

1008080310


## FCDC3

Flowire Ethernet Converter - DC Voltage



- ✓ One single-paired cable can be used to distribute power and data network
- ✓ Switch to toggle between PoE forwarding on and off
- ✓ The cable hauls can be longer, reducing the need for switches and/or repeaters
- ✓ Up to 9 Flowire devices can be connected to the same 2-wire network structure
- ✓ Existing two-wire infrastructure can be used reducing the total cost of retrofit projects
- ✓ The Flowire Converter can be used with any Ethernet enabled device

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 IP over 2-wire

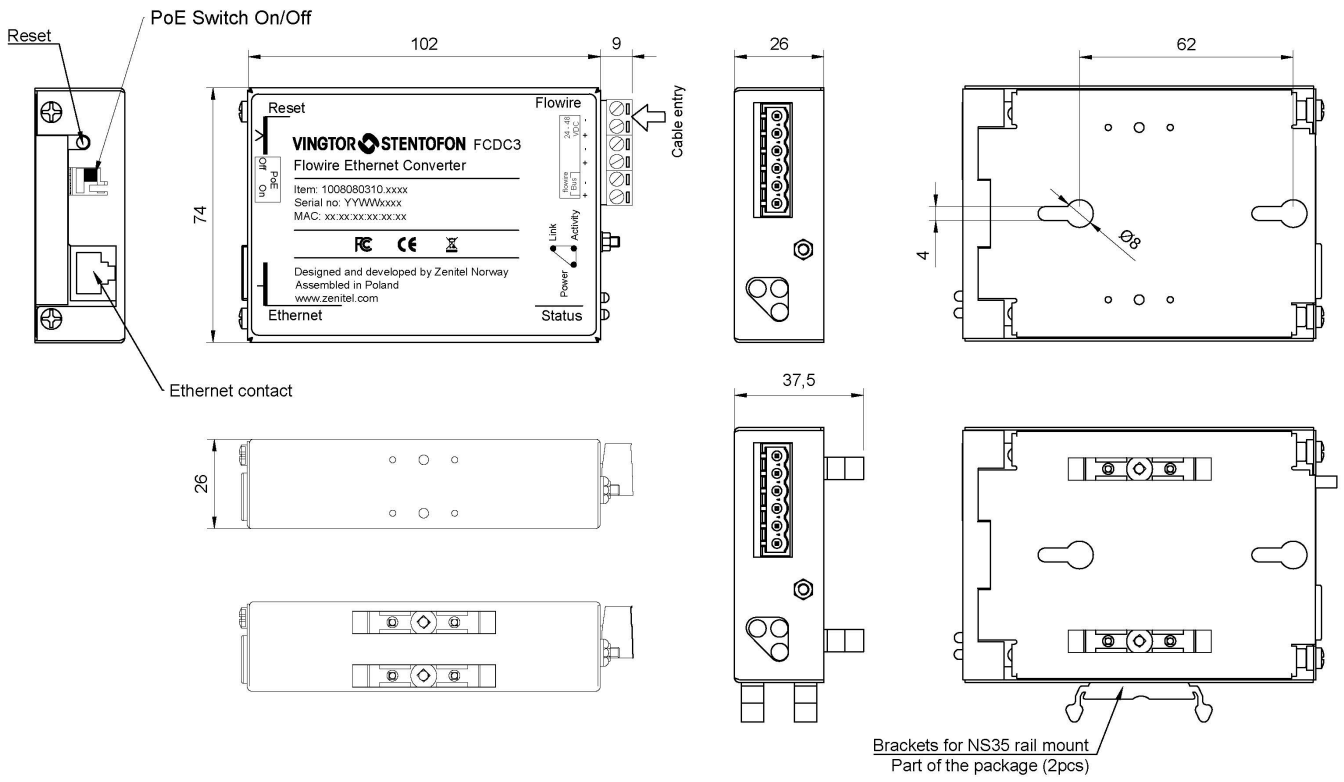
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## Description

The FCDC3 Flowire Converter enables Ethernet to run on the same two wires as power, providing simpler cabling and opens up for longer cable hauls. The Flowire Converter is also capable of powering Ethernet devices attached to it, such as IP intercom stations and CCTV cameras.

Learn more on our [Flowire Wiki Page](#)

## Technical Dimensions



# Specifications

## MECHANICAL

Dimensions	107 x 74 x 26 mm
Weight	300 g
Mounting	Wall mount or DIN rail
IP rating	IP 20

## ENVIRONMENTAL

Operating temperature	-40°C to +70°C
Operating humidity	15% to 95% (non-condensing)
Storage temperature	-40°C to + 70°C
Storage humidity	10% to 95% (non-condensing)

## NETWORK

Flowire	Up to 400 Mbps @ 100m *), Up to 200 Mbps @ 500m *), *) Tested under typical conditions. Available bandwidth depends on cable type, cable length and number of attached devices. Total cable length for a Flowire cluster should not exceed 600 m.
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## ELECTRICAL

Nominal voltage	V NOM = 24VDC – 48VDC, V MIN = 18VDC, V MAX = 56VDC
Power consumption	P NOM = 2.5W, P MAX = 6W
Power forwarding, compatible with PoE Mode B (Spare pair)	P MAX = 15W
Note	Max power feed to a Flowire cluster is 3A. If the power supply can deliver more, an external fuse is recommended.

## ELECTROMAGNETIC COMPATIBILITY (EMC)

Immunity	IEC/EN 60945:2002/Cor1:2008, EN 61000-6-2:2005
Emissions	IEC/EN 60945:2002/Cor1:2008, EN 61000-6-3:2007+A1:2011

## Accessories



Power supply 100-240VAC/24VDC 2A

Switched-mode power supply, 1-phase, 24 VDC output voltage, 2A current

Item Number: 2990000063



Power Supply 100-240VAC/48VDC 2A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 2A current

Item Number: 2990000065



Power Supply 100-240VAC/24VDC 4A

Switched-mode power supply, 1-phase, 24 VDC output voltage, 4A current

Item Number: 2990000064



Power supply 100-240VAC/48VDC 5A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 5A current

Item Number: 2990000066