

Product startup: G-30 + DIGIWARE C31 - U30 - 3xI35

Date: 26/09/2014

From: ADY

Verified by:

To: All

Copy to :

The purpose of this document is to explain the setup steps in "point to point" mode or via a Diris Digiware system gateway:



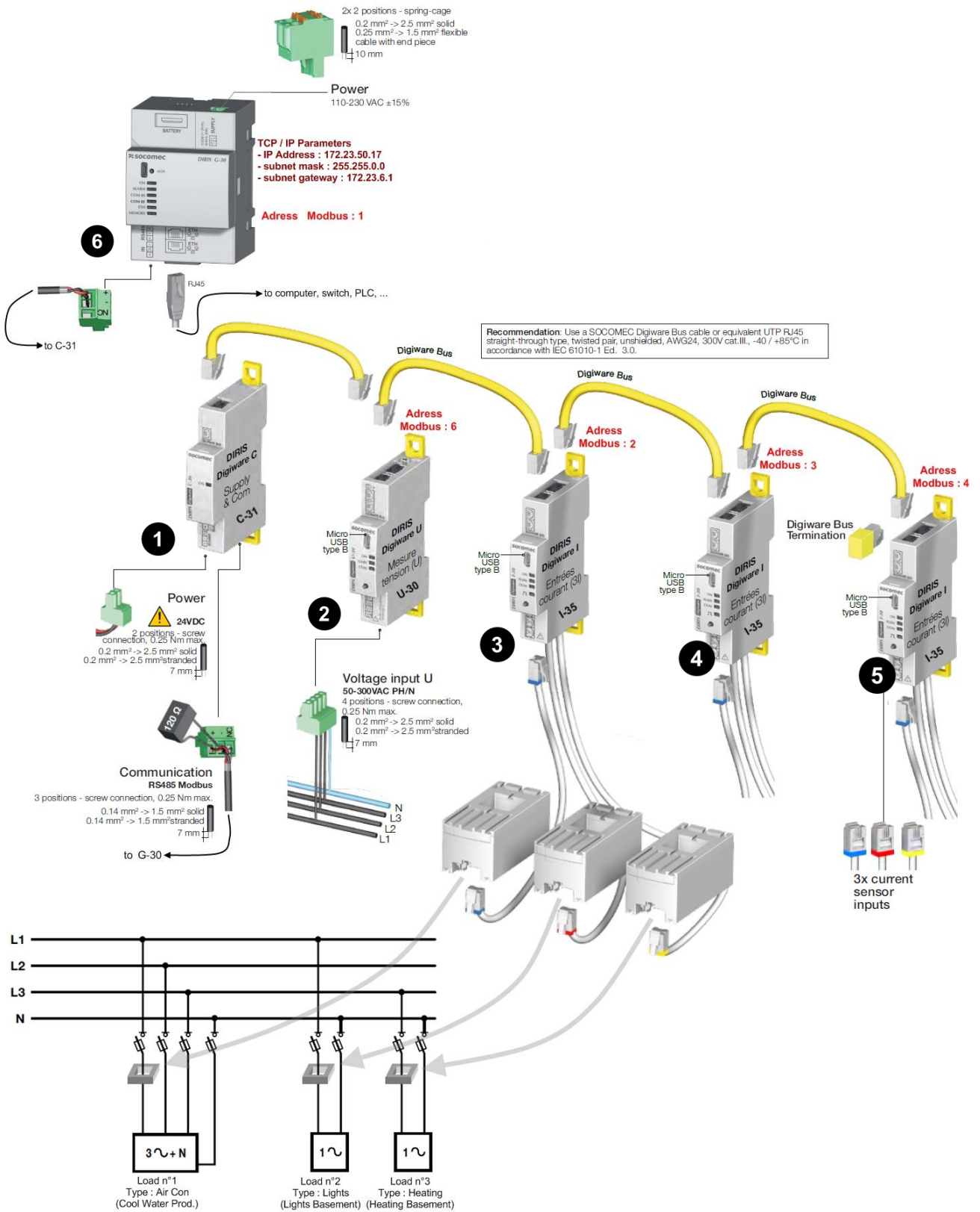
- 1 DIGIWARE C-31 control interface
- 1 DIGIWARE U-30 voltage module (same steps as for U-10 and U-20)
- 3 DIGIWARE I-35 current modules (same steps as for I-30, I-31 and I-33)

All linked to a G-30 communication gateway (same steps as for G-50)

Prerequisite hardware for using this guide:

- You must have the latest version of Easy Config, the setup software for these products
- You must have a PC equipped with USB ports and a micro USB cable
- You must be able to guarantee the implementation, connection and the power of the system to be configured as shown in the first section.

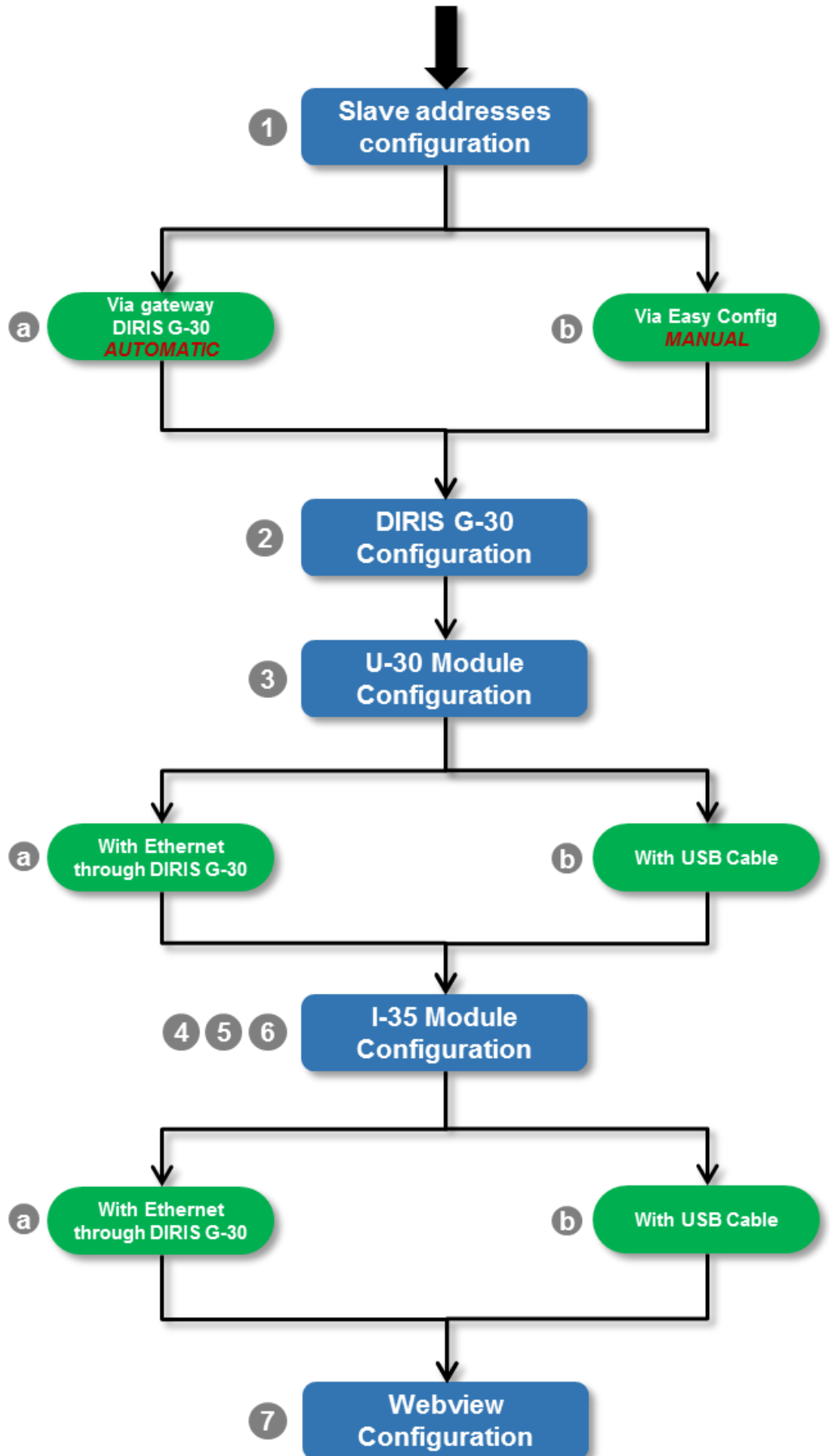
Architecture to configure:



Synthesis of the electrical and communication parameters:

N°	Product Type	Modbus Address	TCP/IP Parameters	Electrical Network Type	Loads				
					Name	Type	Usage	nominal current	Phase(s)
DIGIWARE	C-31	/	/	3P+N Network (4 wires) 400 Volts	/	/	/	/	/
	U-30	6	/		/	/	/	/	/
	I-35 n°1	2	/		Cool Water Prod.	3-phases balanced 400V	Air Con	60 A	V1-V2-V3
					Lights Basement	1-phase 230V	Lighting	20 A	V1
					Heating Basement	1-phase 230V	Heating	35 A	V3
I-35 n°2	3	/	Other loads		
I-35 n°3	4	/	Other loads		
GATEWAY	G-30	1	IP : 172.23.50.17 mask : 255.255.255.0 gateway : 172.23.6.1	/	/	/	/	/	

Setup progress overview:



The overview opposite shows the steps you need to take to set up the system from A to Z.

All the steps in blue are mandatory.

When you get to a green step, follow just one of the 2 options shown (a or b)

Note: for each step, we recommend following option "a"

1) Configuring slave addresses

Not only can the DIRIS G gateway automatically scan the communication bus to find connected slaves, it can also auto-address the slaves it finds by automatically assigning them a new address.



Each JBUS/MODBUS slave must have a unique address on the bus so it can be identified by the master (the DIRIS G gateway). This unique address is a number chosen at random between 1 and 247.



The default JBUS/MODBUS address of a product is as follows:

- Modules U-10, U-20, U-30: Address 006
- Modules I-30, I-31, I-33, I-35, I-45, I-60, I-61: Address 005



The system can auto-scan to find previous SOCOMEC measurement products (DIRIS A, COUNTIS E, COUNTIS Eci), but it is not possible to auto-address them. As such, if these older products are located downstream of a DIRIS G-30 gateway, you first need to manually assign them unique addresses.

You can auto-scan and auto-address on the communication bus in two different ways:

- Via the front panel button of the DIRIS G-30 gateway
- In Easy Config itself



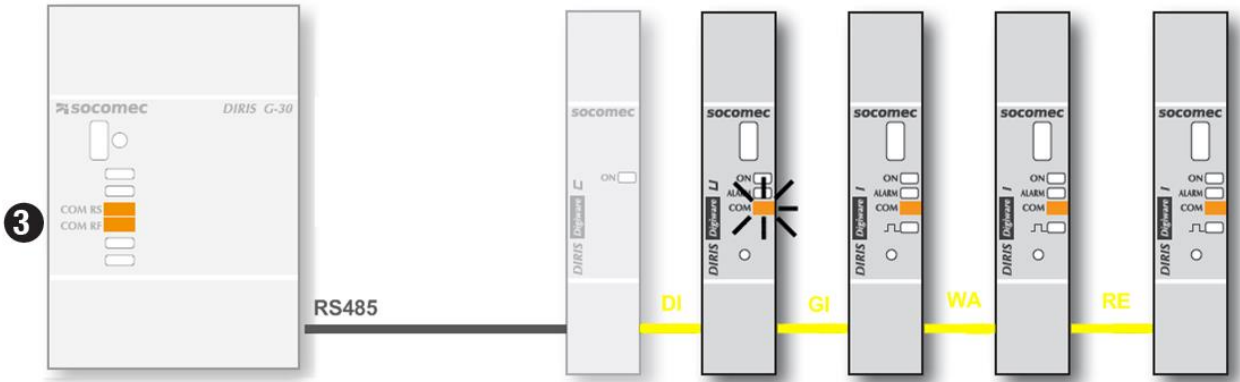
This means, with a U-30 + 3x I-35 configuration, there will be 3 slaves with the same address. Resolve this address conflict by assigning new addresses to the 3 I-35 modules.

a. Auto-scanning and auto-addressing via the front panel of the DIRIS G-30

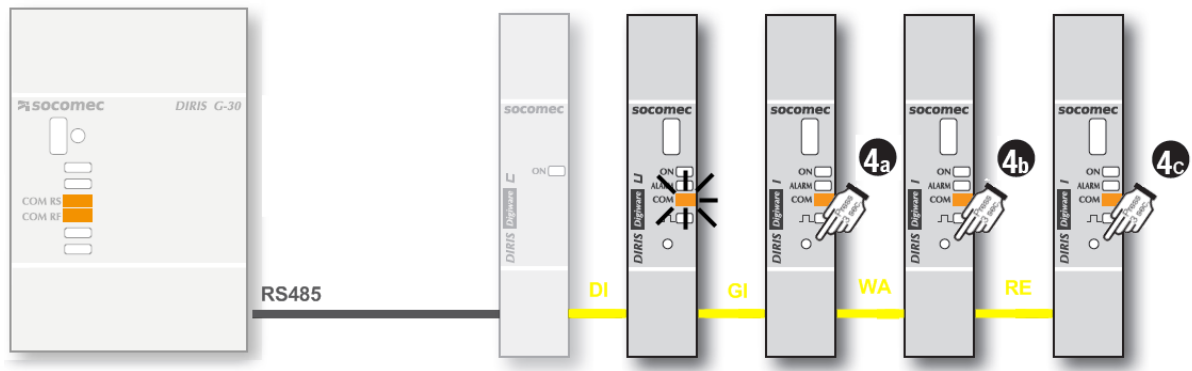
- **1** Press and hold down the button on the DIRIS G-30 for 3 seconds to start the auto-scanning sequence on the communication bus
- **2** The two COM LEDs flash for the duration of the scan (maximum 3 minutes):



- **3** Wait until the end of the scan, i.e. when the two COM LEDs on the DIRIS G-30 stop flashing:



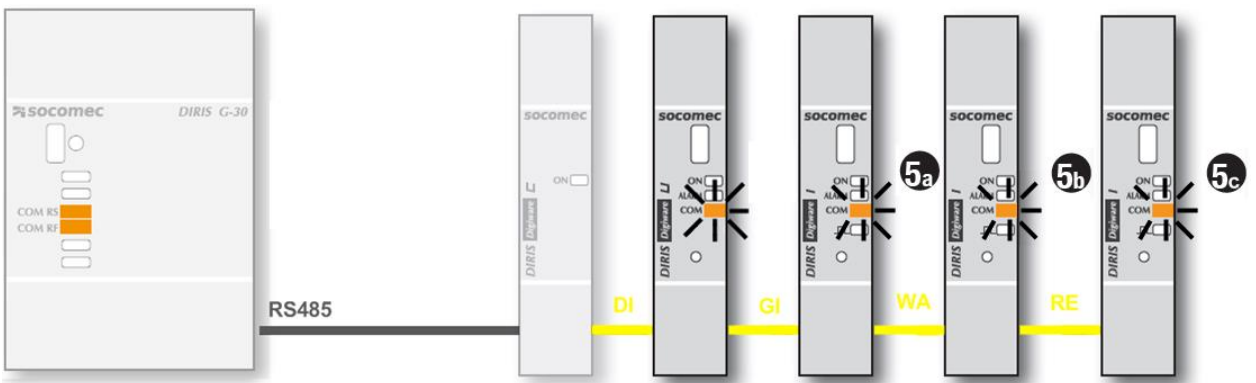
- **[4]** Automatically address all the slaves whose COM LEDs are not flashing, by pressing and holding down their button for 3 seconds (until their COM LED starts flashing). There is no need to press the button on a slave whose COM LED is flashing, because they already have a unique JBUS/MODBUS address on the bus:



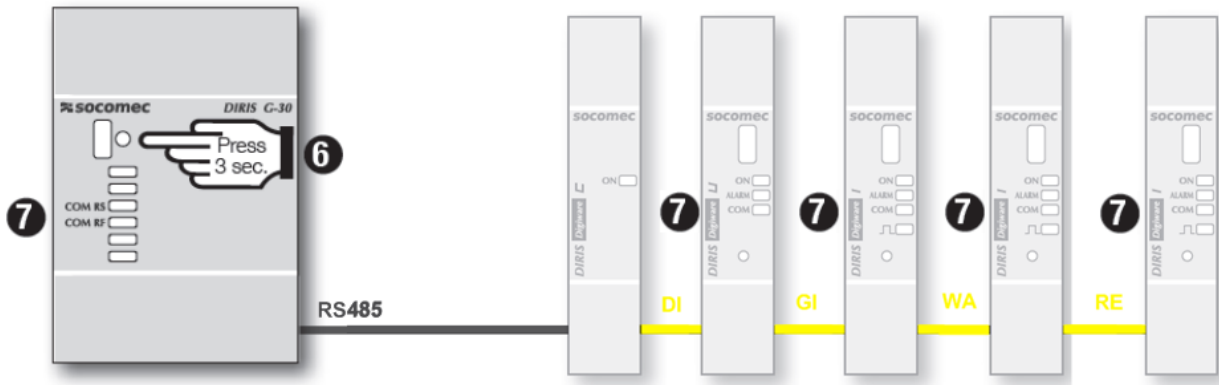
i In our example, after the auto-scan, as the three I-35 modules are at default address 5, their COM LEDs should not be flashing, and the U-30 LED should be flashing.

i Press the button on the slave for 3 seconds after an auto-scan to request a new free address on the bus to gateway DIRIS G-30.

- **[5]** Check that all slaves now have their COM LED flashing:

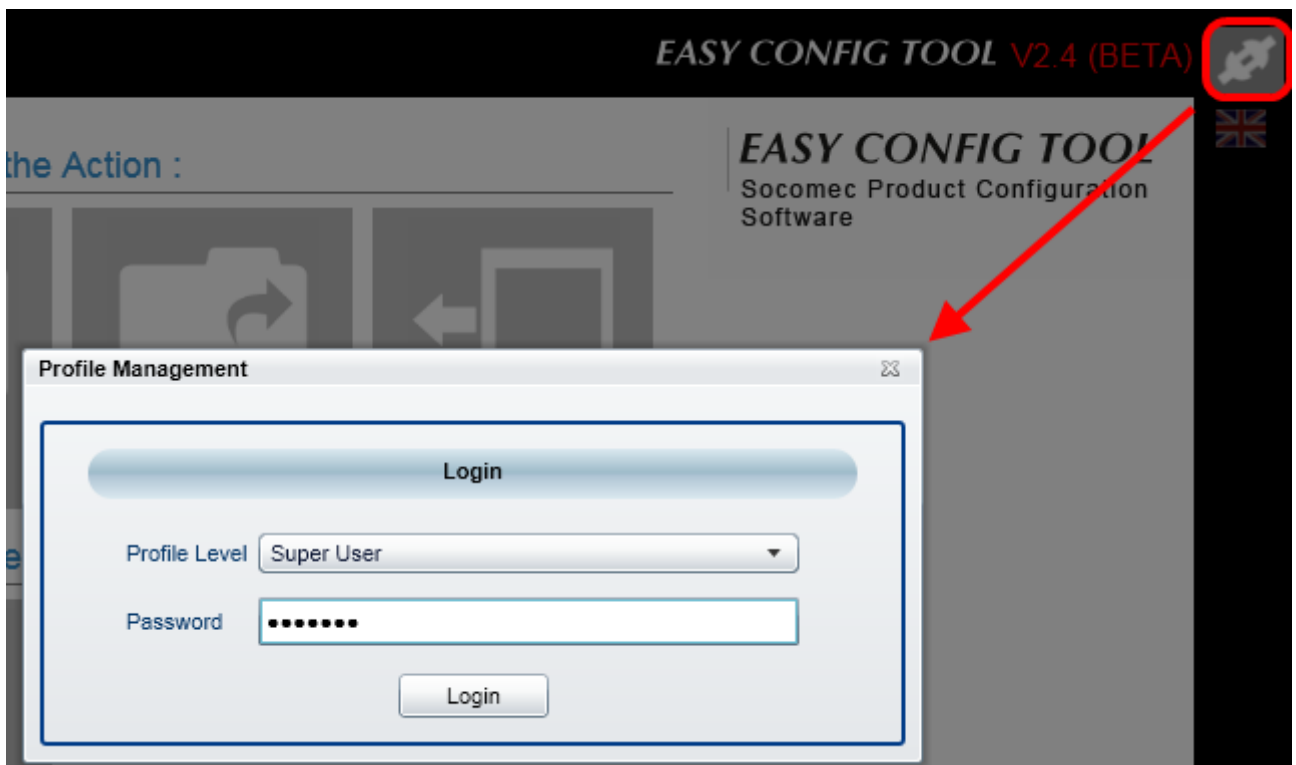


- **(6)** Complete the auto-scan/address by pressing the button on gateway DIRIS G-30 for 3 seconds, **(7)** the two COM LEDs on the gateway turn off **(7)** as well as the COM LEDs on the slaves:



b. Auto-scanning and auto-addressing in Easy Config

- Connect the micro USB cable between the DIRIS G-30 and the PC
- Open Easy Config
- Switch profiles in Easy Config and go to the "Super User" profile (default password: sOcOmeC)

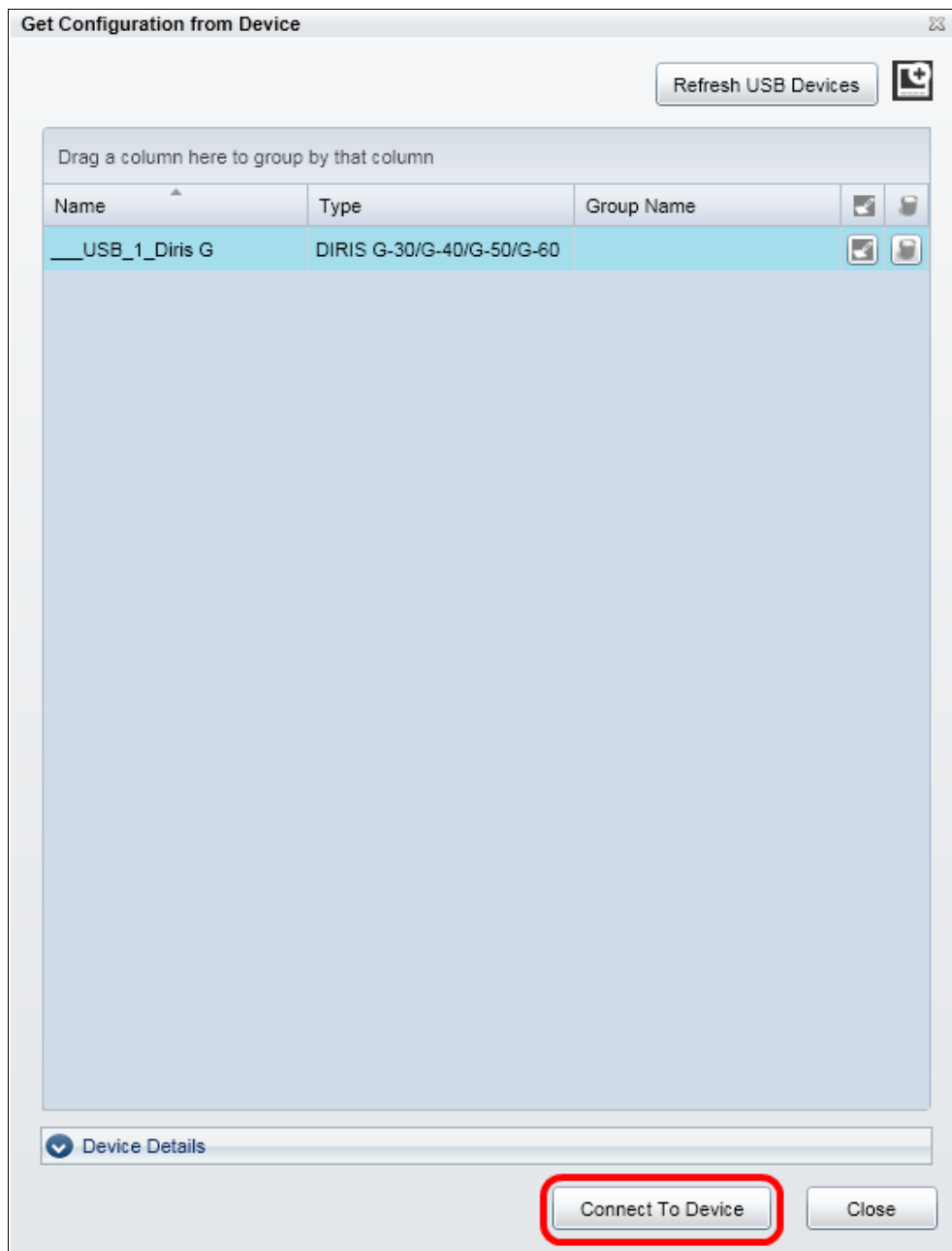


- Click "Get from device":



The DIRIS G-30 gateway module is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":



- Go to the "Device detection" tab and click "New discovery":

The screenshot shows the Socomec web interface with the 'Device Detection' tab selected. The top navigation bar includes icons for IP Address, Date / Time, E-mail, Alarms, RF, I/O, Device Detection, and Final Action. Below the navigation bar, the device model 'DIRIS G-30/G-40/ G-50/G-60' is displayed. The main content area is titled 'Devices Discovery' and contains the text: 'This process will detect devices plugged behind gateway. It will take 3 minutes.' A 'New Discovery' button is highlighted with a red box. Below this, the 'Detected Running Devices' section is visible, featuring a table with columns: Name, Type, Address, Device ID, and Identification. The table is currently empty.

- Wait for the end of the process. The communication bus is being auto-scanned. This takes around 3 minutes:

The screenshot shows the Socomec web interface with the 'Device Detection' tab selected. The top navigation bar and device model 'DIRIS G-30/G-40/ G-50/G-60' are the same as in the previous screenshot. The main content area is titled 'Devices Discovery' and contains the text: 'This process will detect devices plugged behind gateway. It will take 3 minutes.' A 'New Discovery' button is visible but disabled. Below this, the 'Detected Running Devices' section is visible, featuring a table with columns: Name, Type, Address, Device ID, and Identification. A 'Please wait.....' progress bar is displayed in the center of the table area, indicating that the auto-scanning process is in progress.



While the bus is being scanned, the DIRIS G-30 gateway scans all the communication bus addresses and finds all the connected slaves. Easy Config then shows all those with a unique address in the "Detected Running Devices" list, and all those with an address conflict in the "Detected Conflicted Devices" list.

- At the end of the scan, the list of slaves appears. You have to change the JBUS/MODBUS addresses of conflicting slaves:

The screenshot shows the 'Easy Config' software interface. At the top, there is a navigation bar with icons for IP Address, Date / Time, E-mail, Alarms, RF, I/O, Device Detection, and Final Action. Below this, the 'DIRIS G-30/G-40/ G-50/G-60' device is selected. The main interface is divided into three sections:

- Devices Discovery:** A section with a 'New Discovery' button and a message: 'This process will detect devices plugged behind gateway. It will take 3 minutes.'
- Detected Running Devices:** A table listing discovered devices. One device is shown:

Name	Type	Address	Device ID	Identification
Product_6	DIRIS Digiware U-30	6	DABC73	<input type="button" value="Blink"/>
- Detected Conflicted Devices:** A table listing devices with address conflicts. A red box highlights the following data:

Device ID	Address
E021BE	5
0175D2	5
EEBF71	5

 Below this table is a 'Send New Addresses' button.

- Select each conflicting slave and changed its address to a number between 2 and 247, then click "Send New Addresses":



You cannot assign address JBUS/MODBUS number 1 to a slave, because this address is reserved for the DIRIS G-30 gateway.



In our example, module U-30 is already at address 6, so you cannot assign address 6 to any of the three I-35 modules in conflict. As such, in our example we randomly choose 2,3 and 4.



The "Device ID" column shows us which product is selected. The "Device ID" is written on the front of every product.

**DIRIS G-30/G-40/
G-50/G-60**

IP Address | Date / Time | E-mail | Alarms | RF | I/O | Device Detection | Final Action

Devices Discovery
 This process will detect devices plugged behind gateway. It will take 3 minutes.
 [New Discovery]

Detected Running Devices

Name	Type	Address	Device ID	Identification
Product_6	DIRIS Digiware U-30	6	DABC73	[Blink]

Detected Conflicted Devices

Device ID	Address
E021BE	2
0175D2	3
EEBF71	4

[Send New Addresses]

- Wait until the change of addresses is successfully applied to all slaves. This takes 2 to 3 minutes. Then check that all the slaves are included in the "Detected Running Devices" list:

**DIRIS G-30/G-40/
G-50/G-60**

IP Address | Date / Time | E-mail | Alarms | RF | I/O | Device Detection | Final Action

Devices Discovery
 This process will detect devices plugged behind gateway. It will take 3 minutes.
 [New Discovery]

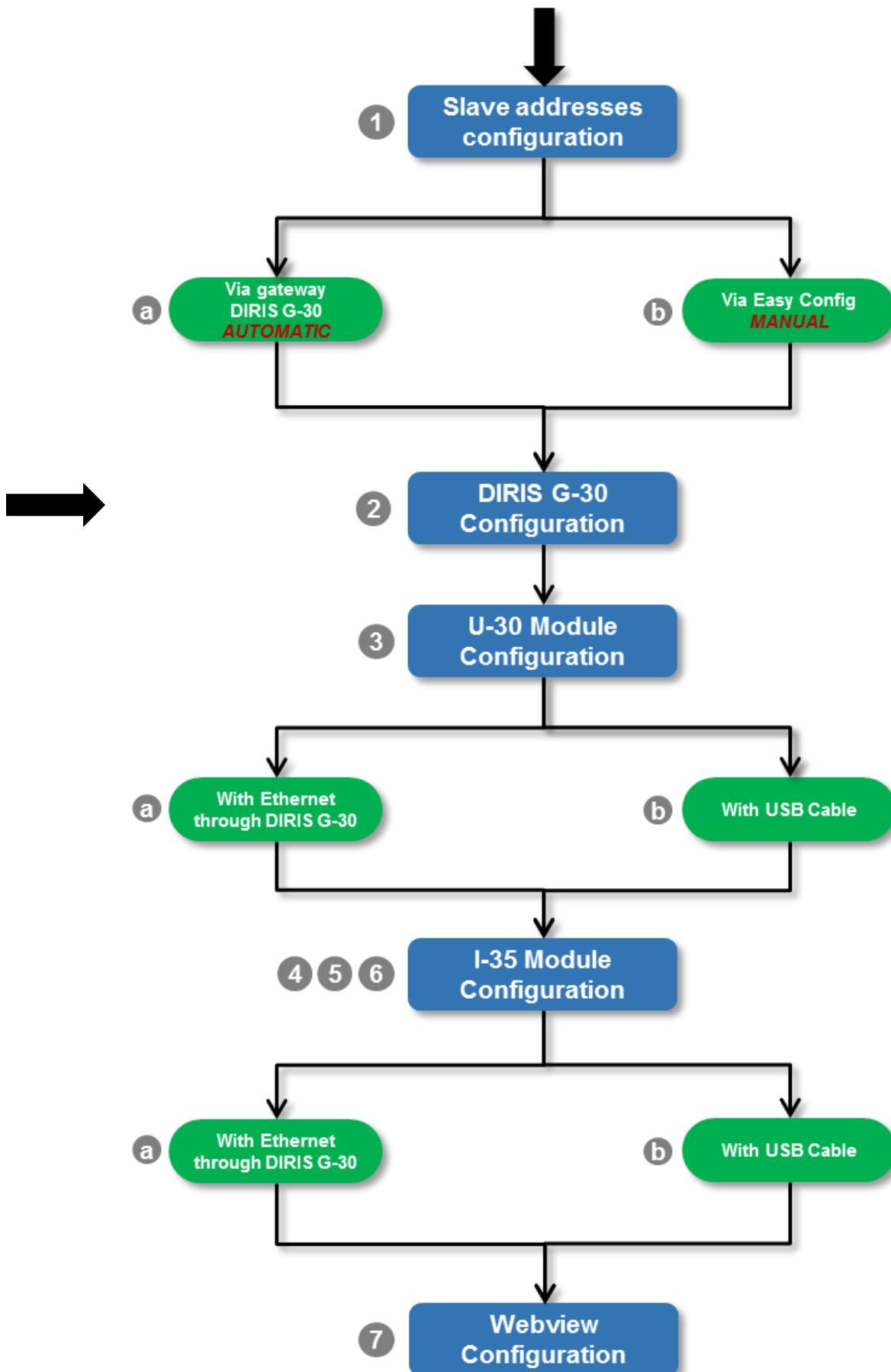
Detected Running Devices

Name	Type	Address	Device ID	Identification
Product_6	DIRIS Digiware U-30	6	DABC73	[Blink]
Product_2	DIRIS Digiware I-35	2	E021BE	[Blink]
Product_3	DIRIS Digiware I-35	3	0175D2	[Blink]
Product_4	DIRIS Digiware I-35	4	EEBF71	[Blink]

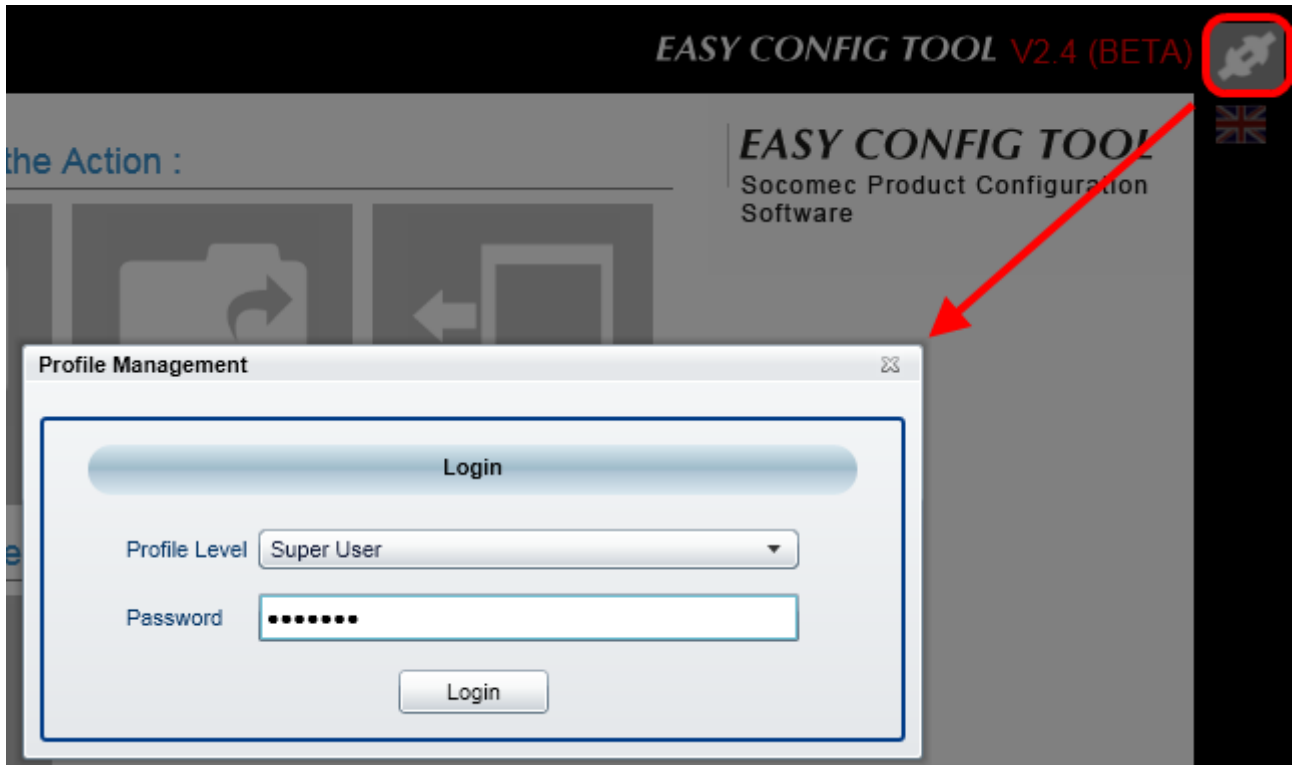


To identify slaves, make the product of your choice flash by clicking the "Blink" button.

2) Configuring the DIRIS G-30 gateway via the USB cable



- Connect the micro USB cable between the DIRIS G-30 and the PC
- Open Easy Config
- Switch profiles in Easy Config and go to the "Super User" profile (default password: sOcOmec)

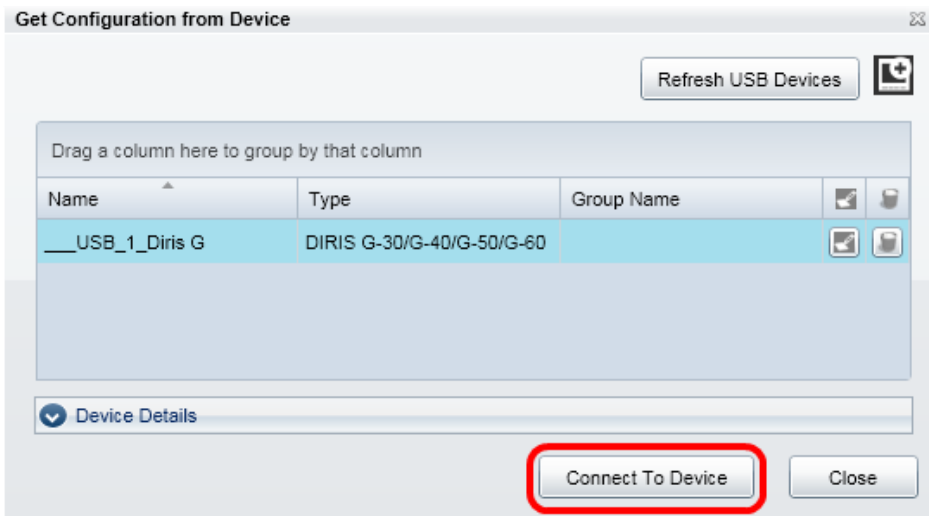


- Click "Get from device":



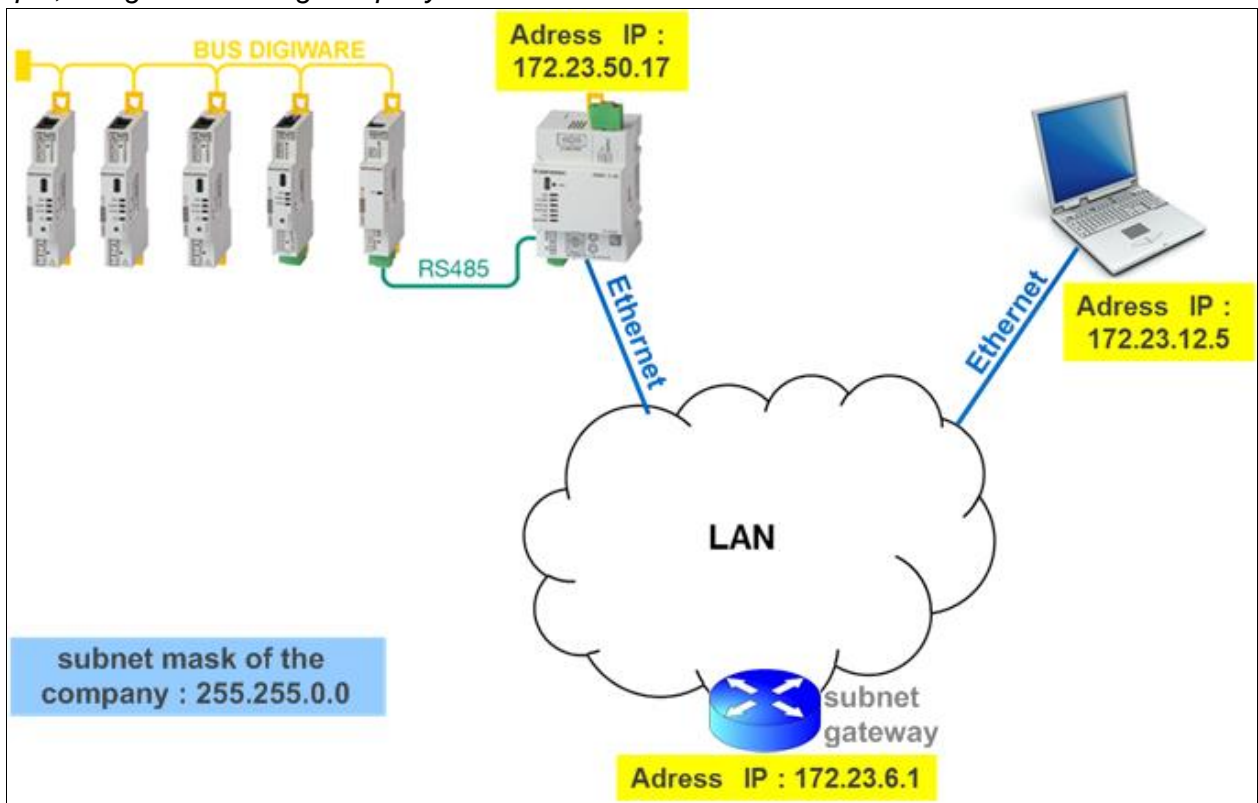
The DIRIS G-30 gateway module is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":




- On the "IP address" tab, change the TCP/IP settings (IP address, subnet mask and gateway), based on the properties of your local network.
You can usually get this information from your IT department.

Example, using the following company network :



In this example, the company network has the subnet mask 255.255.0.0. So that computers can communicate with the DIRIS G-30 gateway, it must be in the same subnet with the same mask.



DIRIS G-30/G-40/
G-50/G-60

IP Address Date / Time E-mail Alarms RF I/O Device Detection Final Action

Product Identification

Name: DIRIS G

Description: SOCOMEC

Send to Device

Identification: 00174AB8048A903

Type: G50-G60

Firmware Version: 1.1

IP Configuration

DHCP: No

IP Address: 172.23.50.17

Subnet Mask: 255.255.0.0

Gateway: 172.23.6.1


Address: 1


Baud Rate: 38400

Stop Bits: 1

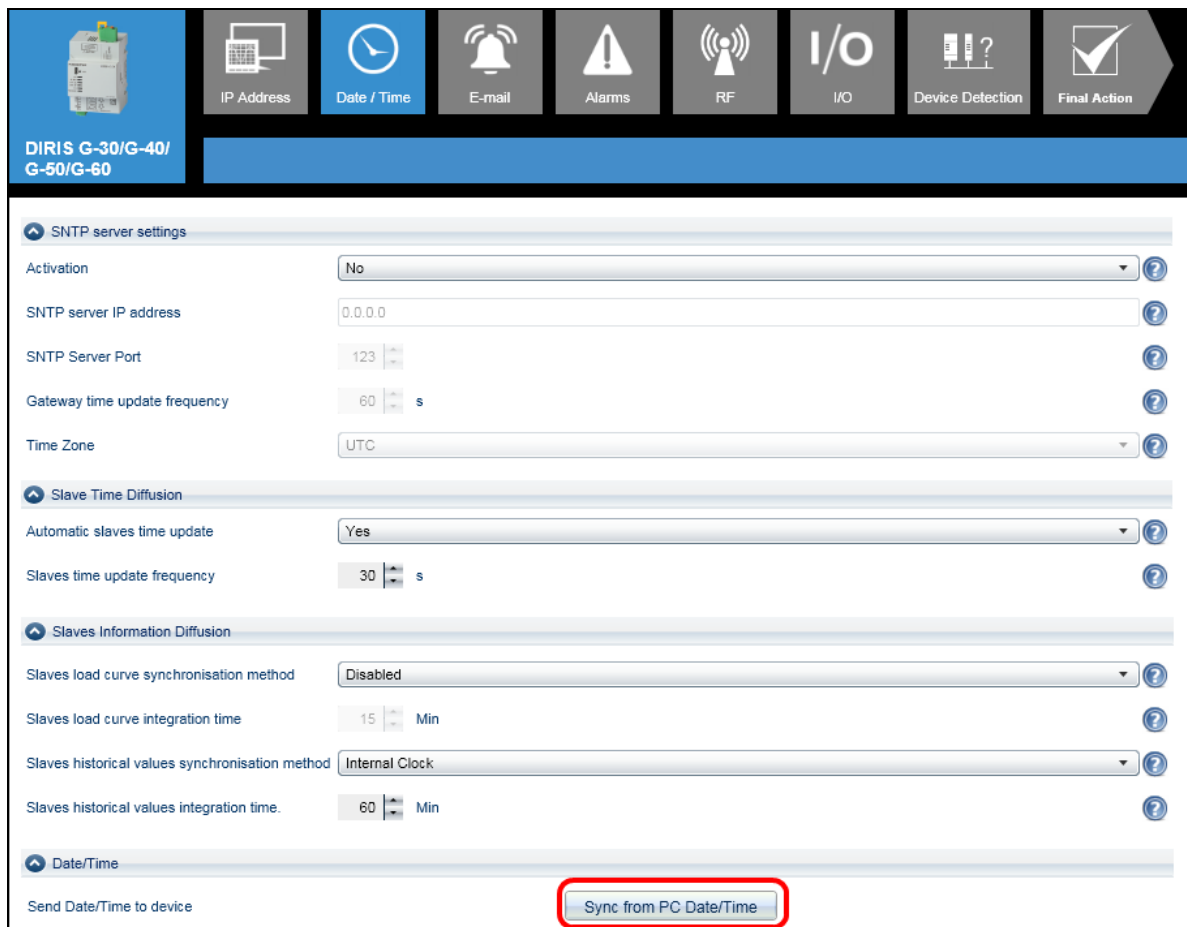
Parity: None

Time Out: 250 ms

 Setting "DHCP" to "Yes" automatically assigns an IP address to the gateway, instead of you having to enter it manually. This method only works if there is a DHCP server on the network. We recommend disabling this function and entering the TCP/IP parameters manually.

 Despite having a MODBUS slave address, the G-30 gateway is the master on the RS485 bus. We recommend not changing its address from the default, which is "1".

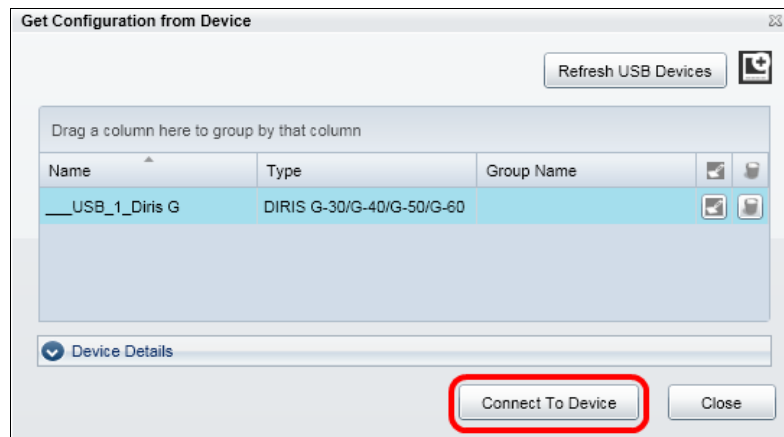
- On the "Date/time", click on button "Synchronise with date/time of PC" so that the gateway is set to the correct date and time:



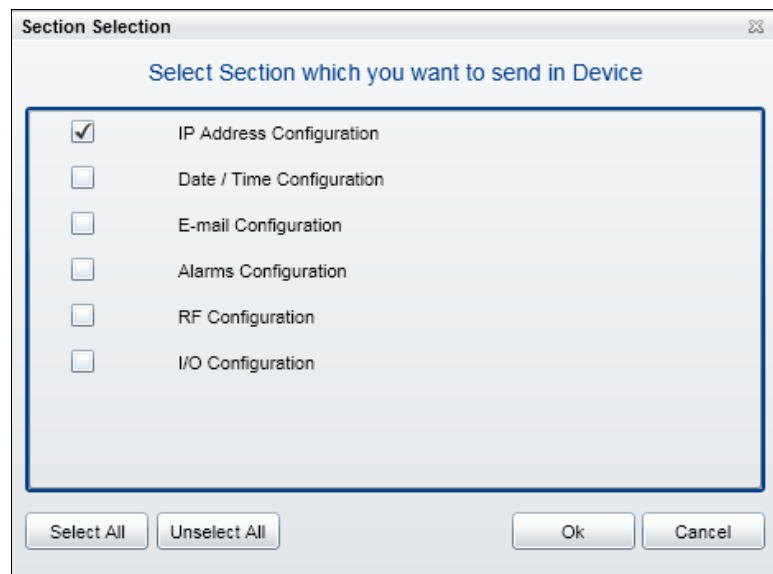
- Apply the setup changes to the product by clicking "Final action" then "Send to device":



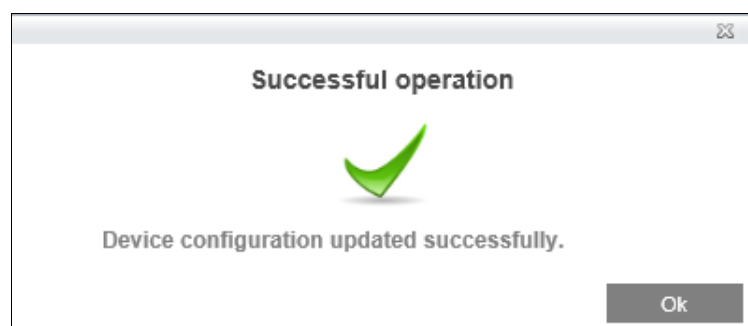
- Make sure G-30 USB is selected in the list then click "Connect to device":



- By default, Easy Config only checks those settings that were changed. This avoids having to resend the entire configuration to the device:

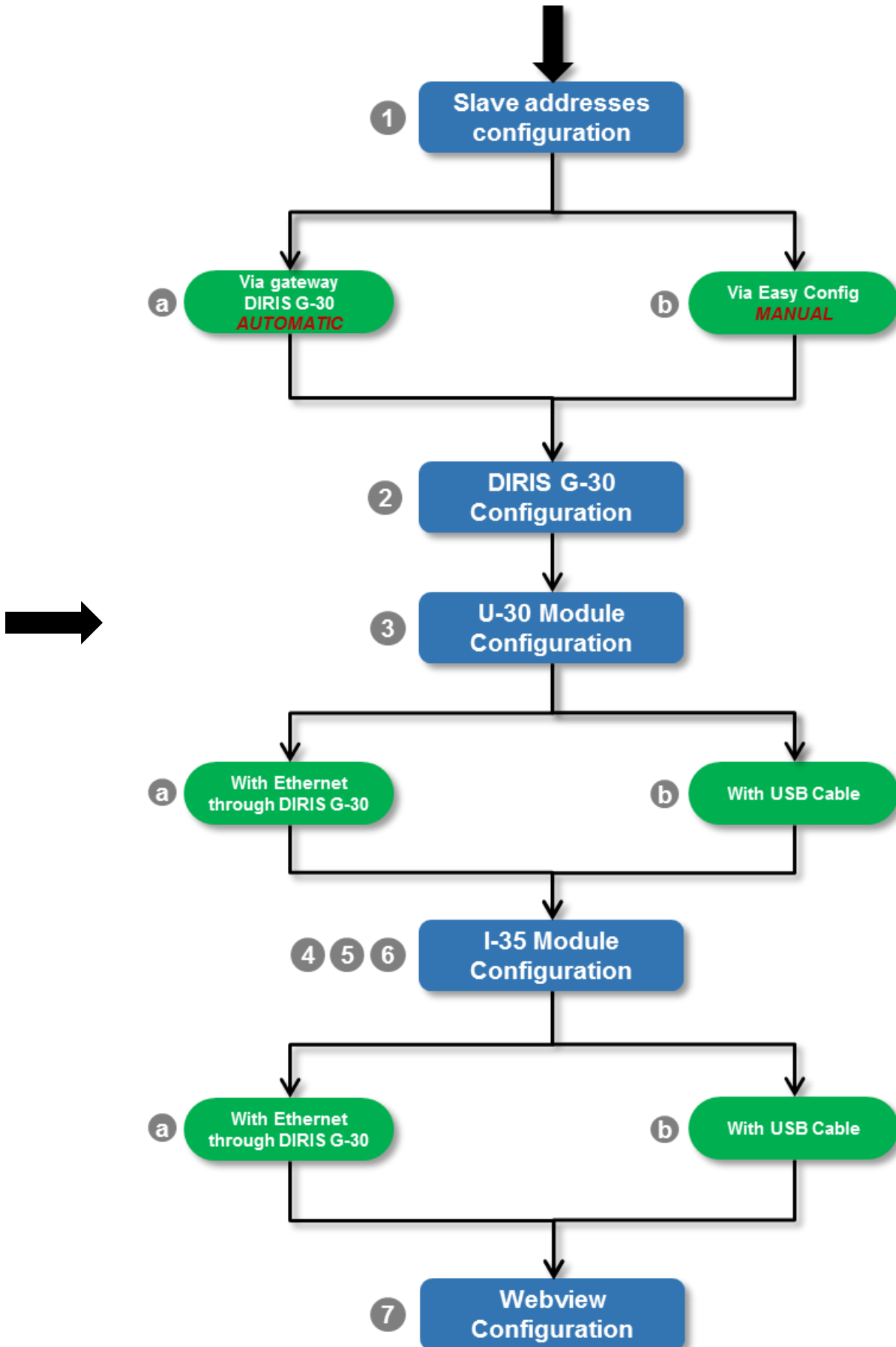


- A warning message appears, showing that the operation completed successfully:



- Disconnect the micro USB cable.
- Connect an Ethernet cable from the DIRIS G-30 gateway to your company's local area network or directly to your PC (if the PC has its TCP/IP settings configured correctly).

3) Configuring the DIGIWARE U-30 module






We recommend that you first configure the U voltage module before the I modules, as the module U setup is applied to every I module on the DIGIWARE bus.



Module U-30 must be placed on the DIGIWARE bus first, i.e. just after C-31 and just before current modules I-xx



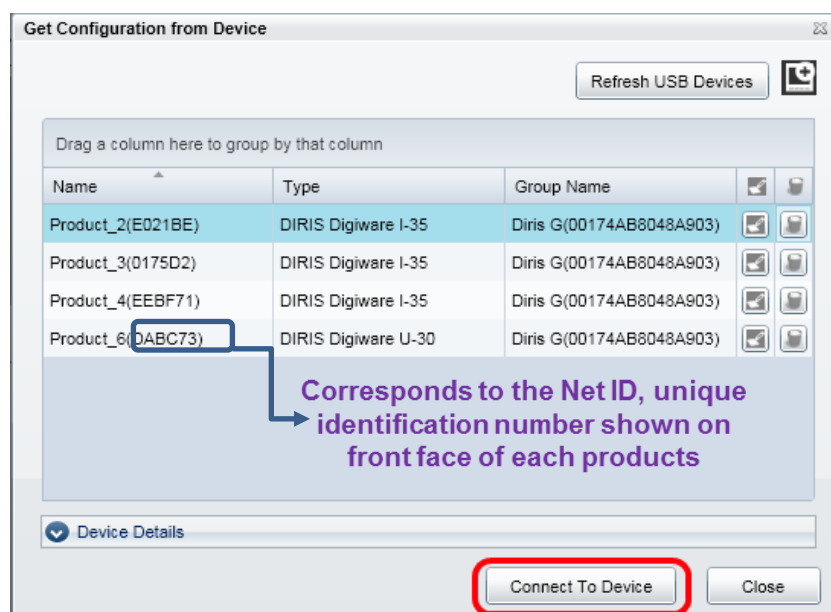
- Go back to the Easy Config home screen () and check you are still logged in to the super user profile.
- Click "Get from device":



a. **Via the Ethernet network:**

The list of the slaves detected before by gateway G-30 on its serial communication bus was automatically added to the list of products in Easy Config.

- Choose DIRIS Digiware U-30 from the list and click "Connect to device":

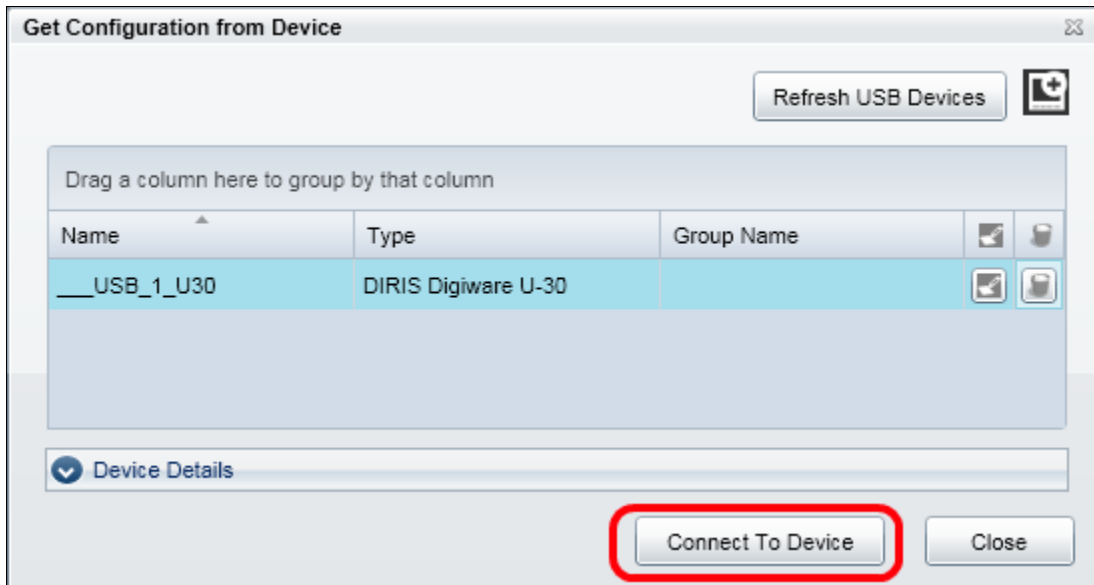


The series of characters in brackets in the Name column is the product's "Network ID". This is a unique ID written on the front of the module.

b. Via micro USB cable:

Module U-30 is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":



After configuring the DIGIWARE U-30 module for a) and b)

- On the "Network" tab, configure the network type at the point where the voltage is measured with voltage module U-30, as well as the nominal voltage of the measured network:

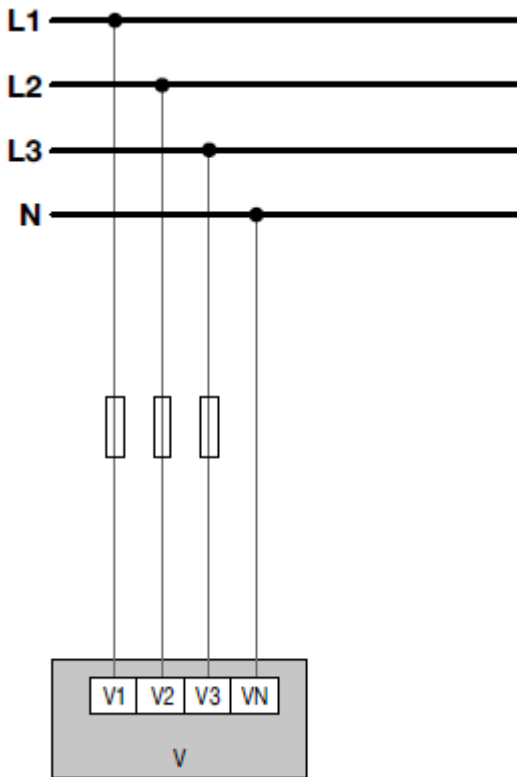


- 1P + N: Single-phase network
- 2P: Two-phase network
- 2P + N: Two-phase network + neutral conductor
- 3P: Three-phase network
- 3P + N: Three-phase network + neutral driver



The nominal voltage of the network is typically 400V for a three-phase or two-phase network and 230V for single-phase network

Example setup with one voltage measurement on a 4-wire network:



The screenshot shows the configuration interface for the DIRIS Digiware U-30 module. The 'Network' tab is selected. The settings are as follows:

- Network Type: 3P + N
- Nominal Voltage: 400 V
- Nominal Frequency: 50 Hz
- Phase Rotation: V1 - V2 - V3
- Voltage Transformer: No
- Primary: 100 V
- Secondary: 100 V

The 'Network Type' and 'Nominal Voltage' fields are highlighted with a red box. A 'Refresh' button is visible in the top right corner of the settings area.



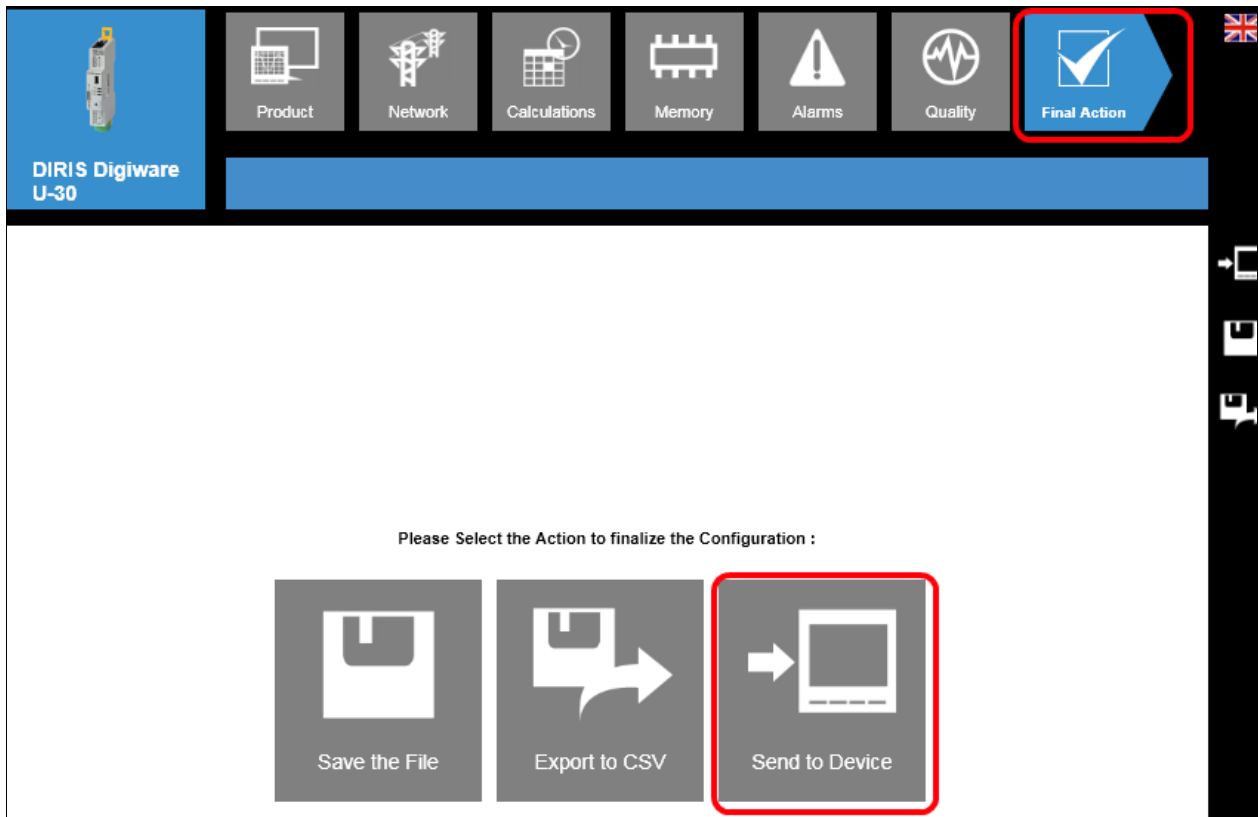
To view the network configuration automatically detected by the product, click "Refresh". Please remember that this automatic detection only works if there is voltage on the network and if the grounding plug is connected to module U-30.

The 'Configuration Detected' window shows the following detected settings:

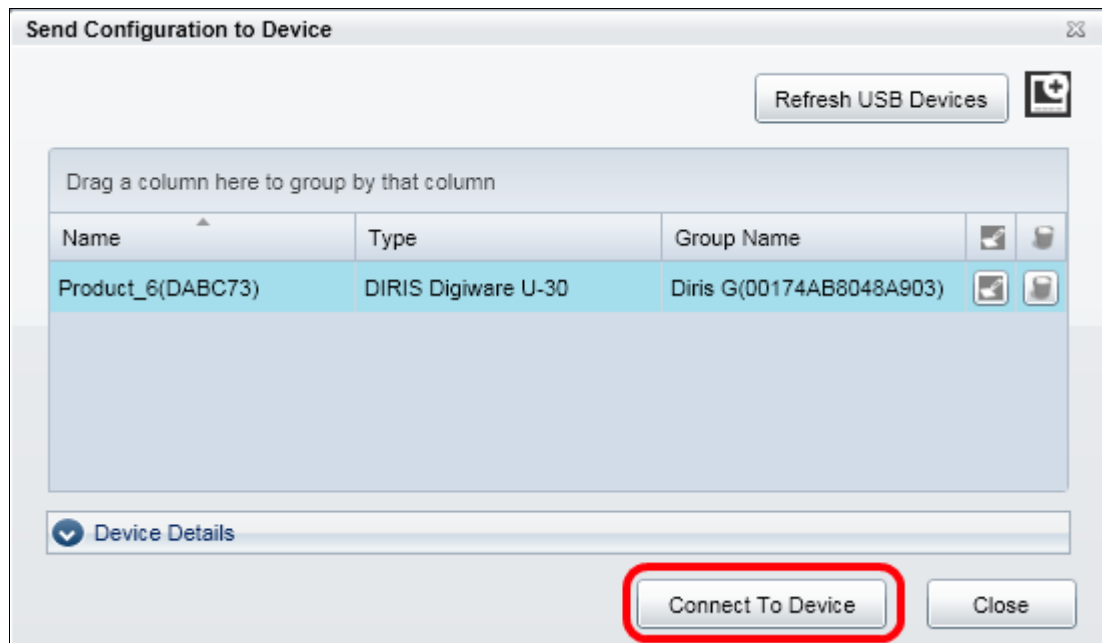
- Network Type: 3P + N
- Nominal Voltage: 400 V
- Nominal Frequency: 50 Hz
- Phase Rotation: V1 - V3 - V2

A 'Refresh' button is located at the top right of the window.

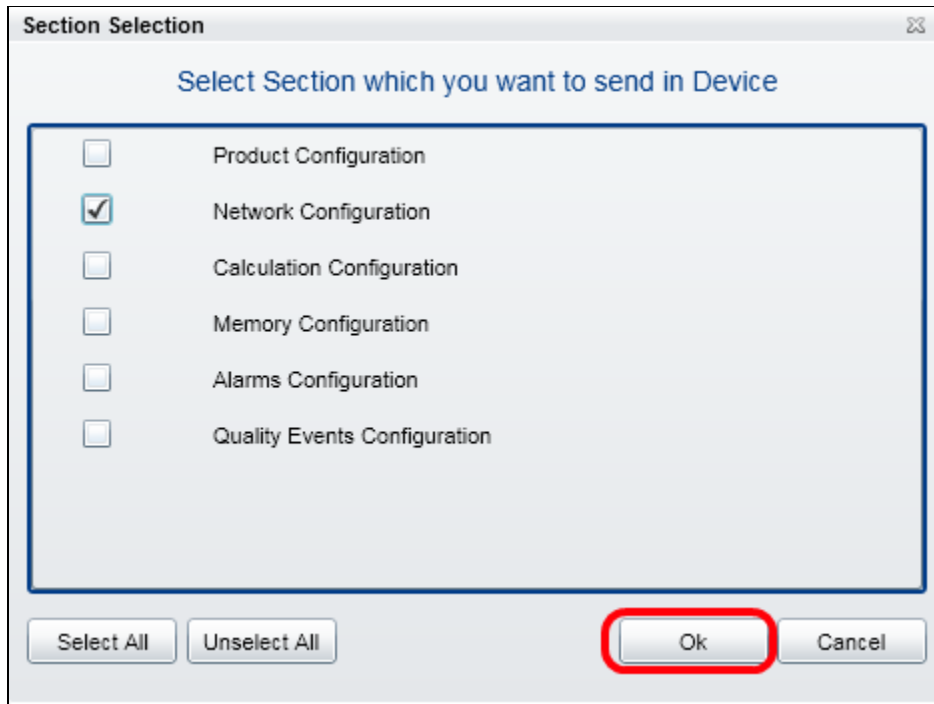
- Apply the setup changes to the product by clicking "Final action" then "Send to device"



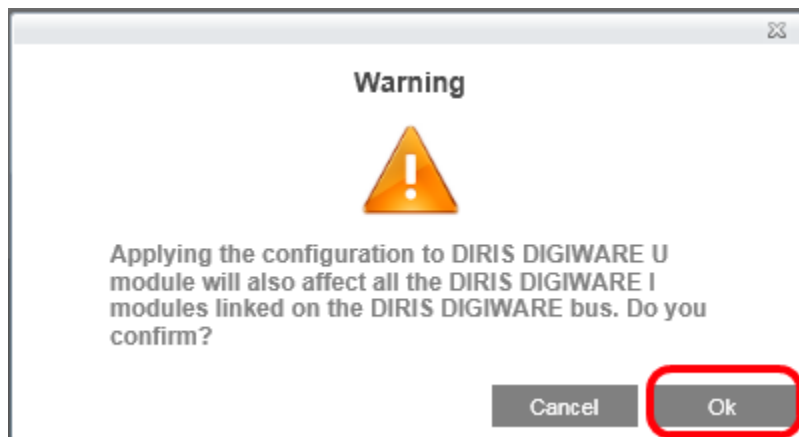
- Make sure U-30 is selected in the list then click "Connect to device":



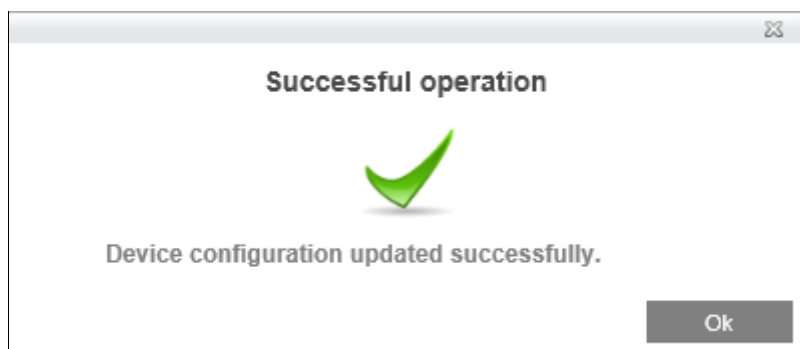
- By default, Easy Config only checks those settings that were changed. This avoids having to resend the entire configuration to the device (see also the coloured dashes above the squares):



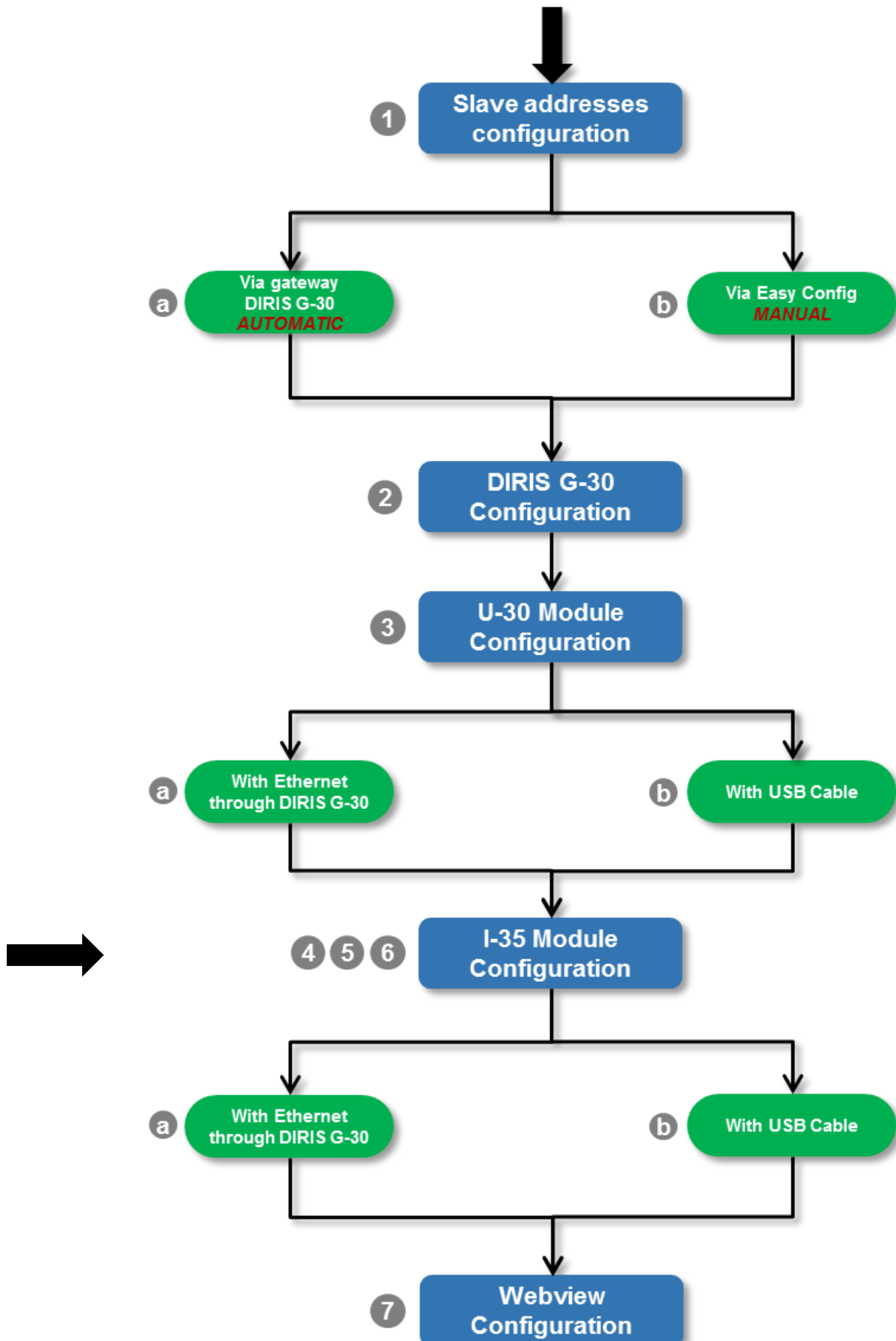
- The U-30 module setup is applied to all I-xx current modules connected at the back of the same DIGIWARE bus. With a unique voltage reading for all I-xx modules on the same DIGIWARE bus, this is how it should be:




- A warning message appears, showing that the operation completed successfully:



4) Configuring the first DIGIWARE I-35 module via the Ethernet network



- Go back to the Easy Config home screen () and check you are still logged in to the super user profile.

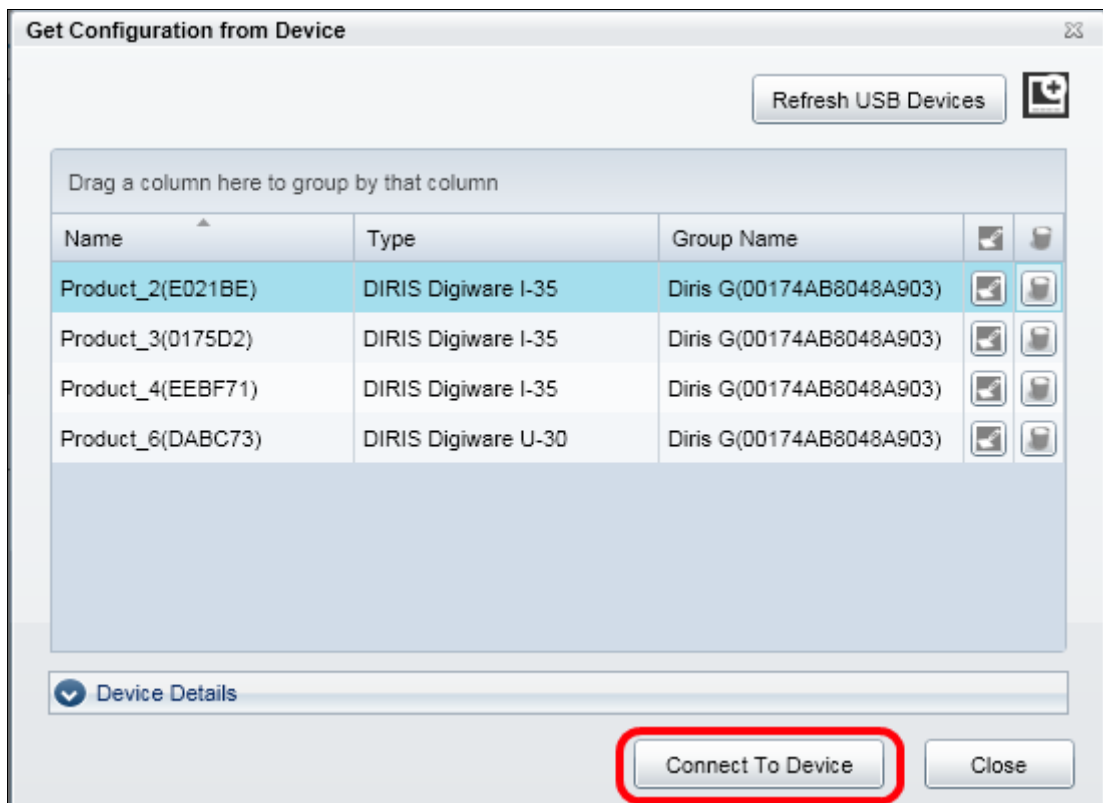
- Click "Get from device":



a. Via the Ethernet network:

The list of the slaves detected before by gateway G-30 on its serial communication bus was automatically added to the list of products in Easy Config.

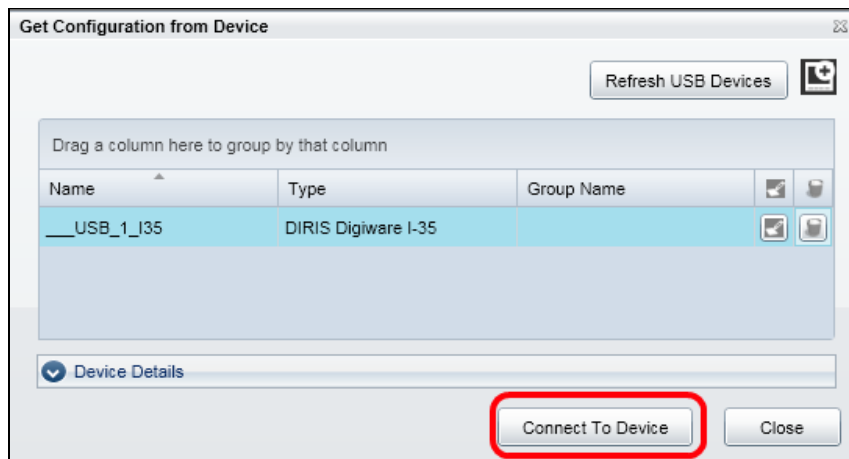
- Make sure the first I-35 is selected then click "Connect to device" (check the network ID of the module in question):



b. Via micro USB cable:

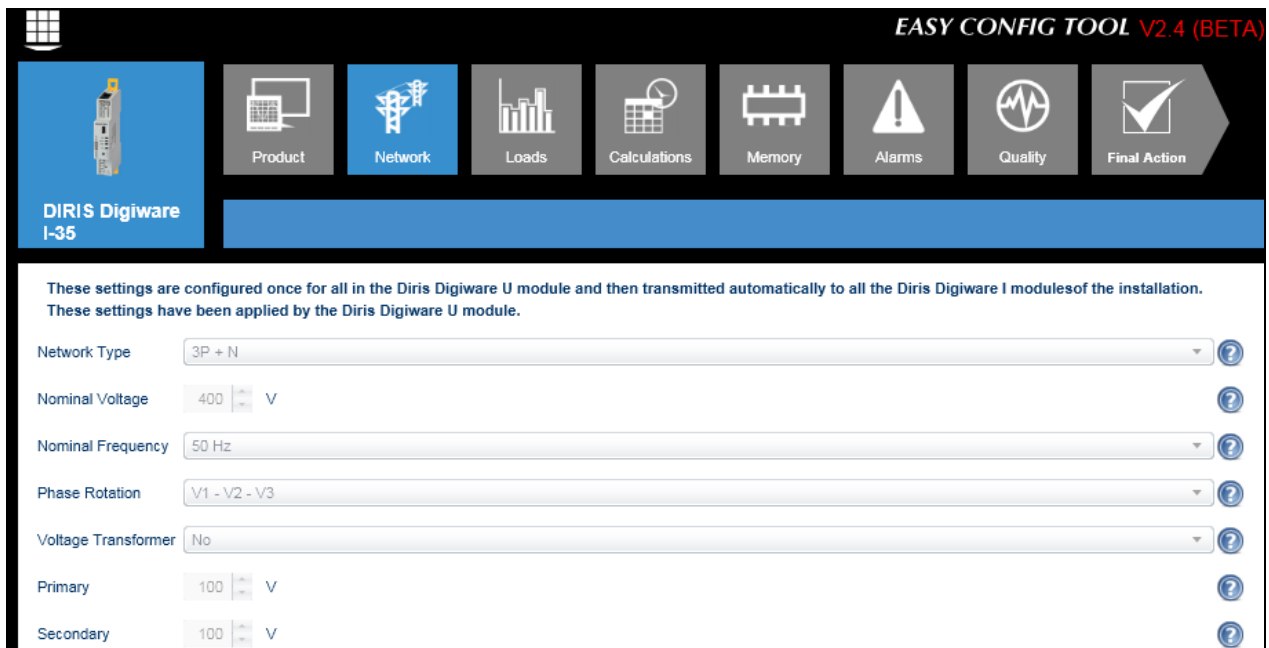
Module I-35 is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":



After configuring the DIGIWARE I-35 module for a) and b)

- On the "Network" tab, check that module I-35 received all the network setup information sent by voltage module U-30:



- On the "Loads" tab, make the following settings:
 - The number of loads measured by module I-35
 - For each load, the type of measured load
 - For each load, the phase(s) on which the sensor(s) are connected
 - For each sensor, you may need to adjust the direction of current in case of a wiring fault



The maximum number of loads for an I-3x current module is 3, because there are 3 sensor inputs on this module.

The measured load type can be:



- A single-phase load measured by 1 sensor (1P + N - 1CT)
- A three-phase load without unbalanced neutral measured by 2 sensors (3P - 2CT), with the 3rd current derived from a vector sum
- A three-phase load with or without unbalanced neutral measured by 3 sensors (3P - 3CT or 3P + N - 3CT)
- A three-phase balanced load with or without neutral measured by 1 sensor (3P - 1CT or 3P + N - 1CT)

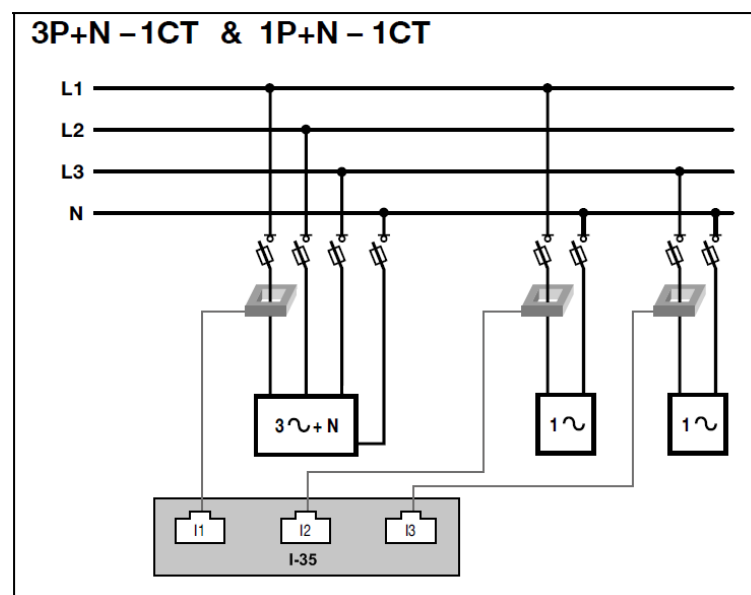


For a balanced load measured by a single sensor you can connect this sensor to any phase



The size of the sensor is always detected automatically and it is not possible to change it. The only instance in which you will have to manually apply this value is if you are using an adjusting sensor. In this case, you must send the rated current to the current transformer primary upstream of the adjusting sensor.

- Example configuration with a DIGIWARE I-35 module used to measure:
 - An air conditioning three-phase balanced load, with a nominal current of 60A per phase
 - A lighting single-phase load, on phase 1, with a nominal current of 20A
 - A heating single-phase load, on phase 3, with a nominal current of 35A



- Result in Easy Config:

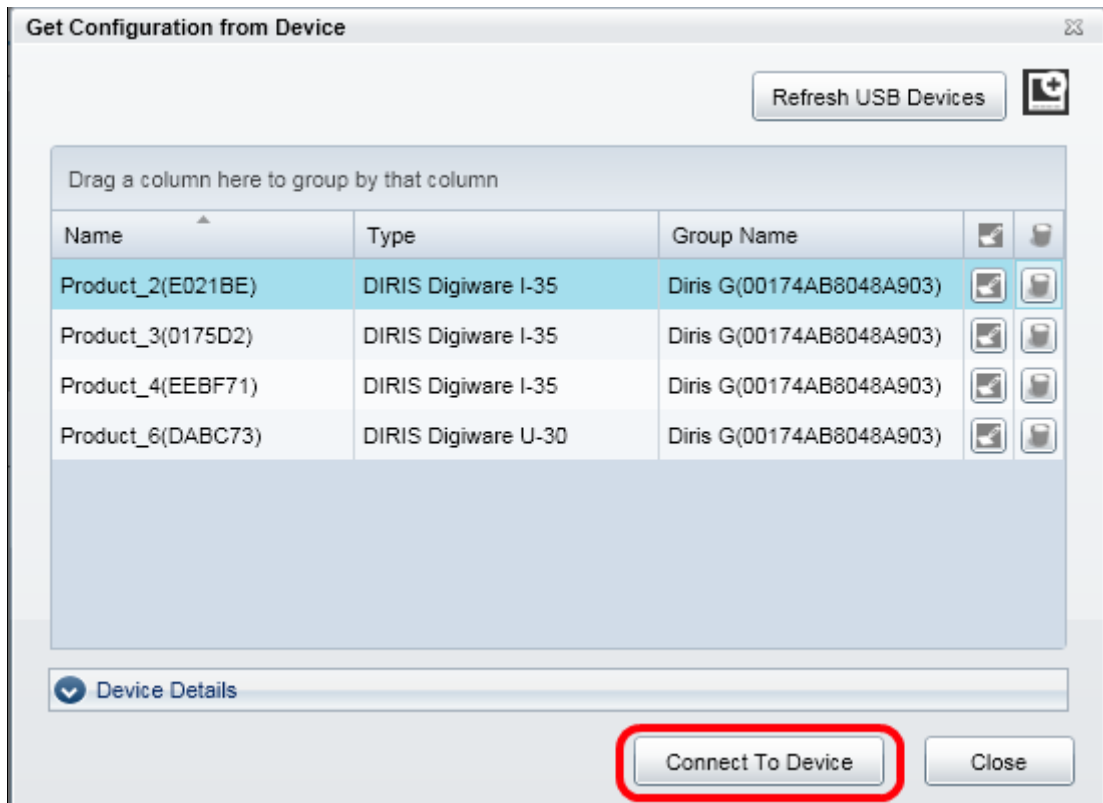
The interface shows the configuration for three loads (Load 1, Load 2, Load 3) for the DIRIS Digiware I-35 device. The 'Loads' menu is selected in the top navigation bar.

	Load 1	Load 2	Load 3
Load Enabled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Type	3P + N - 1CT	1P + N - 1CT	1P + N - 1CT
Load Name	Cool Water Prod.	Lights Basement	Heating Basement
Nominal Current	60 A	20 A	35 A
Usage	Air Conditioning	Interior Lighting	Heating
Voltage Associated	V1	V1	V3
Rating	63 A	63 A	63 A
CT Direction	+	+	+
Current Input	1	2	3

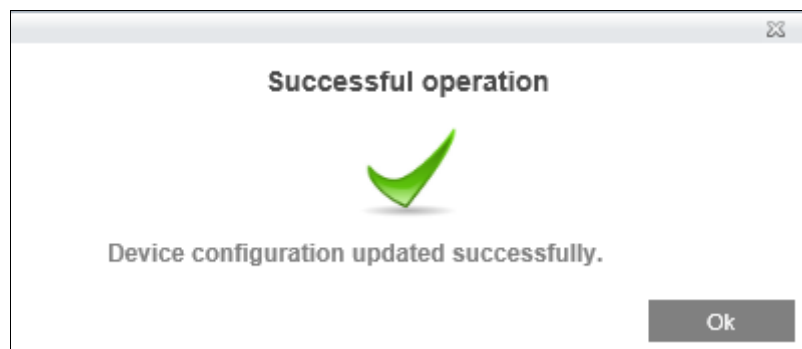
- Apply the setup changes to the product by clicking "Final action" then "Send to device"

The interface shows the 'Final Action' step. The 'Final Action' button in the top navigation bar is highlighted with a red box. Below the main configuration area, a message reads: "Please Select the Action to finalize the Configuration :". Three buttons are displayed: "Save the File", "Export to CSV", and "Send to Device". The "Send to Device" button is highlighted with a red box.


- Make sure the first I-35 is selected then click "Connect to device" (check the network ID of the module in question):



- A warning message appears, showing that the operation completed successfully:



5) Configuring the second DIGIWARE I-35 module via the Ethernet network

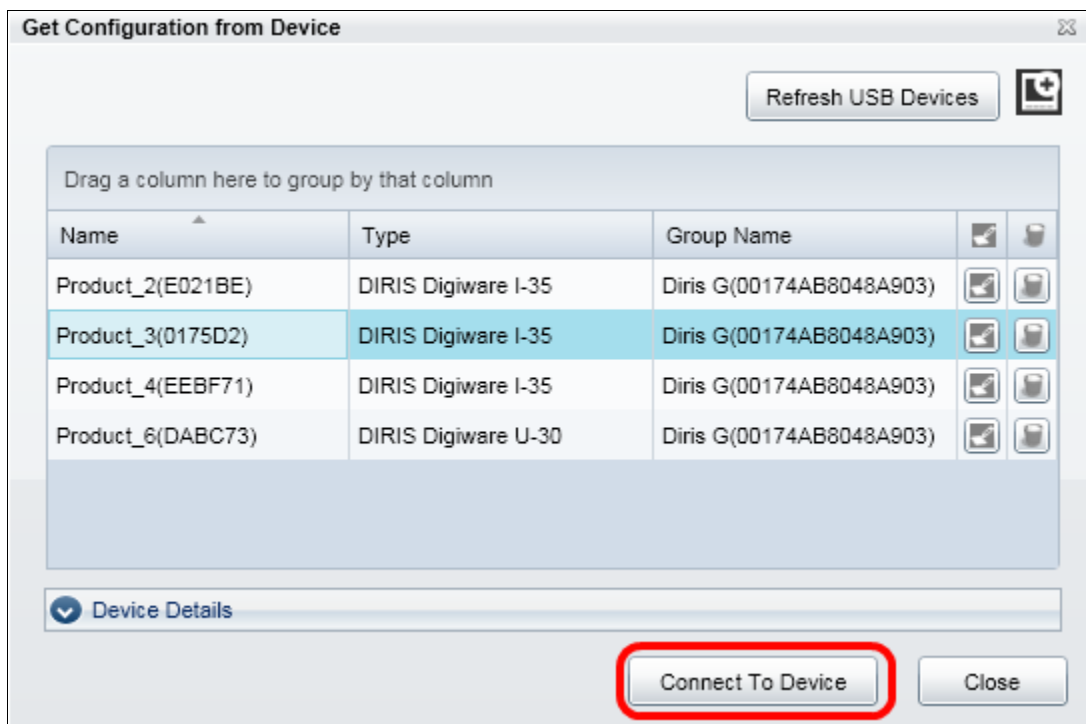
- Go back to the Easy Config home screen () and check you are still logged in to the super user profile.
- Click "Get from device":



a. Via the Ethernet network:

The list of the slaves detected before by gateway G-30 on its serial communication bus was automatically added to the list of products in Easy Config.

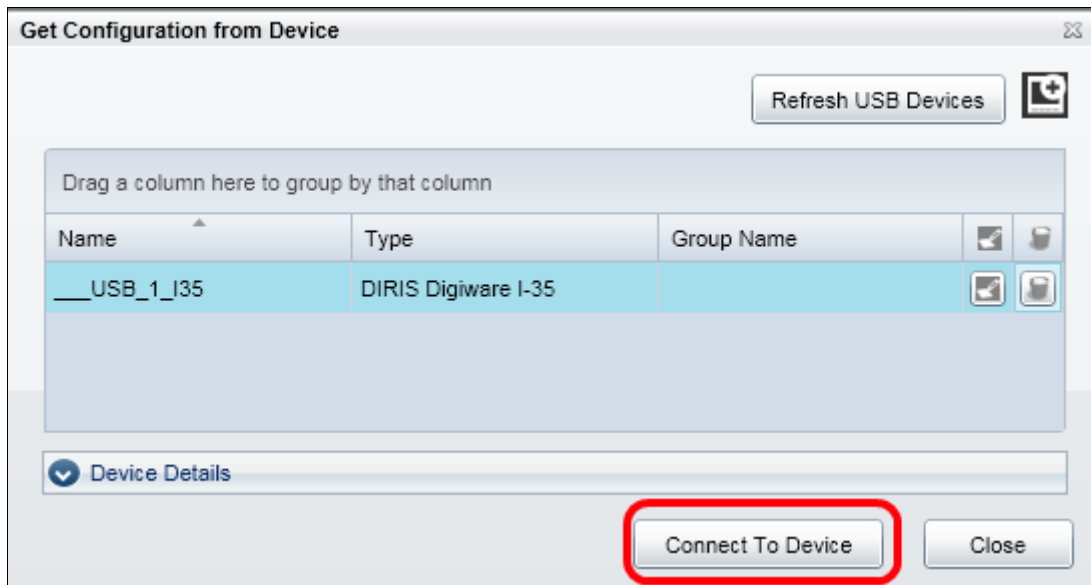
- Make sure the second I-35 is selected then click "Connect to device" (check the network ID of the module in question):



b. **Via micro USB cable:**


Module I-35 is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":



- To set up module I-35, please see section 4.

6) Configuring the third DIGIWARE I-35 module via the Ethernet network

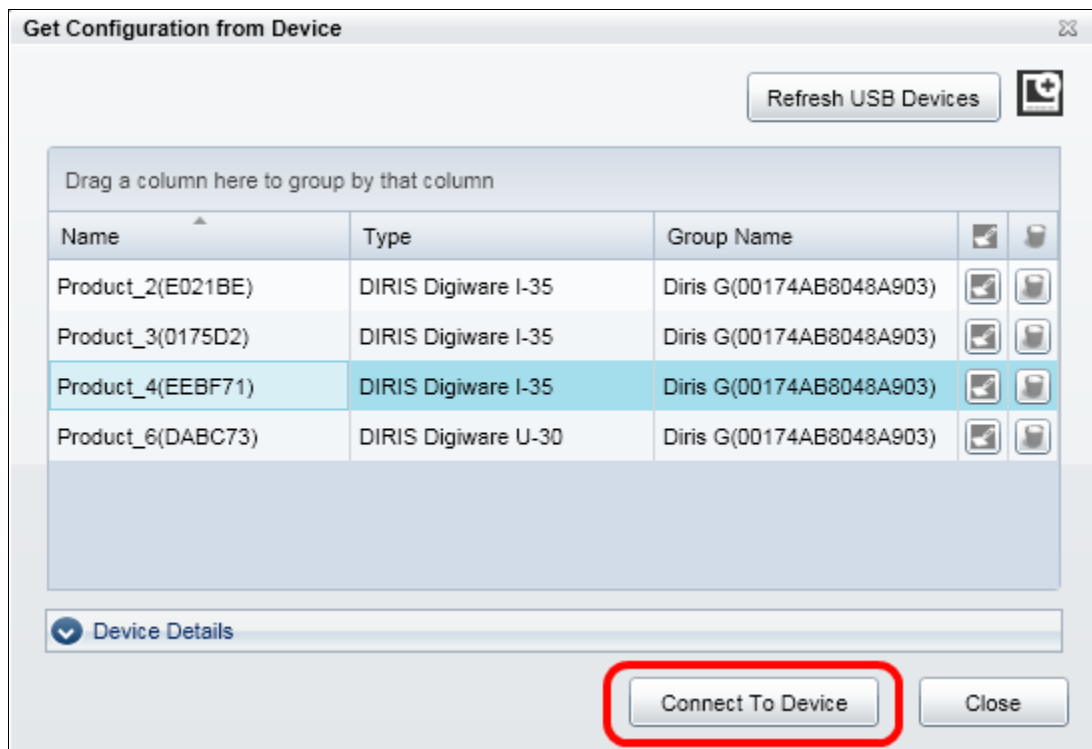
- Go back to the Easy Config home screen () and check you are still logged in to the super user profile.
- Click "Get from device":



a. Via the Ethernet network:

The list of the slaves detected before by gateway G-30 on its serial communication bus was automatically added to the list of products in Easy Config.

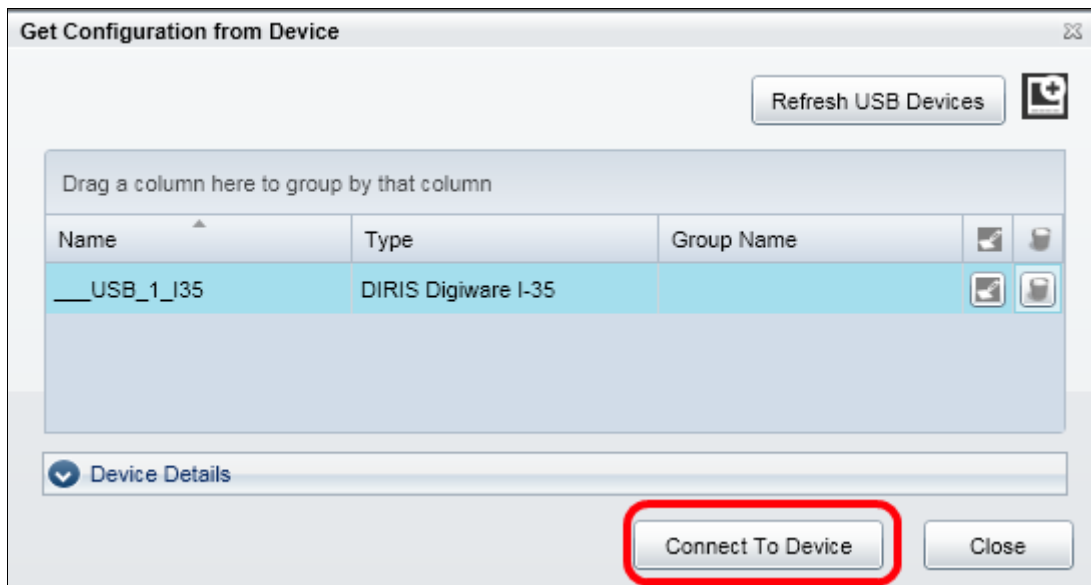
- Make sure the third I-35 is selected then click "Connect to device" (check the network ID of the module in question):



b. **Via micro USB cable:**

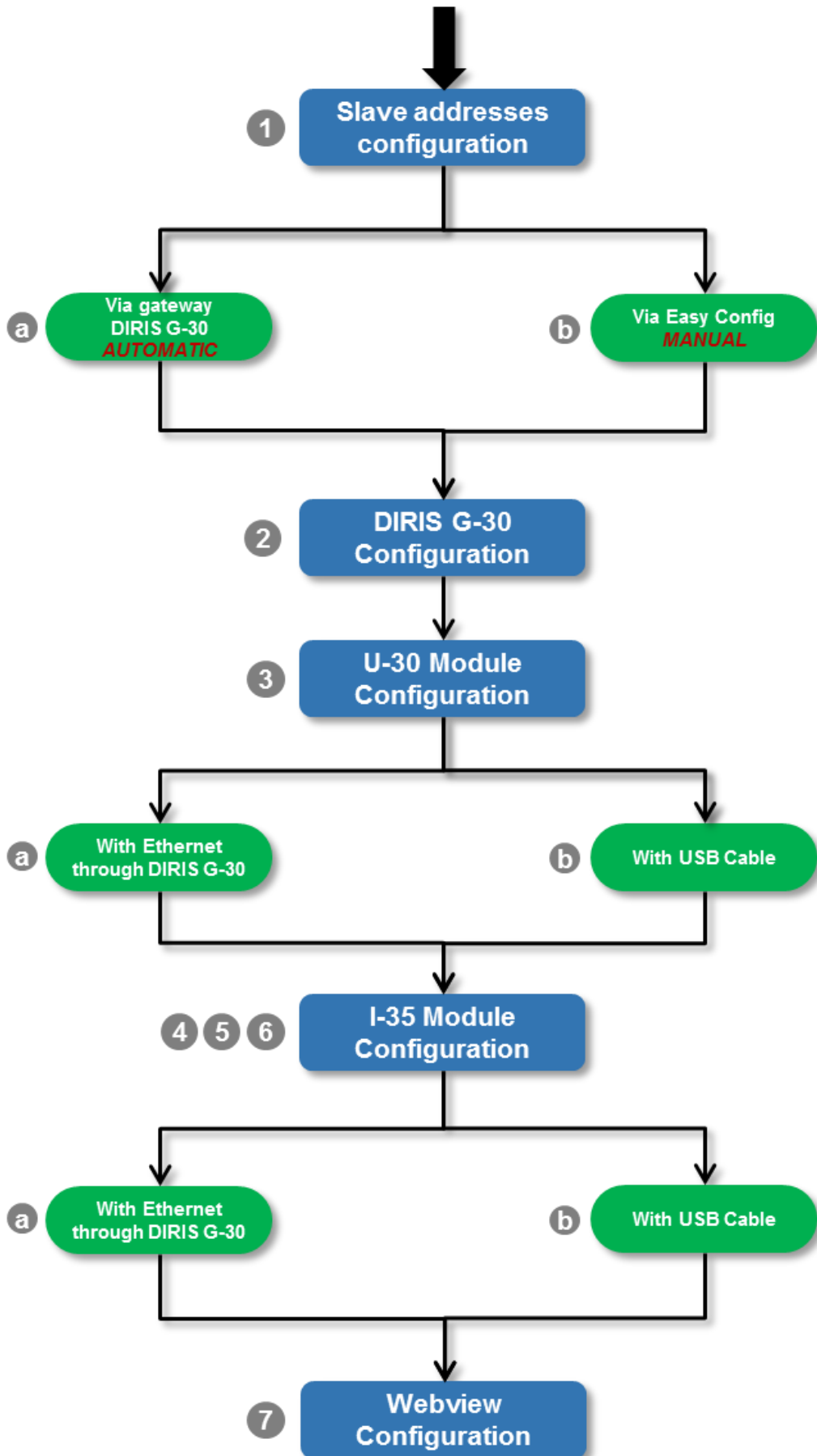
Module I-35 is automatically detected by Easy Config (if not, try disconnecting/reconnecting the cable and clicking "Refresh USB devices").

- Click "Connect to device":



- To set up module I-35, please see section 4.

7) **Configuring Webview**



- Open your Internet browser and go to the IP address of the DIRIS G-30 gateway:



If the web page does not display correctly, check that your browser is a fairly recent version. It is best to use Internet Explorer, Firefox or Google Chrome.



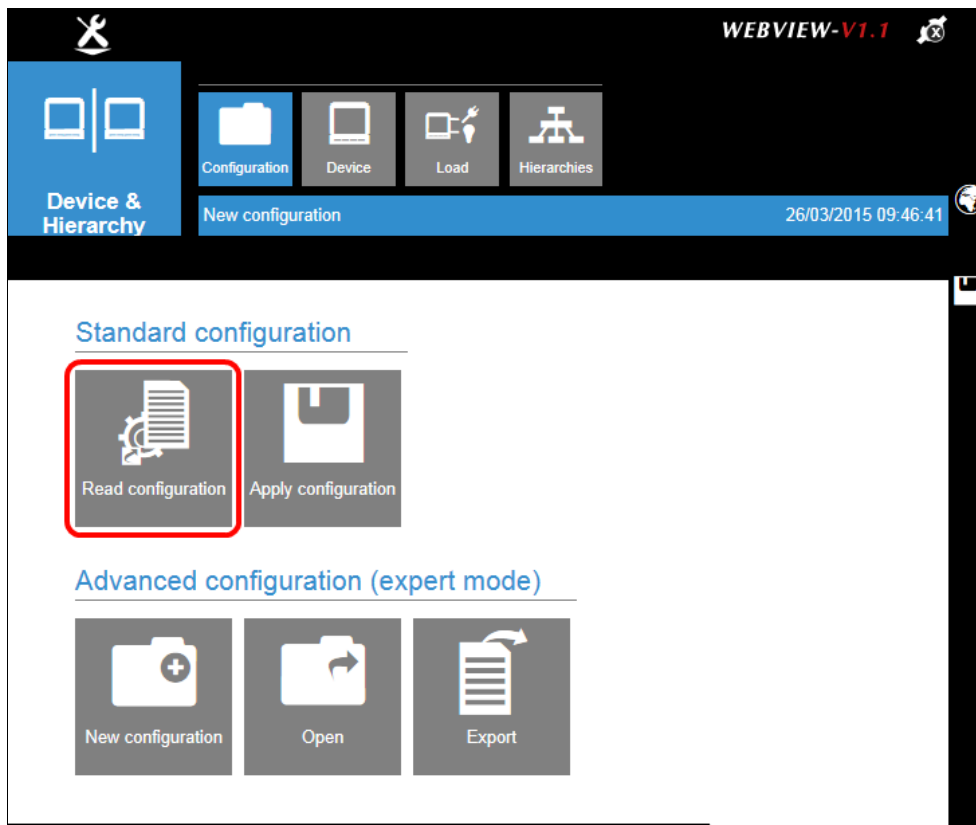
- Log in to the "Admin" profile in Webview, the default password is "Admin":

Profile	<input type="text" value="Admin"/>
Password	<input type="password" value="....."/>
Language	<input type="text" value="English (United Kingdom)"/>
<input type="button" value="Log in"/>	

- Go to "Equipment & hierarchies":



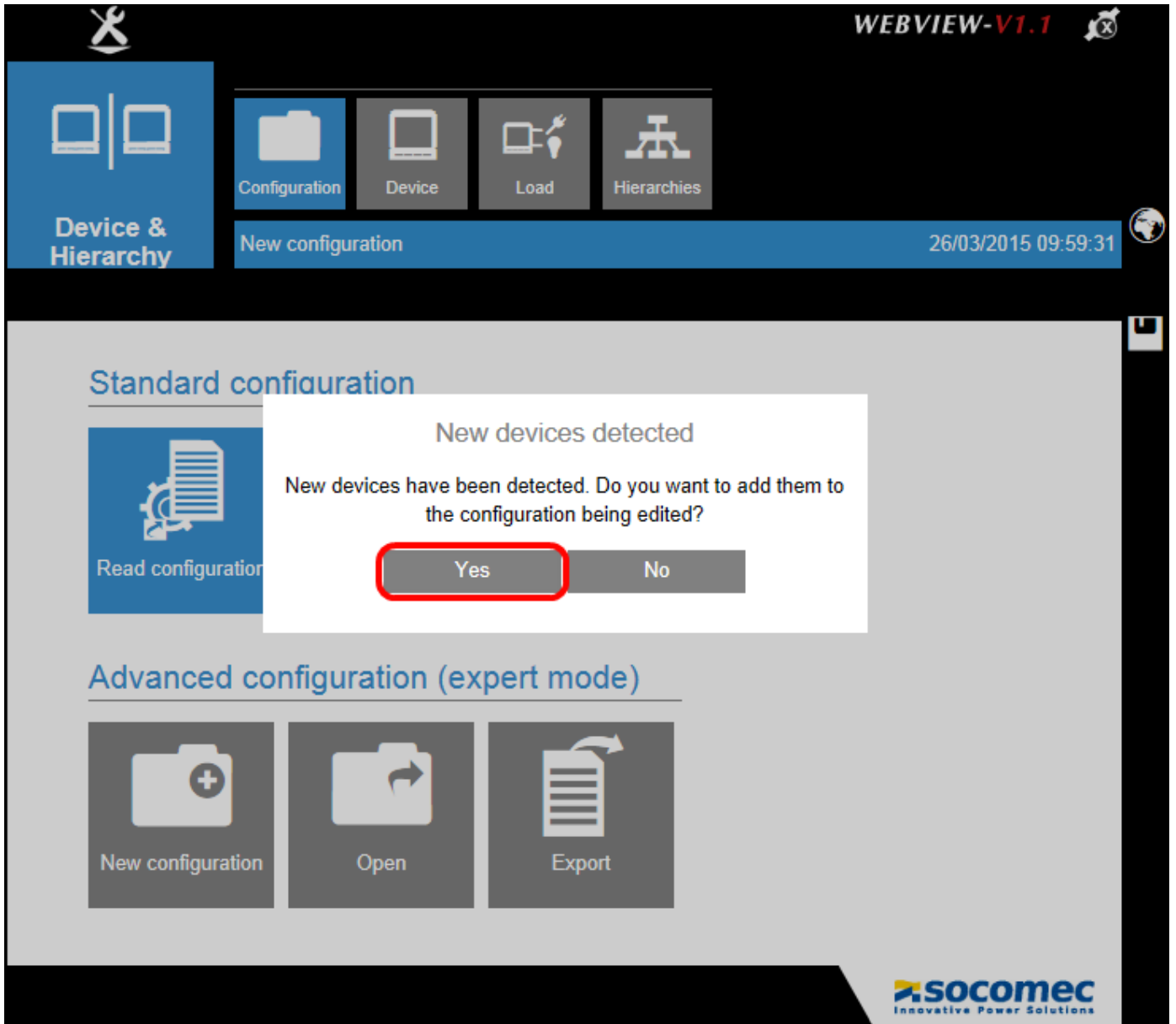
- Click "Read configuration" and click "Yes" to confirm read mode:





Opening the configuration to read will import into Webview the list of slaves previously found by the DIRIS G-30 gateway during the auto-scan/address process.

- Confirm the addition of new detected devices by clicking "Yes":



- Go to the "Equipment" tab, check that all the devices are on the list, then change the name of the products and add their location, if necessary.

Then confirm your changes:

The screenshot shows the Socomec WEBVIEW-V1.1 interface. At the top, there is a navigation bar with icons for Configuration, Device, Load, and Hierarchies. The 'Device' tab is selected. Below the navigation bar, there is a header for 'New configuration' with the date and time '26/03/2015 10:05:53'. The main content area is divided into two sections: 'New product' and 'List of products'. The 'New product' section contains a table with columns: Type, Name, Address, Location, and Number of pro... The table has one row with 'B-30 RF' in the Type column, 'PMD_' in the Name column, '1' in the Address column, and '1' in the Number of pro... column. An 'Add to list' button is located to the right of the table. The 'List of products' section contains a table with columns: Type, Name, Address, Location, and Network ID. The table has five rows: Gateway (G50/G60, 1, C Building, ---), I-35 (I-35 Area C, 2, C Building, E021BE), I-35 (I-35 Factory 1, 3, Factory 1, 0175D2), I-35 (I-35 Factory 2, 4, Factory 2, EEBF71), and U-30 (U-30, 6, C Building, DABC73). Each row in the 'List of products' table has a trash icon to its right. A red box highlights the 'List of products' table and is labeled '1.'. A red box highlights the 'Confirm' button and is labeled '2.'.

Type	Name	Address	Location	Number of pro...
B-30 RF	PMD_	1		1

Type	Name	Address	Location	Network ID
Gateway	G50/G60	1	C Building	---
I-35	I-35 Area C	2	C Building	E021BE
I-35	I-35 Factory 1	3	Factory 1	0175D2
I-35	I-35 Factory 2	4	Factory 2	EEBF71
U-30	U-30	6	C Building	DABC73

- Go to the "Load" tab and check that all the loads configured in Easy Config are shown on this page.

Check the name and use of each load and correct if necessary.
Then confirm your changes:

WEBVIEW-V1.1

Device & Hierarchy

Configuration Device Load Hierarchies

New configuration 26/03/2015 10:15:29

2. Confirm

1.

I-35 Area C				
Index	Load	Location	Fluid	Use
1	Cool Water Prod.		Electricity	Air conditioning
2	Lights Basement		Electricity	Interior lighting
3	Heating Basement		Electricity	Heating

I-35 Factory 1				
Index	Load	Location	Fluid	Use
1	Factory 1 Oven		Electricity	Processes
2	Z1 A Lights		Electricity	Interior lighting

I-35 Factory 2				
Index	Load	Location	Fluid	Use
1	Sheet Metal Machinery		Electricity	Processes
2	Office Factory 2		Electricity	Power connector

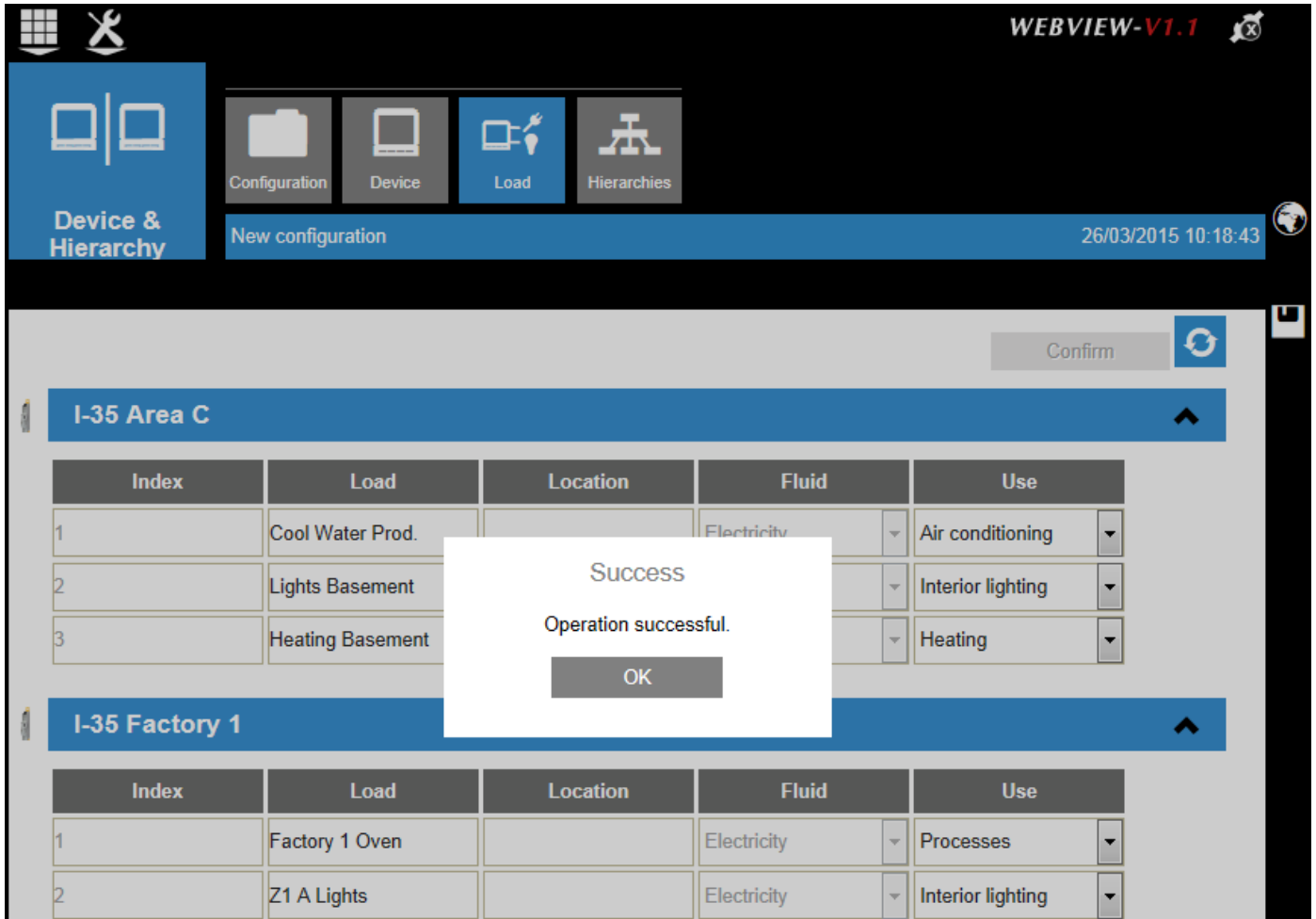
- Complete the Webview configuration using the save icon on the right of the page:

The screenshot shows the 'WEBVIEW-V1.1' interface. At the top, there are navigation icons and a 'Confirm' button. Below the navigation bar, there are four tabs: 'Configuration', 'Device', 'Load', and 'Hierarchies'. The 'Load' tab is active. The main content area displays two sections: 'I-35 Area C' and 'I-35 Factory 1'. Each section contains a table with columns for 'Index', 'Load', 'Location', 'Fluid', and 'Use'. A red arrow points to a save icon (a document with a checkmark) in the top right corner of the main content area.

Index	Load	Location	Fluid	Use
1	Cool Water Prod.		Electricity	Air conditioning
2	Lights Basement		Electricity	Interior lighting
3	Heating Basement		Electricity	Heating

Index	Load	Location	Fluid	Use
1	Factory 1 Oven		Electricity	Processes
2	Z1 A Lights		Electricity	Interior lighting

- Confirm by clicking "Yes". The following message should appear after a few seconds:



WEBVIEW-V1.1

Device & Hierarchy

Configuration Device Load Hierarchies

New configuration 26/03/2015 10:18:43

Confirm


I-35 Area C

Index	Load	Location	Fluid	Use
1	Cool Water Prod.		Electricity	Air conditioning
2	Lights Basement			Interior lighting
3	Heating Basement			Heating

I-35 Factory 1

Index	Load	Location	Fluid	Use
1	Factory 1 Oven		Electricity	Processes
2	Z1 A Lights		Electricity	Interior lighting

Success
Operation successful.
OK

- Go back to the home screen () and go to "Devices". Scroll down the left-hand panel and check that all of your devices are there. Then check that all your loads are there:



You will not be able to see the U-30 module in the list of the devices because it is completely transparent. The U-30 module voltage information is automatically retrieved by all the I current modules current on the DIGIWARE bus.

Organisation

Navigation mode

Device

Navigation

Location

- C Building
- Factory 1
- Factory 2

Confirm

Device

Network analysis Load analysis

Summary Quality **Summary** U / I Power Energy Quality

C Building / I-35 Area C / Cool Water Prod. 26/03/2015 10:21:43

Cool Water Prod. Lights Basement Heating Basement

Load

3P + N - 1TC (4BL)

Nominal	
U	400 V
V	230.94 V
F	50 Hz
I	60 A

Vectorial diagram

Power

System	
U	0 V
F	0 Hz
I	0 A
V	0 V

Quality	
Inb	-

PF	1
S	0 VA
P	0 W
Q	0 var

- The setup is now complete.