

VINGTOR STENTOFON

Flowire Converter FCDC3

Getting Started

1 Flowire Connection

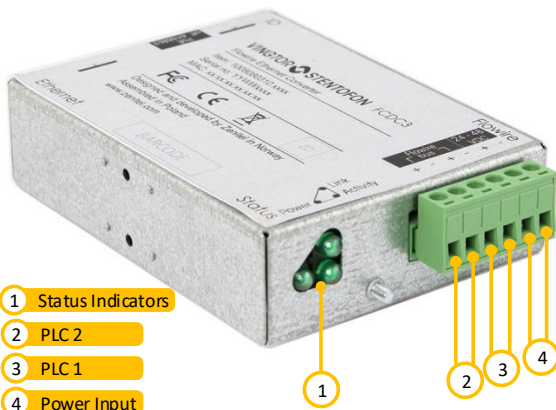
The Flowire Converter (FCDC3) must be connected to the Flowire network star configuration using twisted cabling with positive and negative DC voltage connected as shown on the label. The power supply voltage used depends on the type of devices in the star configuration.

48 VDC PSU : When using Flowire with Vingtor-Stentofon IP intercoms and access panels.

24 VDC PSU : When using Flowire with Vingtor-Stentofon Ex intercoms and access panels.

The converter is equipped with one dedicated power input connection and two connections to the other Flowire converters (PLC 1 & PLC 2).

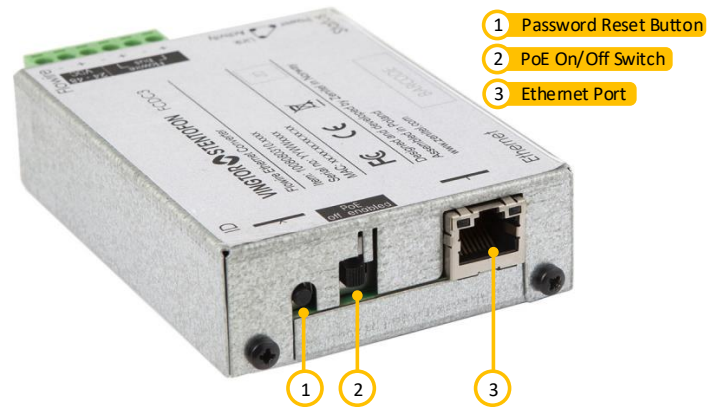
- ① **Please note that the two connections (PLC 1 and PLC 2) are equivalent and that Power Input MUST NOT be connected to other converters.**



For the first converter unit on the configuration, the power input connection shall be used to connect the power supply, while the other connections can be used to connect to the actual star configuration. The power supply may be connected to the power input connection at any point on the star configuration, i.e. it can be connected to any of the Flowire Converters on the star configuration.

2 Ethernet Connection

Ethernet is connected via the RJ45 port. This supports 1 Gbps Ethernet (in and out) and power out over spare pairs. Use the switch next to the RJ45 port to enable/disable PoE power to the spare pairs. The power on the spare pairs is the same voltage as the one supplied to the converter. Hence, at least 40 volts must be applied to the converter in order to ensure stable operation when powering IP intercom stations directly through their Ethernet ports. If the station has a 24-volt input, the voltage can be reduced to 24 volts by separating the spare pairs from the CAT cable and connecting it to this input.



- ① **DO NOT power the Flowire Converter through the RJ45 Ethernet port. Trying to do so with a PoE injector will damage the converter.**
- ① **DO NOT use Gigabit switch with FCDC3 as this will damage the switch**
- ① **The RJ45 port on FCDC3 is NOT a PoE-compatible output but DC voltage on spare pairs which is always present. It MUST NOT be connected to any equipment that can be damaged by this voltage.**

3 Indicator LEDs

The Flowire Converter is equipped with three green LEDs. These indicate the status of the power, the connection/link to Flowire, and whether data is transmitted on Flowire or not.

LED1 - Power: This LED is lit when the converter is receiving enough power for powering up.

LED2 - Link: This LED is lit when the converter recognizes one or more converters on the Flowire star configuration.

LED3 - Activity: This LED flashes when data is transmitted to or from the converter.



4 Password Reset Button

Pressing and holding this button for more than 15 seconds will reset the NMK password to the default: **HomePlugAV0123**

In addition to resetting the NMK password to its default, the procedure will also set the following factory defaults:

- DHCP will be turned on
- IGMP snooping querier will be turned on



5 Example: Star Configuration Flowire Network

