



FCDC3 FLOWWIRE CONVERTER

QUICK GUIDE

A100K11957

About this Document

Document Scope

This document provides a quick guide to setting up the Flowire FDCD3.

Publication Log

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1	5.3.2020	MR/HKL	Published
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Related Documentation

For further information, refer to the following documentation:

Doc. number	Documentation
A100K11959	Flowire Guidelines for Exigo
A100K11958	Flowire Configuration Manual
A100K11960	Replacing Flowire Converter
A100K11xxx	AutoCAD Dimension Drawing
A100K11499	Exigo & Turbine Ex Installation & Maintenance

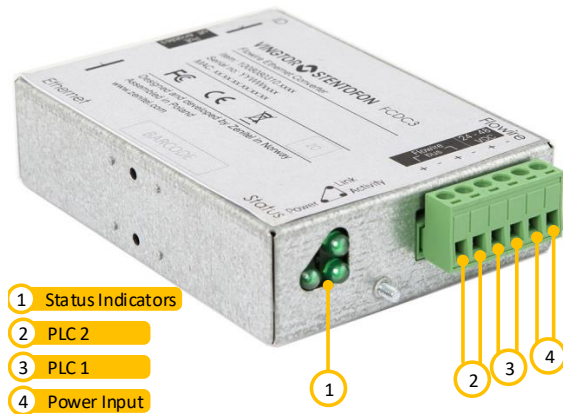
1 Flowire Connection

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 should be 48 VDC.

NOTE! When using the Flowire with legacy Vingtor Stentofon Ex stations and access panel (type name without -V2 at the end) 24VDC power supply voltage must be used. Current Ex stations and access panels can also run on 24VDC, but the external speaker will then be disabled.

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

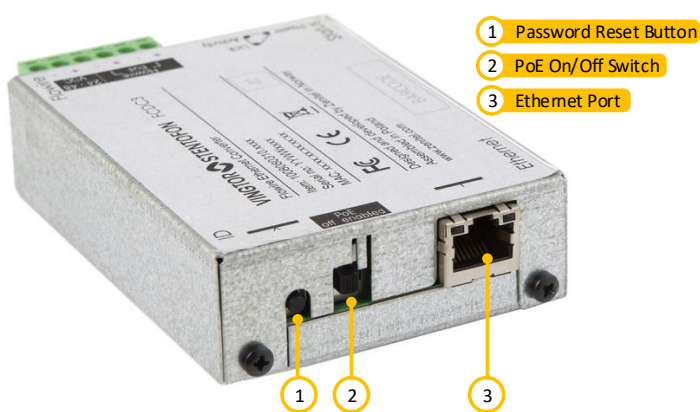
- ① Please note that the two connections (PLC 1 and PLC 2) are equivalent and that Power Input MUST NOT be connected to other converters.



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, but only to ONE converter per cluster.

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 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 when PoE is enabled.

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 will be disabled.



5 Example: Star Configuration Flowire Network

