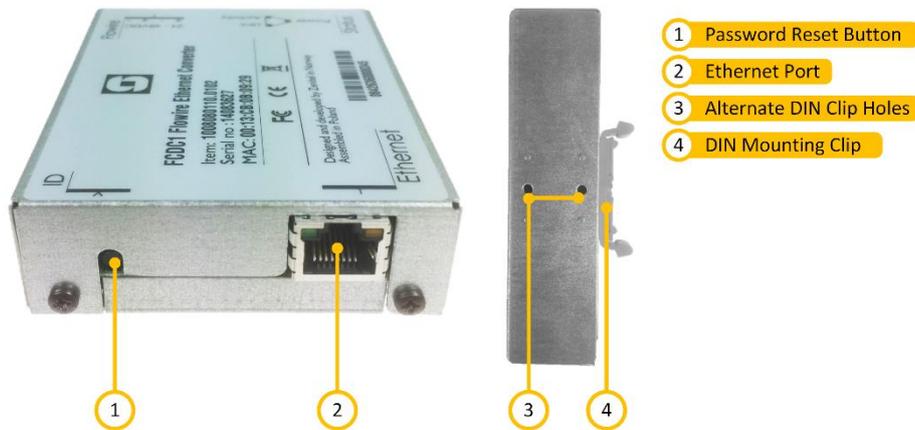


Replacing Flowire Converter FCDC1/FCDC2

| Item Number | Item Name | Description |
|--------------|-----------|--|
| 100 8080 110 | FCDC1 | Flowire Converter 24-48VDC with power-forwarding (PoE, type 2) |
| 100 8080 210 | FCDC2 | Flowire Converter 24VDC non-PoE |



See A100K11422 Flowire Converter Configuration Manual for further information.



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

1 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.

2 Mounting the New Flowire Converter

To mount the Flowire Converter:

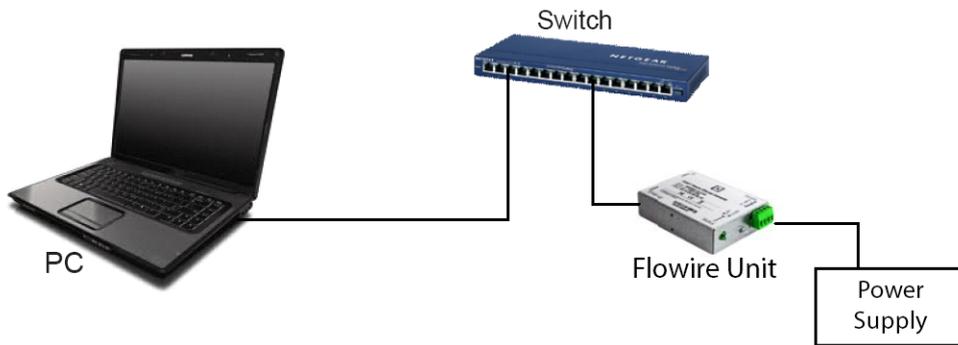
1. Press the Flowire Converter against the DIN rail of the rack until the mounting clips snap into place.
2. Reconnect the Flowire Converter to the power supply, ground wire, and network.

3 Setting Up the New Flowire Converter

3.1 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
3. Connect a power supply to the Flowire Converter



3.2 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
 - FCDC1 has PoE injected on the spare pairs in the network port, so either use an Ethernet cable where these signals are disconnected or a PC which can handle this.

Information form

Flowire device configuration and upgrade

TFTP server IP address:

Upgrade Full upgrade

Flowire NMK:

Change NMK

Flowire static IP:

169.254.1.11

Set static IP

3. Change the IP address to the one specified for the project
4. Click **Set static IP**

3.3 Change Network Management Key (NMK)

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

192.168.1.12/goform/zForm_stn_info

Upgrade form

Flowire device information

| | |
|--------------------|-------------------|
| IP Address: | 192.168.1.12 |
| Subnet Mask: | 255.255.255.0 |
| IP Address Static: | 169.254.1.10 |
| MAC Address: | 00:13:CB:0A:0D:1A |
| Hardware Type: | 8029 |
| Hardware Version: | 1 |
| Software Version: | 4.1.3.0 |
| Station Mode: | Flowire |
| NMK Password: | HomePlugAV0123 |

Diagnostics

| | |
|--------------------|---------|
| Uptime (seconds): | 6965.71 |
| Total Memory (kB): | 26288 |
| Free Memory (kB): | 19112 |

Trace Log Folder

ls: /usr/local/trace/: No such file or directory

HPAV info

STATUS = authenticated
CCO = station
BACKUP_CCO = no

2. Click the **Upgrade form** button

192.168.1.12/goform/zForm_stn_upg

Information form

Flowire device configuration and upgrade

TFTP server IP address:

192.168.1.2

Upgrade Full upgrade

Flowire NMK:

Hw48kqp4

Change NMK

Flowire static IP:

Set static IP

3. Enter a new password in the **Flowire NMK** field
4. Click **Change NMK**
 - The NMK Password must be between 8 and 64 characters long, and is case sensitive.
 - Default NMK: **HomePlugAV0123**