



# REPLACING FCDC3 FLOWWIRE CONVERTER

## MANUAL

AK100K11960

# 1 Introduction

## 1.1 Document Scope

This document aims to provide the recommended guidelines for replacing Flowire Converter FCDC1/FCDC2 with Flowire Converter FCDC3.

## 1.2 Product Information

Item Number	Item Name	Description
100 8080 310	FCDC3	Flowire Converter 24-48VDC with power-forwarding (PoE, type 2)

## 1.3 Publication Log

Revision	Date	Author	Status/Comments
1.0	9.3.2020		Published
2.0	22.11.2023	CV/AGK	Published

## 1.4 Related Documentation

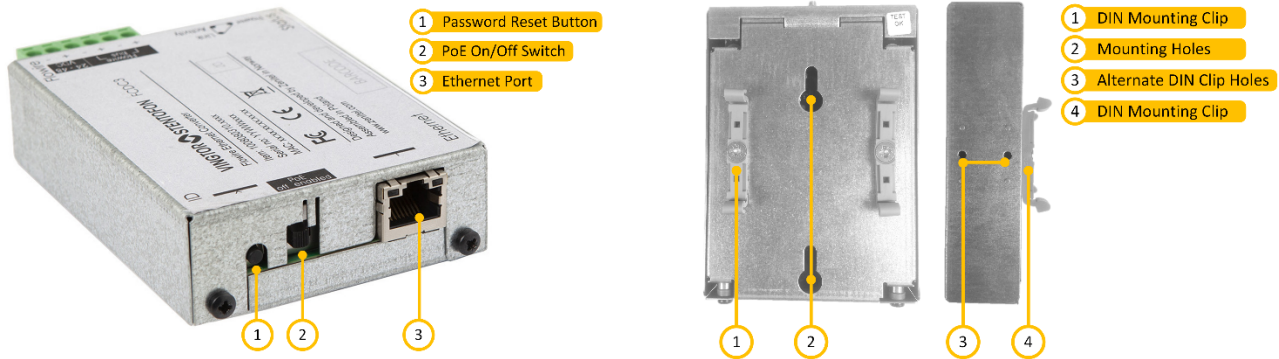
Document No.	Documentation
A100K11957	Flowire Quick Guide
A100K11958	Flowire Configuration Manual
A100K11959	Flowire Guidelines for Exigo

## 2 General Components of Flowire



NOTE

See A100K11958 FCDC3 Flowire Converter Configuration Manual for further information.



NOTE

Pressing and holding the Password Reset Button for more than 15 seconds will reset the NMK password to the default: **HomePlugAV0123**

## 3 Demounting the Old Flowire Converter

To demount the Flowire Converter:

1. Disconnect the Flowire Converter from the power supply, ground wire, and network.
2. Pry the mounting clips loose from the DIN rail of the rack to release the Flowire Converter.

## 4 Replacing a FCDC1/FCDC2 Flowire Converter

If a FCDC3 Flowire Converter is replacing a FCDC1/FCDC2 Converter, the following steps must be taken:

1. Connect a working FCDC2 temporarily to the power supply and network.
2. Update the remaining FCDC1/FCDC2/EX-stations in the network with new software version 4.1.3.13 or higher.
3. Disconnect the temporary FCDC2 from the power supply and network.

## 5 Mounting the New Flowire Converter

To mount the Flowire Converter:

1. Press the Flowire Converter against the rack DIN rail until the mounting clips snap into place.
2. Reconnect the Flowire Converter to the power supply, ground wire, and network.

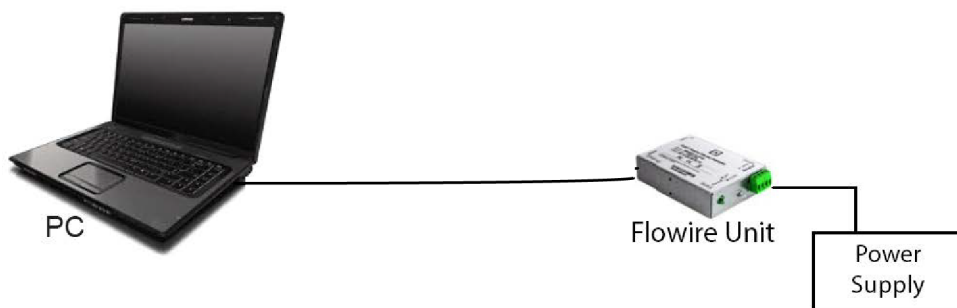
① Note that if a cluster contains a mix of FCDC3 and legacy FCDC1 or FCDC2, then the FCDC3 should always be set to CCo.

## 6 Setting Up the New Flowire Converter

### 6.1 Physical Setup

Isolate the Flowire Converter within its own network by doing the following:

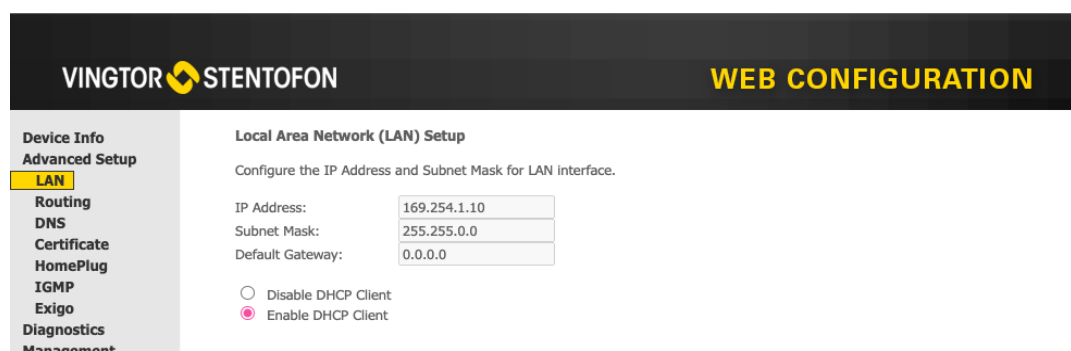
1. Connect the PC to a network switch using a LAN cable
2. Connect the Flowire Converter to the switch using a LAN cable or connect directly to the PC
3. Connect a power supply to the Flowire Converter



### 6.2 Change IP Address

Ensure that the IP address of the PC is in the same network range as that of the Flowire Converter.

1. Power up the Flowire Converter
2. Access the Flowire Converter with the default IP address **169.254.1.10** via a web browser
  - Default username and password for the FCDC3 is **username/password:admin/alphaadmin**



3. Select **Advanced Setup > LAN**
4. Change the **IP Address, Subnet Mask** and **Default Gateway** to the one specified for the project
5. Click **Apply/Save**

### 6.3 Change Network Management Key (NMK)/Network password

NMK should be changed to one specified for the project. This will ensure that the Flowire Converter can communicate with a Flowire Converter at the other end of the Flowire line. Two Flowire Converters connected together require the same NMK to communicate.

1. Log into the Flowire device by entering its IP address in a web browser



2. Select **Advanced Setup > HomePlug > Network password**

## HomePlug -- Network password

Please enter below up to 32 characters to change the current network password and click "Apply/Save".  
Note that setting a new password might disconnect the PLC from current associated devices.

Network  
password:

3. Enter a new password in the **Network password** field
4. Click **Apply/Save**
  - The NMK Password may be up to 32 characters long and is case sensitive.
  - Default NMK: **HomePlugAV0123**

DOC NO.

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