

# Pulse counter

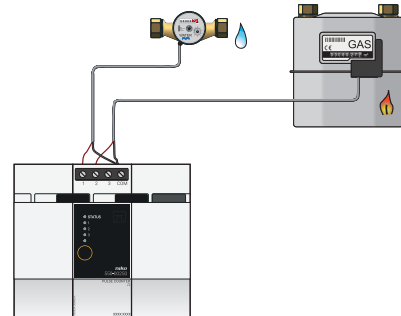
The pulse counter allows you to monitor gas, water and electricity consumption or electricity production. The module has three pulse inputs and can be connected to up to three meters. You connect the module to the pulse output of a gas, water or electricity meter. Only one gas meter and one water meter can be connected to each installation. The scale factor of the pulses (e.g. 1 pulse = 10 litres) and the meter type (gas, water or electricity) can be selected via the programming software. The consumption and, if necessary, also the production will appear on the eco-display. Using the touchscreen or control app, residents can easily monitor their consumption or production and detect deviations. The module is provided with one indication LED and one status LED. For a newly constructed dwelling, you can ask the building supervisor to request a gas or water meter with pulse output from the energy supplier.



# 550-00250

4 year  
warranty

## Pulse counter for Niko Home Control



This module, in combination with the eco display, measures your gas, water or electricity consumption. The resulting measurements are shown on the display. Using the eco display or the energy software, you can monitor the consumption or production and detect deviations. In order to obtain a detailed analysis and history, the system must be equipped with an IP module that logs and saves all of the measured data. The module can be connected to three different meters and is equipped with one feedback LED per channel and one status LED.

Pulse counter for Niko Home Control. The pulse counter allows you to monitor gas, water and electricity consumption as well as electricity production.

This module has three pulse inputs. It can therefore be connected to up to three metres. The pulse counter counts the pulses and converts the sum into m<sup>3</sup> or kWh. The scale factor of the pulses (e.g. 1 pulse = 10 litres) and the meter type (gas, water or electricity) can be selected via the programming software. The eco-display shows the total electricity consumption and the electricity production, if applicable. If you want to keep track of your home's past electricity consumption, then the installation must be fitted with an IP module that logs the measuring data. A detailed overview of these data can be requested via the touchscreen, a smartphone or the Niko Home Control energy software.

If the Niko Home Control installation is fitted with an IP module, then this module can be used to store measuring data. How long the IP module will store this data for will depend on the number of channels in the installation. An overview is provided in the table below. If the resident wishes to store this data for an extended period of time, then he or she must back up this data using the Niko Home Control energy software before the existing data will be overwritten.

Use the programming software to select the currency of your choice: EUR or GBP. Gas and water consumption are expressed in m<sup>3</sup>, and electricity in kWh. The following settings can be selected per channel:

- channel name.
- channel type: gas, water, electricity.
- pulse conversion factor: 1 - 1000 pulses/m<sup>3</sup> for gas and water, 1 - 10 000 pulses/kWh for electricity.
- for electricity: global, consumer, amount generated.

When the module is functioning properly, the STATUS LED will light up in TEST mode only. If one or several errors occur, the LED will blink to indicate the error code of the error with the highest priority.

- maximum pulse frequency per input: 10 Hz
- minimum pulse duration: 30 ms
- only for meters with a pulse output isolated from the mains in accordance with SELV requirements
- measuring units only for information purposes, not valid for invoicing

- Sliding contact to connect the module to the following module on the DIN rail
- Connection terminals: 1 x 4 screw terminals
- Wire capacity: 3 x 1.5 mm<sup>2</sup> or 2 x 2.5 mm<sup>2</sup> or 1 x 4 mm<sup>2</sup> per connection terminal
- Minimum ambient temperature: 0 °C
- Maximum ambient temperature: +45 °C
- DIN dimensions: DIN 2TE
- Dimensions (HxWxD): 91.7 x 35 mm
- Marking: CE

