

How to connect Landis+Gyr E570 ZMY S2 energy meter with Reduxi controller

Connect the Landis+Gyr E570 ZMY S2 energy meter to the Reduxi Controller via RS485 and add it in the Reduxi Configurator.

Landis+Gyr

🔧 Landis+Gyr E570 ZMY S2 · Reduxi Controller

🔌 RS485 (RJ12 6P6C socket)

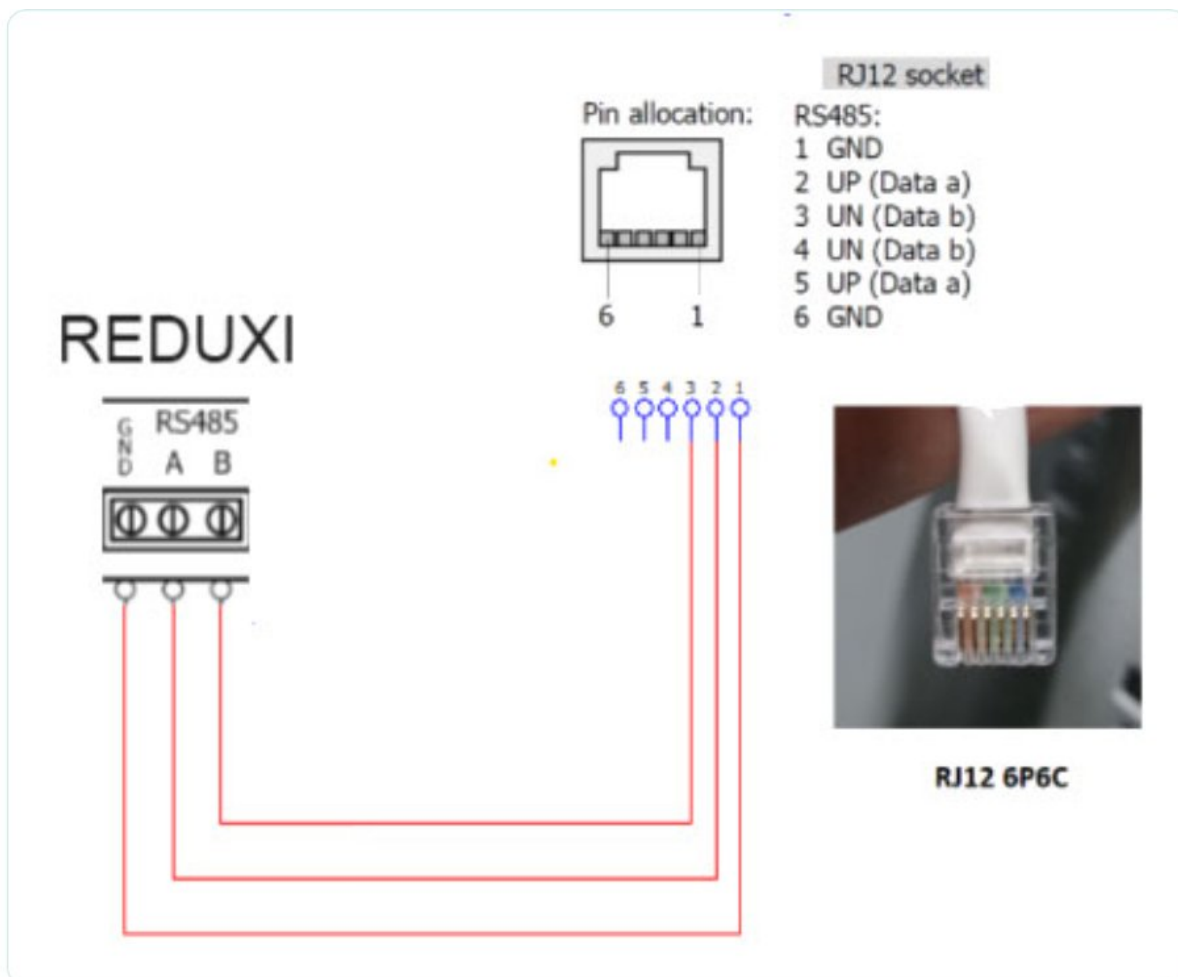
📄 HDLC address = last 4 digits of serial number + 1000

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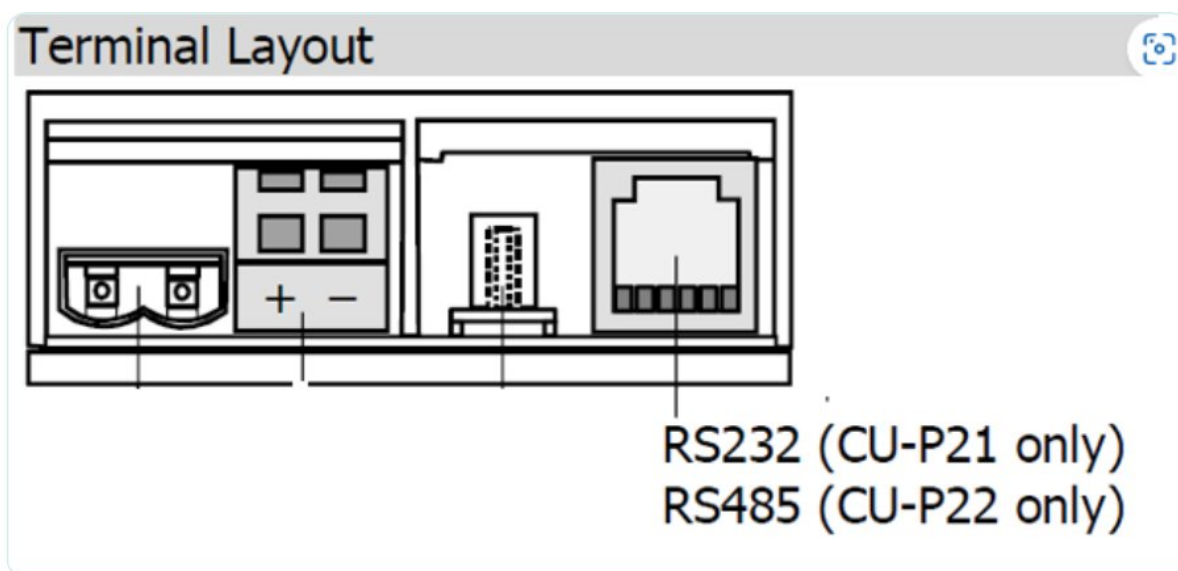
1 Connect the Landis+Gyr E570 ZMY S2 to the Reduxi Controller

Connect the energy meter to the Reduxi Controller over RS485. See the pictures below.



Pinout of the RS485 port

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Terminal layout of the RS485 port

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2 Get the physical device address (HDLC address)

The physical HDLC device address is the last four digits of the serial number plus 1000. The range of addresses is limited and some addresses are reserved.

Physical HDLC device address = last 4 digits of serial number plus 1000 (because with dlms the range of addresses is limited and some addresses are reserved), e.g. 3799 for a serial number 73852799 (2799 + 1000 = 3799).

Rule for the physical HDLC device address

Text description of this image

Example:

ITEM	VALUE
Serial number	73852799
HDLC device address	$2799 + 1000 = 3799$

3 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:



Reduxi app
Via tunnel connection · works from anywhere

REMOTE



Web browser
In the local network · via IP address or reduxि.local

3.1 Via the Reduxi app

1 Open the app and log in

Launch the Reduxi app on your smartphone or tablet and log in with your credentials.

2 Open Reduxi devices

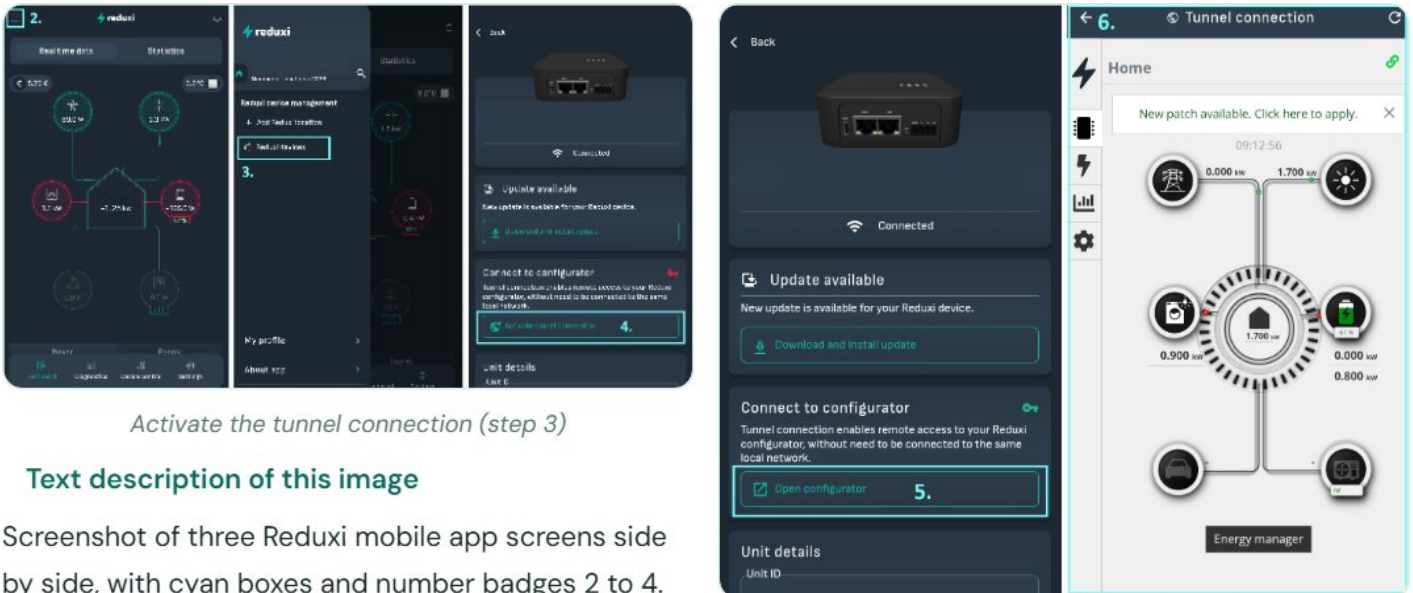
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)

Open configurator (step 4)

Text description of this image

Screenshot of three Reduxi mobile app screens side by side, with cyan boxes and number badges 2 to 4. Left screen (dashboard, dark theme): menu icon at top left marked with a box and badge 2; 'reduxi' logo; tabs 'Real time data' (active) and 'Statistics'; price 5.79

2. Text description of this image

3.2 Via a web browser

1 Open the login page

On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

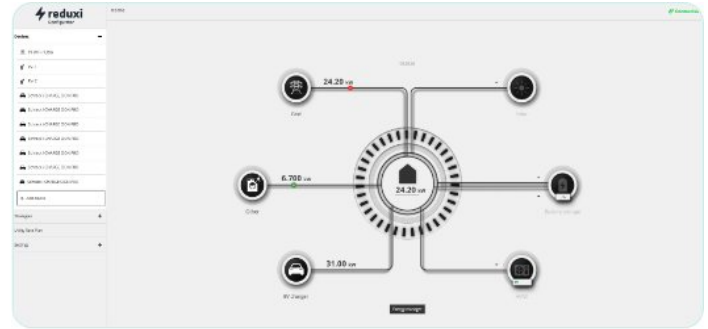
2 Log in

Username: `admin` · Password: `admin` (factory default)



Reduxi Controller login screen

Text description of this image



Controller web interface after login

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

4 Add the energy meter to Reduxi

4.1 Basic settings

Log in locally to the [Reduxi Configurator](#) on the controller (see [Point 3](#)). Click **Add device** and enter the basic settings.

Basic settings

Device type

Energy meter

Type

Landis+Gyr E570

Name

Landis+Gyr E570

Back

Next

Basic settings: device type, type and name

Text description of this image

Press **Next**.

4.2 Communication channel

Select the communication channel.



Parity

Depending on the energy meter configuration, you must choose the correct parity. Test different parity combinations to find a working setting.

Parity setting of the communication channel

Text description of this image

4.3 Device configuration

PARAMETER	VALUE
Serial number	Read it from the energy meter.
Physical device address	See Point 2 .
Logical device ID	1 (default)
Client address	1 (default)
Password	Ask your utility provider for the password.
External CT ratio	Ratio of the currents. If you have 250A/5A, the result is 5.
External VT ratio	High voltage ratio. Only if the meter is at medium voltage instead of 230 V.

4.4 Advanced settings

Enter and choose the advanced settings.

4.5 Test communication

Click **Test communication** at the bottom of the wizard. It reads the Landis+Gyr E570 ZMY S2 once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.

The **Test communication** button

Text description of this image

Screenshot of the bottom button bar of a Reduxi Configurator page. Left: button 'Back'. Right: button 'Test communication' (marked with a cyan box) and dark button 'Done'.

The **Done** button

2. Text description of this image

5 Check the readings

5.1 Last measurements

After communication is established, check the values under **Devices – Landis+Gyr E570 ZMY S2** in the Reduxi Configurator as an additional test.

✓ Summary

Preparation (Points 1–2): Connect the meter to the Reduxi Controller over RS485. Get the physical HDLC address: last four digits of the serial number plus 1000.

Landis+Gyr E570 ZMY S2 (Point 2): Example: serial number 73852799 gives the address 3799.

Add to Reduxi (Points 3–4): Log in to the Reduxi Configurator. Click Add device, enter the basic settings, the communication channel with the correct parity and the device configuration. Test communication.

Go live (Point 5): Check the values under Devices – Landis+Gyr E570 ZMY S2.

→ Common issues

ISSUE	SOLUTION
Communication does not work	Test different parity combinations in the communication channel settings. See Point 4 .
Wrong physical device address	The address is the last four digits of the serial number plus 1000. See Point 2 .
Open configurator does not open or stays empty	The tunnel is not active yet. Wait about 30 seconds and check that the controller is online.
Login with <code>admin</code> is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
<code>reduxi.local</code> does not load	Your device is not in the same network as the controller. Use the IP address or the tunnel connection.
Communication test fails, device shows offline	Check reachability, IP address / port / unit ID, and that the protocol is enabled on the device.



Related articles

Matching guides from the Reduxi knowledge base:



How to connect Landis+Gyr E650 CU-P22 energy meter with Reduxi controller

Connect a Landis+Gyr E650 energy meter with the module CU-P22.



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained