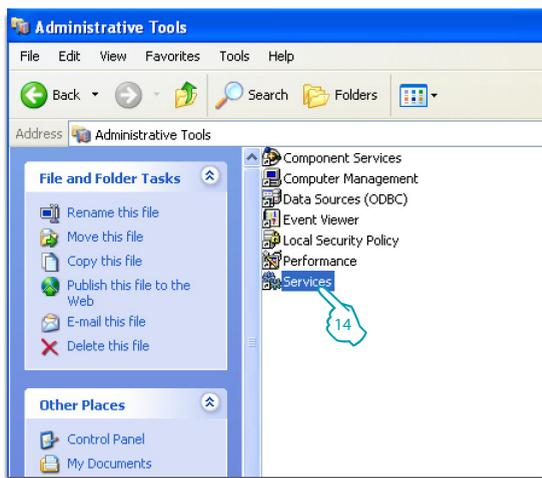
12 - Click "Finish".



From the **Start / Control panel** menu

13 - Click "Administrative Tools".

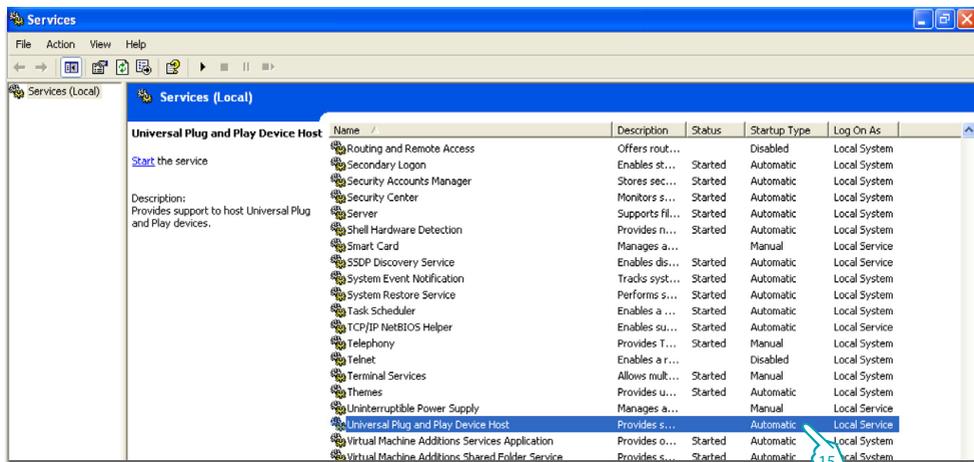


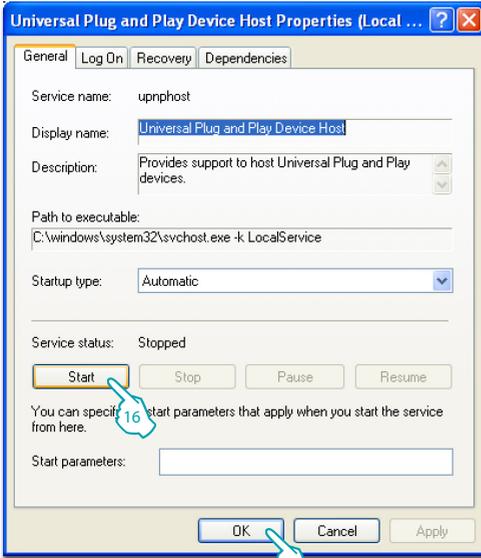


14 - Click "Services".



15 - Set Automatic Startup Type for "Universal Plug and Play Device Host".



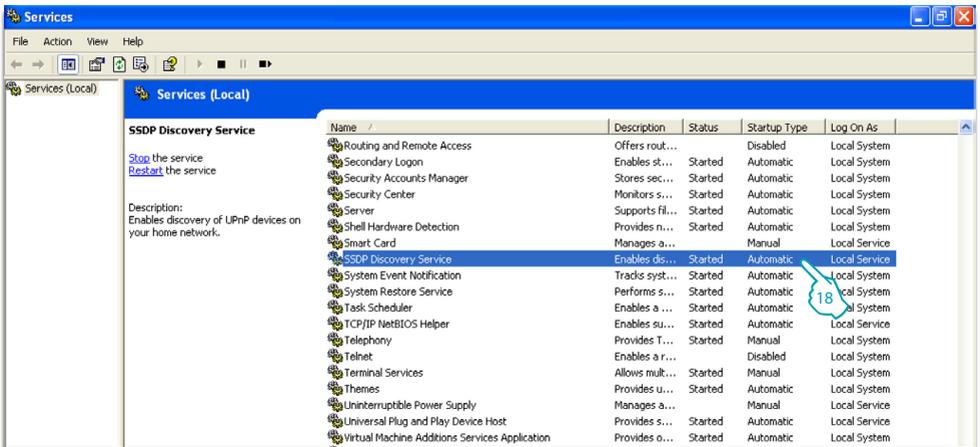


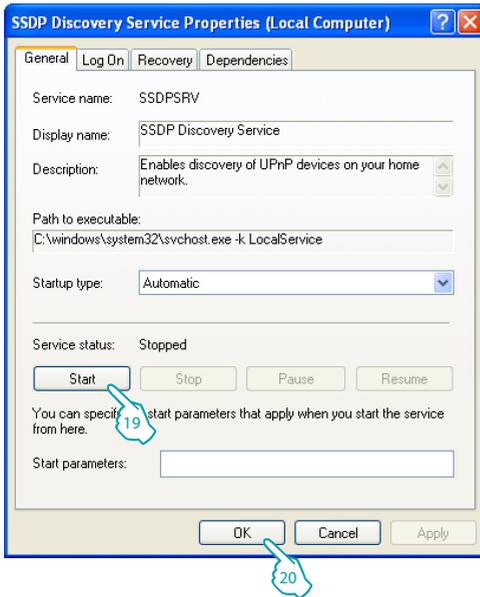
16 - Click "Start"

17 - Click.



18 - Set Automatic Startup Type for "SSDP Discovery Service".



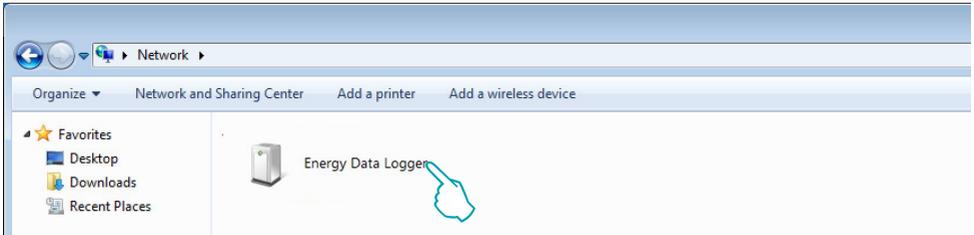


19 - Click "Start".

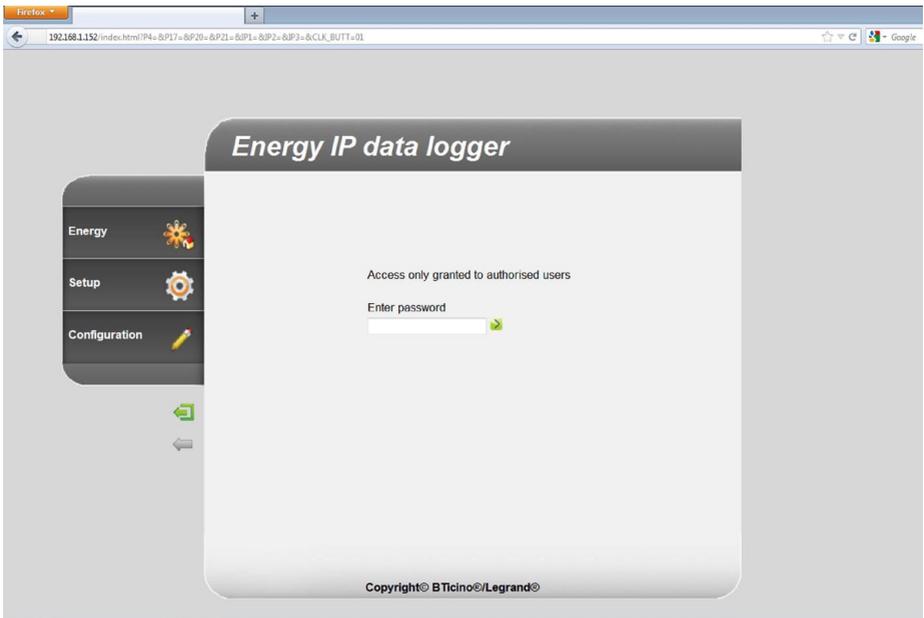
20 - Click.

3.2 Procedure with Windows Vista or 7 operating system

If the connection is correct, it will be possible to display the device in the My Network Places window, with the name "Energy Data Logger".

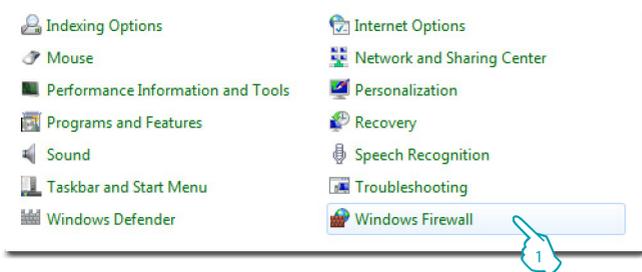


Double click on the icon to open the configuration WEB page.



The Web pages can be accessed with two authority levels: "user" and as "administrator". In addition to having access to the same pages as the user, the administrator can also access the "Configuration" function and define some Data Logger parameters. Ask your installer for the access passwords, if this has not already been provided. To learn how to navigate through the web pages refer to the user manual.

If the device is not automatically recognised by the PC, follow the instructions below. To access the configuration page, and display the device IP address, the following parameters must be set:



From the **Start / Control panel** menu
1 - Click "Windows Firewall".

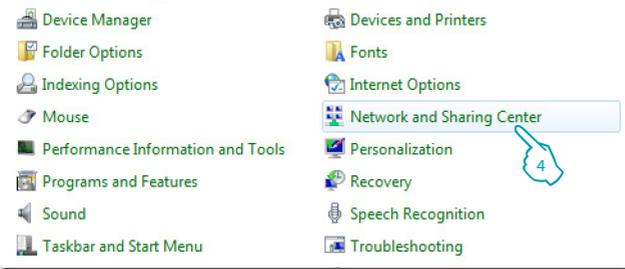


2 - Click "Allow a program or feature through Windows Firewall".

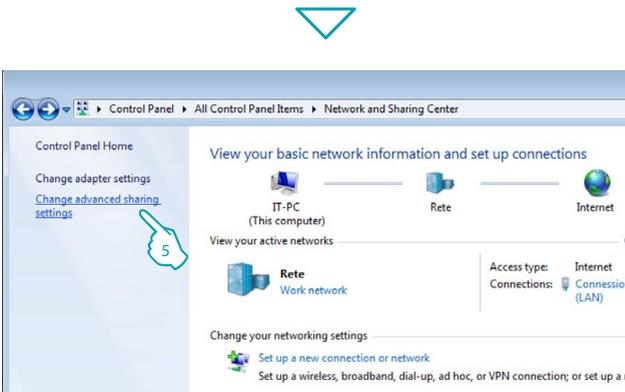
Allowed programs and features:

Name	Home/Work (Private)	Public
<input type="checkbox"/> iSCSI Service	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Media Center Extenders	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Netlogon Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Network Discovery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Performance Logs and Alerts	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Remote Assistance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Remote Desktop	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Remote Desktop - RemoteFX	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Remote Event Log Management	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Remote Scheduled Tasks Management	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Remote Service Management	<input type="checkbox"/>	<input type="checkbox"/>

3 - Enable both Public and Private "Network Discovery".



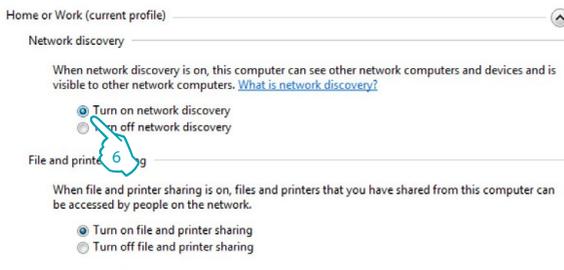
From the Start / Control panel menu
4 - Click "Network and Sharing Center"



5 - Click "Change advanced sharing settings"

Change sharing options for different network profiles

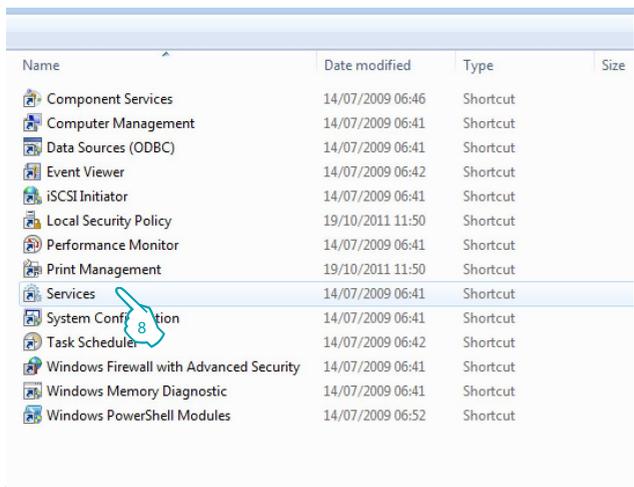
Windows creates a separate network profile for each network you use. You can choose specific options for each profile.



6 - Turn on "Network discovery"



From the Start / Control panel menu
7 - Click "Administrative Tools"



8 - Click "Services".



9 - Set Automatic Startup Type for item "UPnP Device Host" and ensure that it has actually been enabled.

[Stop](#) the service
[Restart](#) the service

Description:
Allows UPnP devices to be hosted on this computer. If this service is stopped, any hosted UPnP devices will stop functioning and no additional hosted devices can be added. If this service is disabled, any services that explicitly depend on it will fail to start.

Health Key and Certificate Management	Provides X.5...	Manual	Local System	
HomeGroup Listener	Makes local...	Manual	Local System	
HomeGroup Provider	Performs ne...	Manual	Local Service	
UPnP Device Host	Allows UPn...	Started	Automatic	Local Service
Human Interface Device Access	Enables gen...	Manual	Local System	
IKE and AuthIP IPsec Keying Modules	The IKEEXT ...	Manual	Local System	
Interactive Services Detection	Enables use...	Manual	Local System	
Internet Connection Sharing (ICS)	Provides ne...	Disabled	Local System	
IP Helper	Provides tu...	Started	Automatic	Local System
IPsec Policy Agent	Internet Pro...	Manual	Network Service	
KtmRm for Distributed Transaction Coordinator	Coordinates...	Manual	Network Service	
Link-Layer Topology Discovery Mapper	Creates a N...	Manual	Local Service	
Media Center Extender Service	Allows Med...	Disabled	Local Service	
Microsoft .NET Framework NGEN v2.0.50727_X86	Microsoft ...	Disabled	Local System	
Microsoft .NET Framework NGEN v4.0.30319_X86	Microsoft ...	Automatic (Delay...	Local System	
Microsoft iSCSI Initiator Service	Manages in...	Manual	Local System	
Microsoft Software Shadow Copy Provider	Manages so...	Manual	Local System	



UPnP Device Host Properties (Local Computer)

General | Log On | Recovery | Dependencies

Service name: upnphost
Display name: UPnP Device Host
Description: Allows UPnP devices to be hosted on this computer. If this service is stopped, any hosted UPnP devices

Path to executable:
C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation

Startup type: Automatic

[Help me configure service startup options.](#)

Service status: Stopped

Start Stop Pause Resume

You can specify **10** start parameters that apply when you start the service from here.

Start parameters:

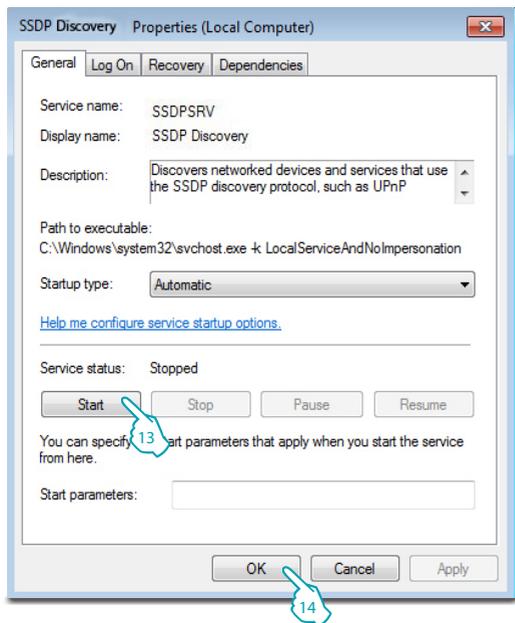
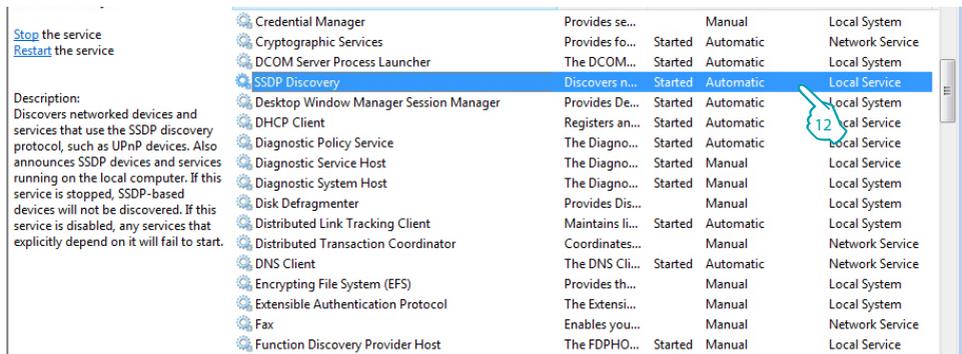
11 OK Cancel Apply

10 - Click "Start".

11 - Click.



12 - Set Automatic Startup Type for item "SSDP Discovery" and ensure that it has actually been enabled.



13 - Click "Start".

14 - Click.

3.3 Procedure for Tablet and Smartphone

If viewing the pages using a Tablet or a Smartphone, it is recommend to set fixed IP and IP mask; in alternative, use an application for the identification of UPnP devices.

3.4 Troubleshooting

Problem	Solution
When directly connected to the PC, the device cannot be displayed among the system resources.	Power the device by pressing and holding down the reset key until the red LED starts flashing: initialisation of the device will start, and the following parameters will be set: IP address: 192.168.1.5 IP Mask: 255.255.255.0 It will now be possible to connect to the device and reconfigure the parameters.
The device web pages are not correctly displayed	<ol style="list-style-type: none">1. In the browser parameters enable "Compatibility mode";2. Delete the browser history, including, including "Temporary files/cache".

Note: the device has been tested with the following browser versions:

Internet Explorer	7 (on Windows XP) and 9 (on windows 7)
Google Chrome	19.0.1084.56
Safari	5.1.7
Mozilla Firefox	12
Opera	11.64

4.1 Technical data

Power supply from BUS	18 – 27 Vdc
Assorbimento	30 mA (max)
Operating temperature	5 – 45 °C

TECHNICAL AFTER-SALES SERVICE

Legrand SNC only accepts responsibility for perfect device operation if it is installed to the state of the art respecting the indications of the product installation manual.

www.legrand.com

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