REDUXI CONTROLLER · KNOWLEDGE BASE

Reduxi with Landis+Gyr E360 Smart Meter

Power consumption and measurement overview – always and everywhere.

- Landis+Gyr E360 · Reduxi Converter
- M-Bus to RS485
- Supported DSO: Fluvius, Belgium

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1 Technical documentation

Supported Distribution System Operator (DSO): **Fluvius** in Belgium.

To configure the energy meter, follow the article **How to configure Landis+Gyr E350 or E450 or ZMY410 in the MAP120 tool**.

- **How to configure Landis+Gyr E350 or E450 or ZMY410 in the MAP120 tool** – Meter configuration (Reduxi).
- **Reduxi Converter for Landis+Gyr E350, 450 meter** – Reduxi converter for Landis+Gyr meters (Reduxi).
- **Landis+Gyr E360** – Manufacturer page of the E360 smart residential meter.
- **Landis+Gyr E360 brochure** – Two-page overview of the E360: interfaces, variants and functions.
- **Handleiding digitale elektriciteitsmeter Landis+Gyr (Fluvius)** – Manual of the E360 digital meter from Fluvius, in Dutch.

2 Required equipment

- [ ] Landis+Gyr E360 smart meter
- [ ] Reduxi Landis Converter RS485-M-BUS
- [ ] Reduxi Controller or Reduxi Gateway
- [ ] Wires for A, B and GND between the converter and the Reduxi Controller or Gateway
- [ ] Laptop or tablet with internet access to configure the device in Reduxi

3 Physical connection

3.1 Connect M-Bus on the energy meter

Connect M-Bus on the energy meter directly to the Reduxi Landis Converter RS485-M-BUS. The first four pins at the energy meter are available for M-Bus. Use the first two pins from the left, or the 3rd and 4th pins from the left.

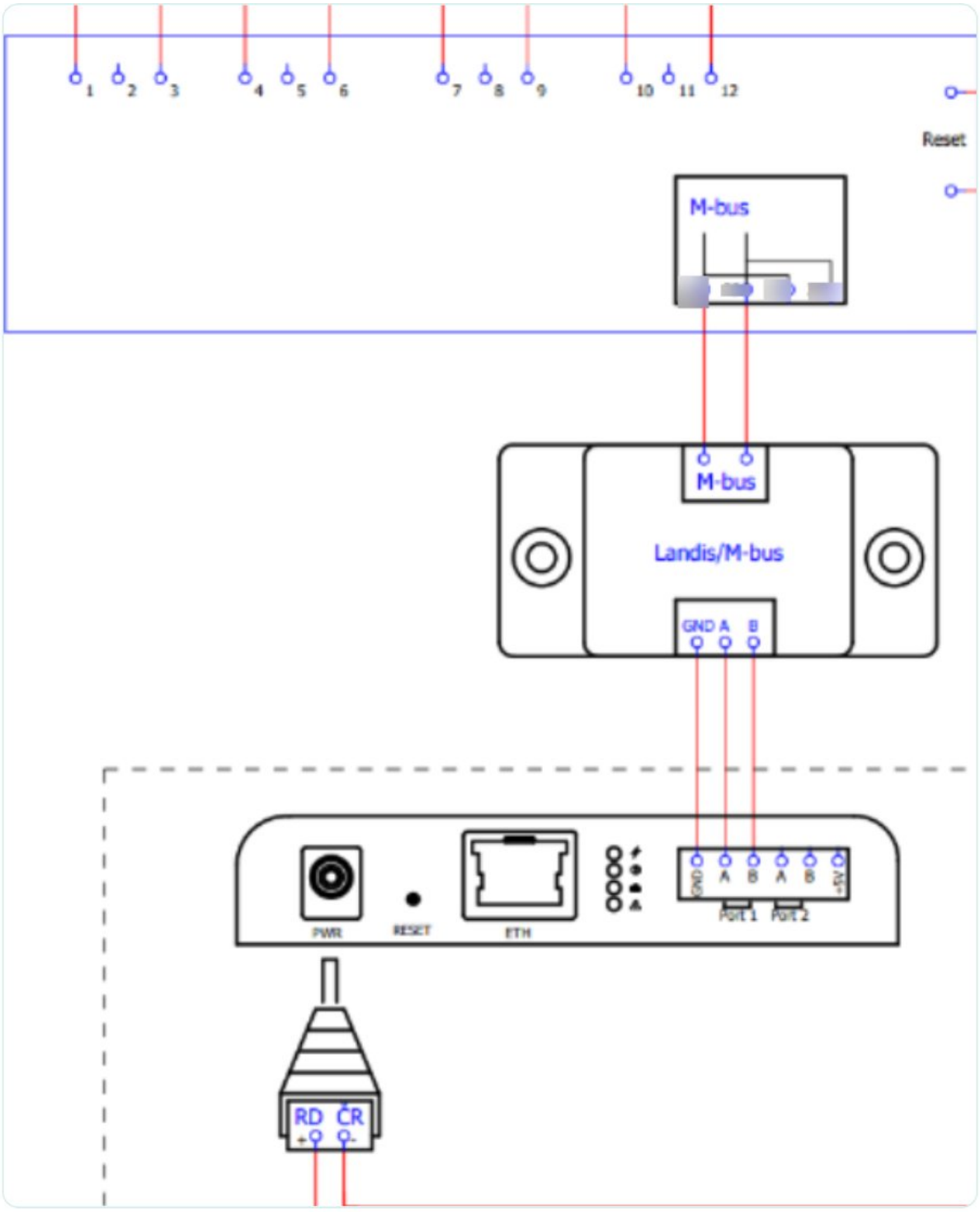


M-Bus pins at the energy meter

3.2 Connect the converter to the Reduxi Controller or Gateway

On the RS485 side of the Reduxi Landis Converter, connect to the Reduxi Controller or Reduxi Gateway. Choose port 1 or port 2:

CONVERTER	CONTROLLER OR GATEWAY
A	A
B	B
GND	GND



Wiring: energy meter, converter and Reduxi Controller

Check the interface

On the interface, a green light and a blinking yellow light appear. If the yellow light is not blinking, the energy meter is not set up by the electricity distributor and does not send data.

4 Get the serial number and the HDLC address

4.1 Serial number of the energy meter

Read the serial number from the energy meter. In the picture, the red square shows the last four digits of the serial number. Another part of the serial number is hidden for security reasons. On your meter, read the whole serial number.



Last four digits of the serial number (red square)

Fluvius states that the serial number is printed on the meter. You can also find it on mijn.fluvius.be under **Verbruik opvolgen**.

4.2 Physical device address (HDLC address)

The address is the last four digits of the serial number of the energy meter.

For example, the serial number above is 3107+1000=4107.

5 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:

REMOTE

Reduxi app

Via tunnel connection · works from anywhere

Web browser

In the local network · via IP address or reduxi.local

5.1 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

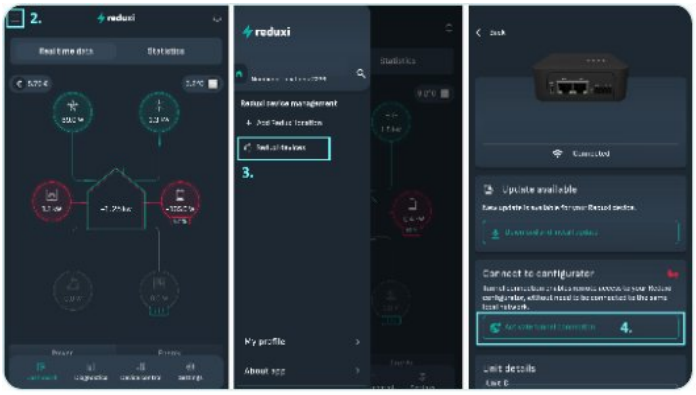
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

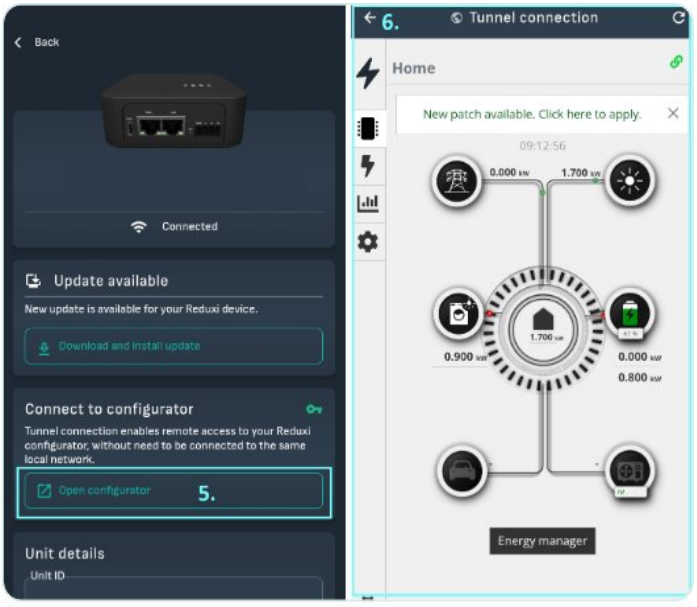
Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

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



Activate the tunnel connection (step 3)



Open configurator (step 4)

5.2 Via a web browser

1 **Open the login page**

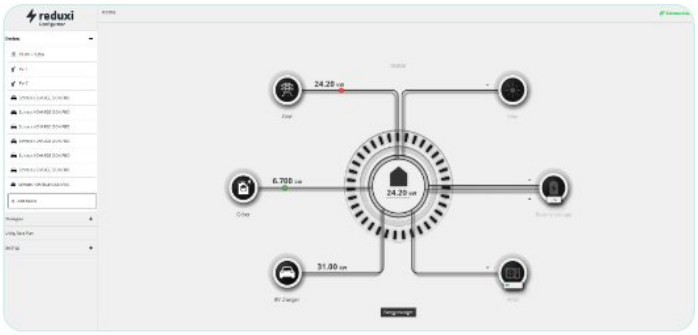
On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 **Log in**

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



Reduxi Controller login screen



Controller web interface after login

6 Add the energy meter to Reduxi

Use these steps to add a new energy meter or to edit an existing one.

6.1 Basic settings

Log in to the Reduxi Configurator via the browser (see Point 5). Click **+ Add device**.

In the first step, enter the basic settings of the device.



Basic settings: device type, type and name

6.2 Communication settings

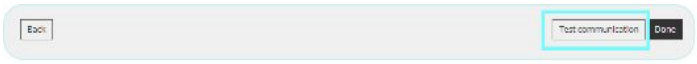
Select the communication channel. Then choose the device configuration. Use the serial number and the physical device address (HDLC address) from **Point 4**.

6.3 Advanced settings

Enter and choose the advanced settings.

6.4 Test communication

Click **Test communication** at the bottom of the wizard. It reads the Landis+Gyr E360 smart meter once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



*The **Test communication** button*



*The **Done** button*

7 Check the readings

7.1 Last measurements

After communication is established, check the values under **Devices** in the Reduxi Configurator.

7.2 Enable control by Reduxi

Set the **control type** of the device as required. For strategies, see **Strategies for Reduxi controller**.

✓ Summary

Preparation (Points 1–2): Use the MAP120 configuration article. Prepare the meter, the Reduxi Landis Converter and the Reduxi Controller or Gateway.

Landis+Gyr E360 (Points 3–4): Connect M-Bus to the converter and RS485 to the Reduxi Controller. Read the serial number and the HDLC address.

Add to Reduxi (Points 5–6): Log in to the Reduxi Configurator, add the energy meter and test communication.

Go live (Point 7): Check the readings and set the control type.

Common issues

ISSUE	SOLUTION
Yellow light is not blinking	The energy meter is not set up by the electricity distributor and does not send data.
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 `admin` is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
`reduxi.local` 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:

Reduxi Converter for Landis+Gyr E350, 450 meter
Reduxi converter for Landis+Gyr meters.

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

List of supported devices
All devices that work with the Reduxi Controller

Strategies for the Reduxi Controller
Energy manager and other strategies explained