

# VISY-X

## VISY-Command Web - Printer Retrofit



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## Table of contents

<b>1</b>	<b>Overview.....</b>	<b>1</b>
<b>2</b>	<b>Scope of Delivery .....</b>	<b>1</b>
<b>3</b>	<b>Installation .....</b>	<b>2</b>
3.1	VISY-Command Web for Retrofitting.....	2
3.2	Preparations.....	3
3.3	Display Installation .....	8
3.4	Installation of the new Housing Door .....	10
3.5	Cabling and Fixing .....	11
<b>4</b>	<b>List of Figures .....</b>	<b>16</b>

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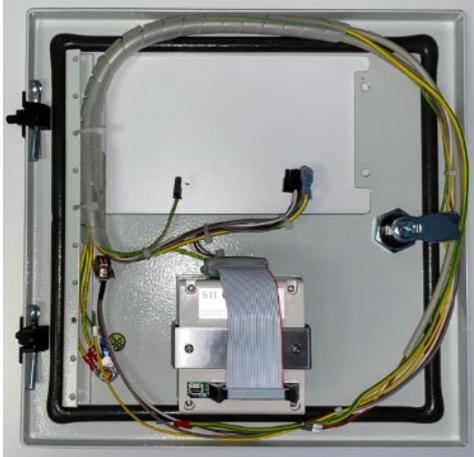
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## 1 Overview

**VISY-Command Web** is the evaluation unit **VISY-Command** with **SECON-Client Display** to show (locally and remotely) the current tank data, delivery data and various alarms that are recorded by the **VISY-X system**. It can be retrofit with an additional printer.

This manual describes how to retrofit a printer to the **VISY-Command Web**.

## 2 Scope of Delivery

	<p><b>Housing door with built-in printer</b></p> <p>Pre-cabled for:</p> <ul style="list-style-type: none"> <li>• Connection to the display</li> <li>• Connection to the service interface</li> <li>• Connection to the 12 V power supply (display)</li> <li>• Connection to the 5 V power supply (printer)</li> <li>• Grounding (display, printer, device housing)</li> </ul>
	<p><b>5V<sub>DC</sub> Power Supply Unit</b></p>
	<p><b>230 V<sub>AC</sub> Power Supply Cable</b></p>
	<p><b>Cable ties</b></p>

### 3 Installation

#### 3.1 VISY-Command Web for Retrofitting

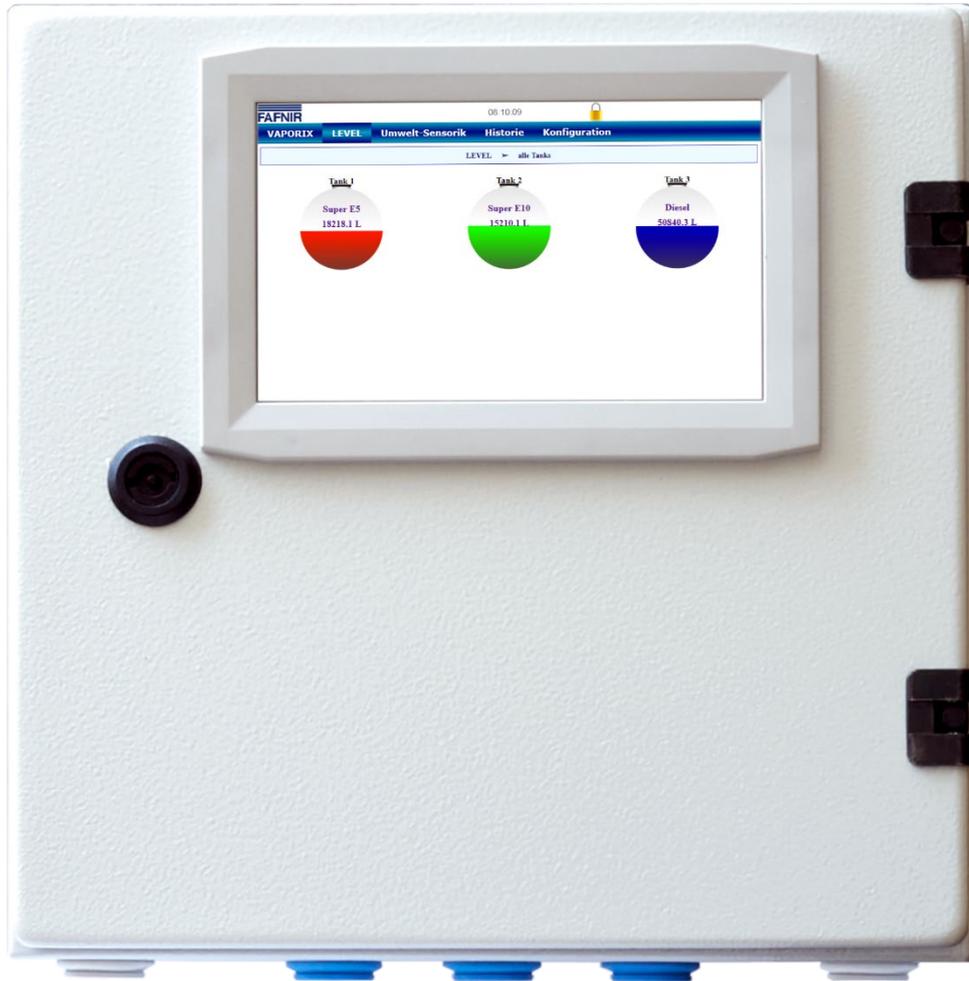


Figure 1: VISY-Command Web

### 3.2 Preparations



*Disconnect the VISY-Command Web from power supply before opening the housing.*

- (1) Open VISY-Command Web with the housing key

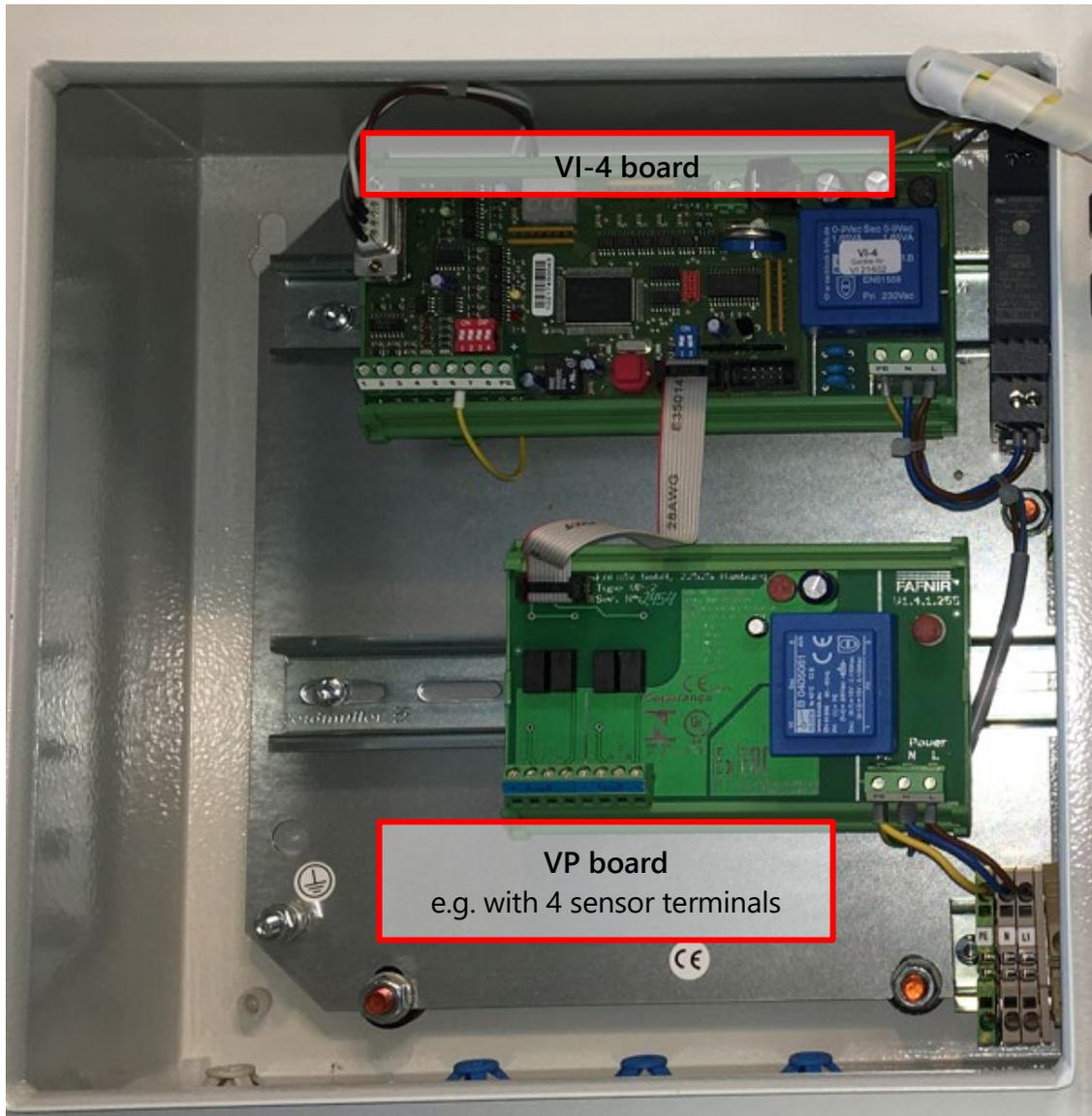


Figure 2: VISY-Command 4 Web, inner view

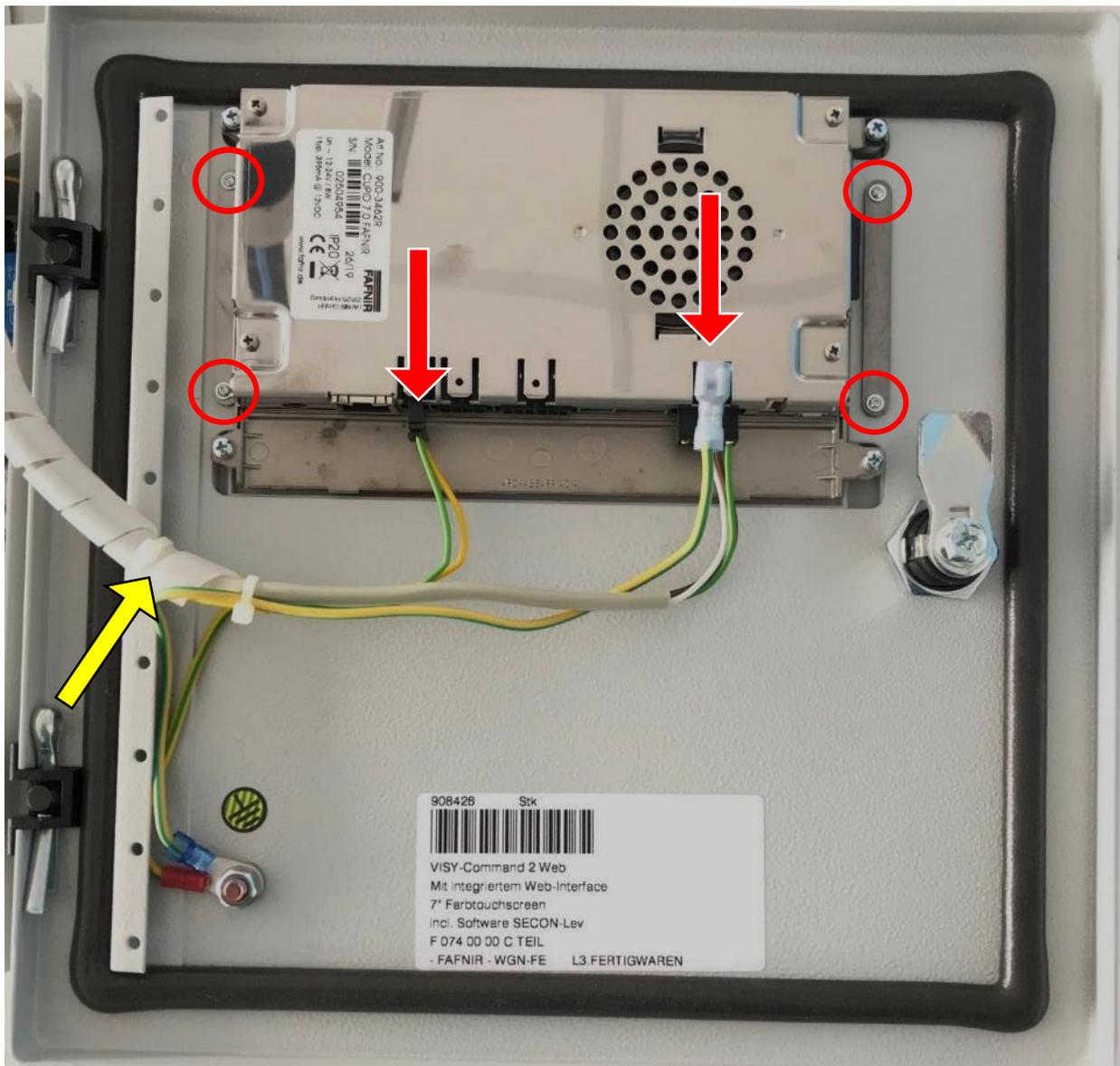


Figure 3: VISY-Command Web housing door, back

- (2) Disconnect all cables from the display (red arrows)
- (3) Remove the display from the housing door (red circles).  
A TORX screwdriver size T6 is required for this.
- (4) Remove the cable spiral (yellow arrow)

- (5) Remove the spring clip from the 12 V<sub>DC</sub> power supply unit with a flat head screwdriver to be able to remove the power supply unit



Figure 4: 12 V Power supply unit, spring clip

- (6) Remove the cables from the VI-4 board (red circles)
- Power supply cable (12 V<sub>DC</sub>) for the display
  - Cable connector at the service interface (or host interface)
  - Grounding cable at the extension interface (yellow)
  - Ribbon cable at the VI-4 board

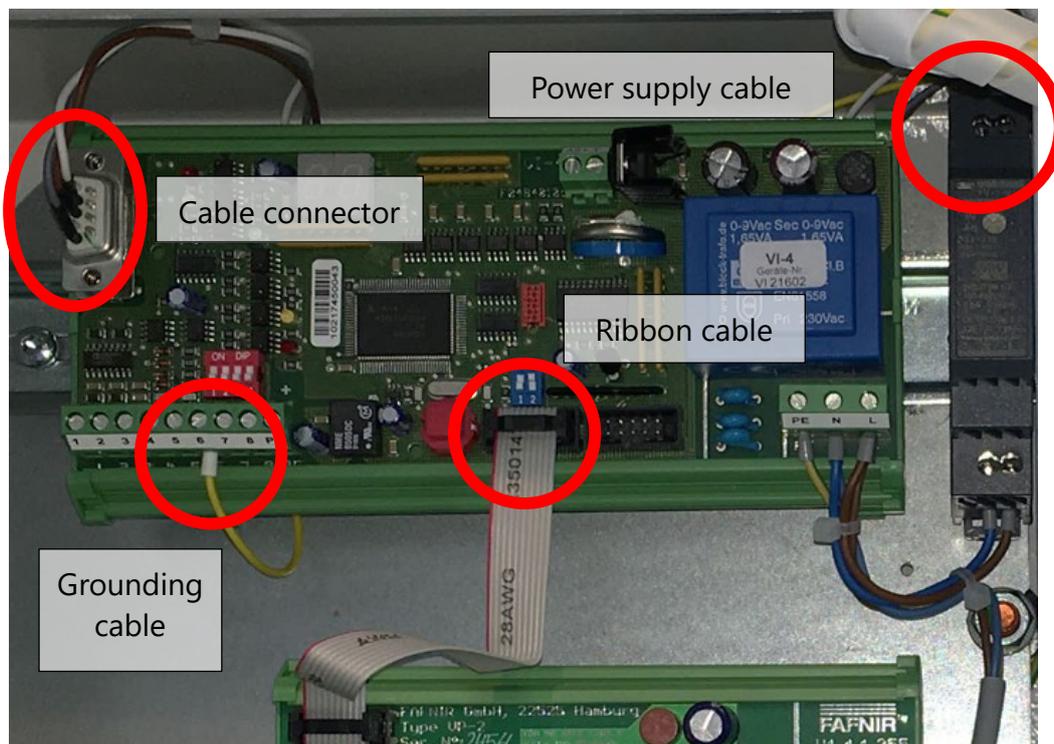


Figure 5: VI-4 board, cabling

- (7) Remove the grounding cable from the side wall of the housing



Figure 6: VISY-Command GUI, right side wall

- (8) Using a flat-head screwdriver, press the two VI-4 board holders (red arrows) down to be able to lever the board from the DIN rail.



Figure 7: VI-4 Board, fixing

- (9) Turn the VI-4 board forward and cut the cable tie which fixes the cables to the VI-4 board.

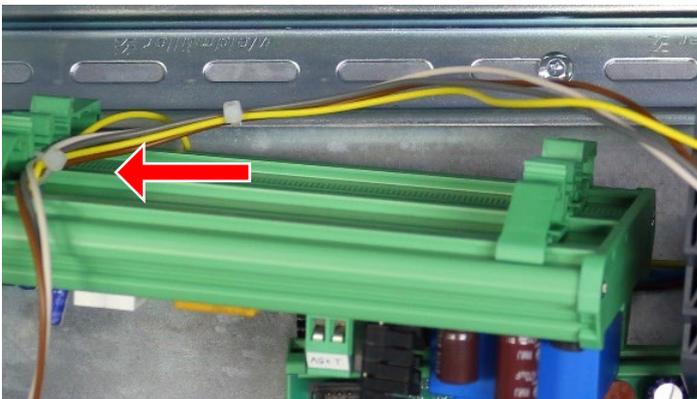


Figure 8: VI-4 board, cable tie

- (10) Remove the grounding cable from the VI-4 board and the housing wall
- (11) Remove the 230 V<sub>AC</sub> power supply cable from the VI-4 board, from the 12V<sub>DC</sub> power supply unit, from the VP board and from the power supply terminal (red circles)

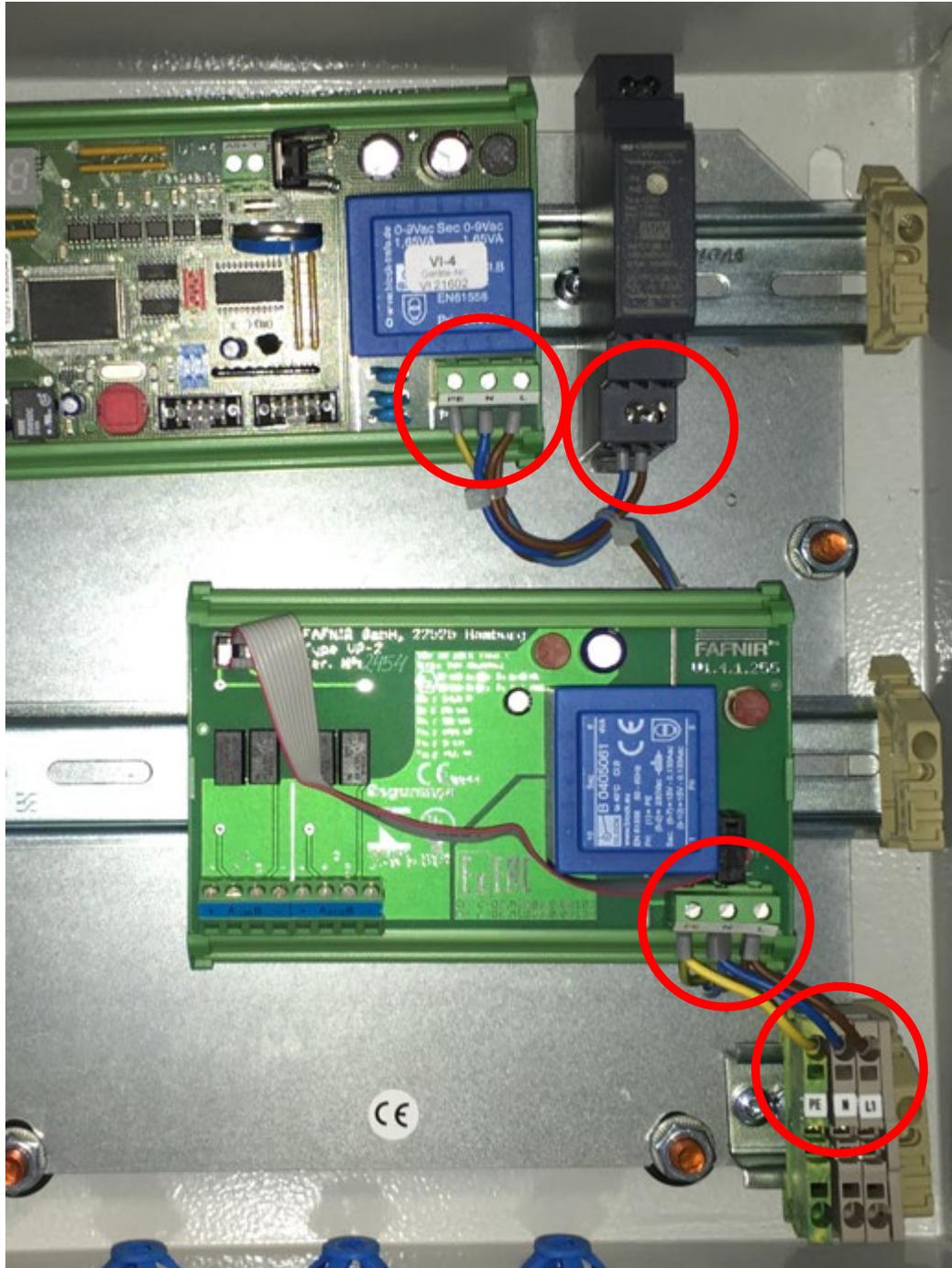


Figure 9: Power supply cabling

- (12) Remove the screw nuts from the door hinges on the housing inside and remove the housing door

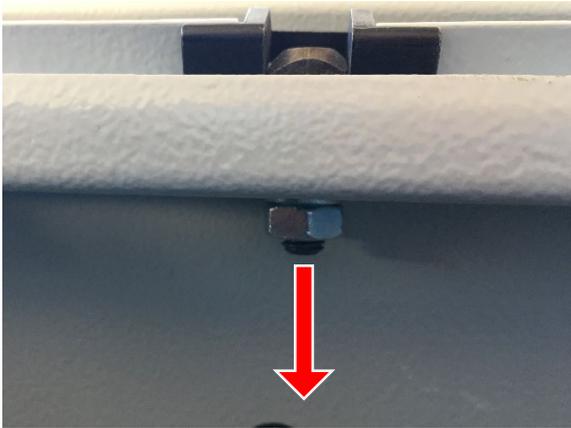


Figure 10: Housing door, fixing

### 3.3 Display Installation

- (1) Lay the display face down on a table. Make sure that it is protected against damages.
- (2) Place the new housing door over the display so that the display's mounting holes are visible.
- (3) Fix the display with the 2 rails (red rectangles) and the 4 screws to the housing door.



Figure 11: Display, fixing

- (4) Plug the cables (red arrows) in the display. The cable plugs have an individual design and are therefore non-interchangeable.

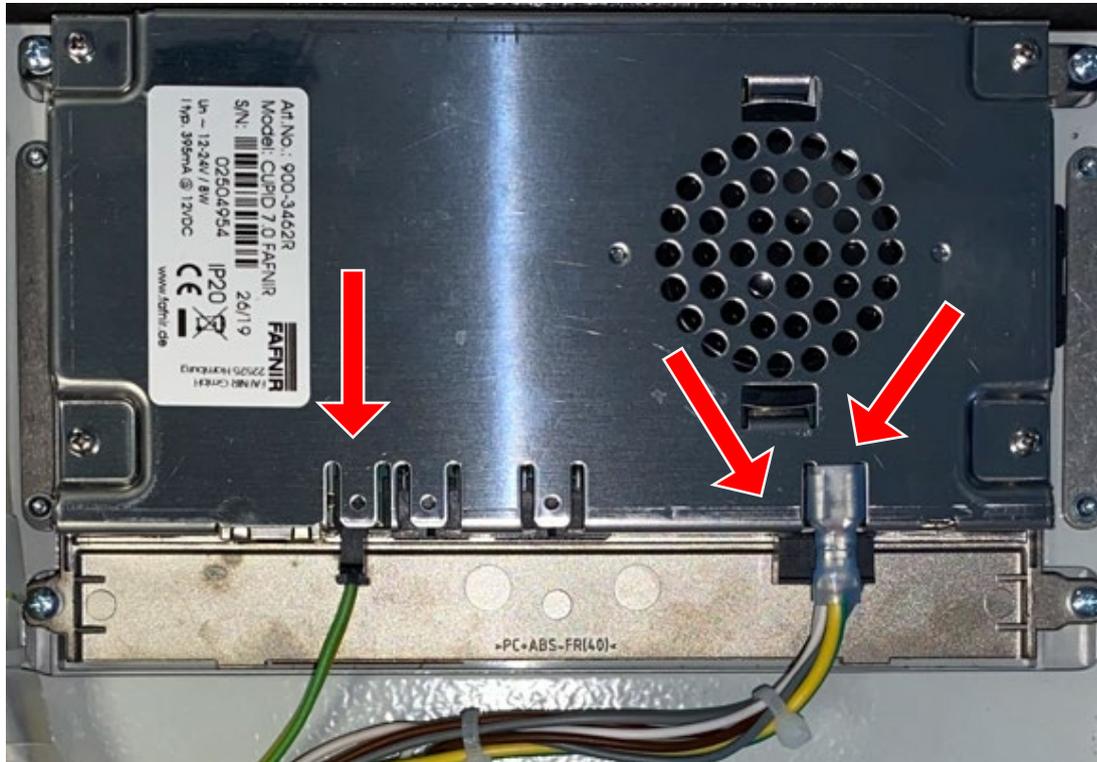


Figure 12: Display, cabling

### 3.4 Installation of the new Housing Door

- (1) Plug the threads of the door hinges in the openings of the housing

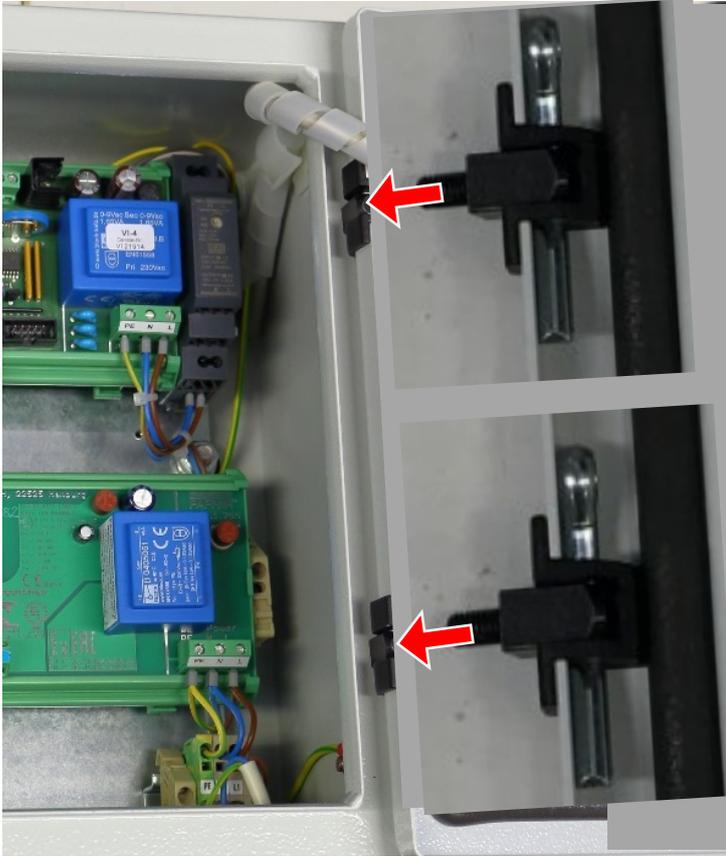


Figure 13: Installation of the new housing door

- (2) Fix the housing door with the washers and the screw nuts to the housing

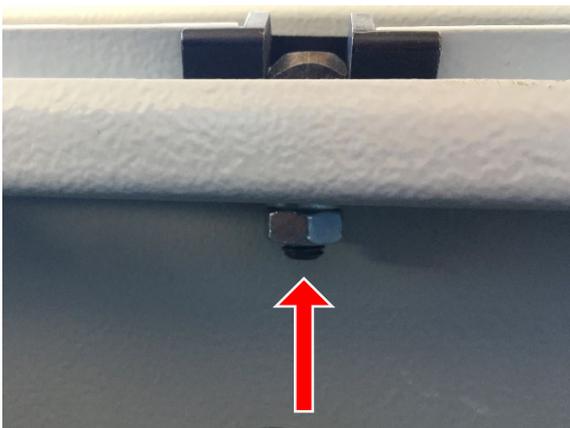


Figure 14: Housing door, fixing

### 3.5 Cabling and Fixing

- (1) Lead the cable harness inside the housing interior
- (2) Rewrap the cable harness with the cable spiral
- (3) Lay the cables to the VI-4 extension interface (yellow, white, brown) underneath the VI-4 board and fasten them with a cable tie to the underside of the board holders

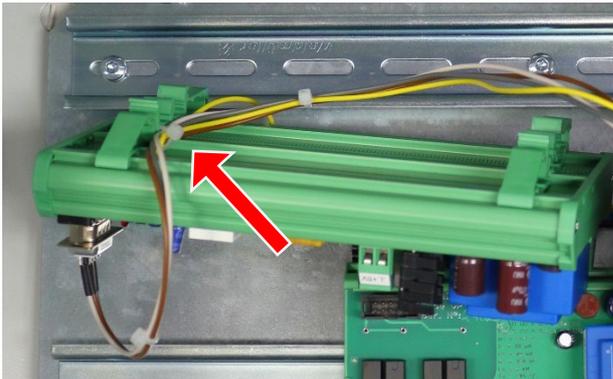


Figure 15: VI-4 board, cable fixing

- (4) Press the VI-4 board on the DIN rail and let it snap in
- (5) Connect the cables to the VI-4 board (red arrows) according to following table:

Terminal	Assignment
VI-4 service interface	DB9 cable connector
Terminal 6	yellow

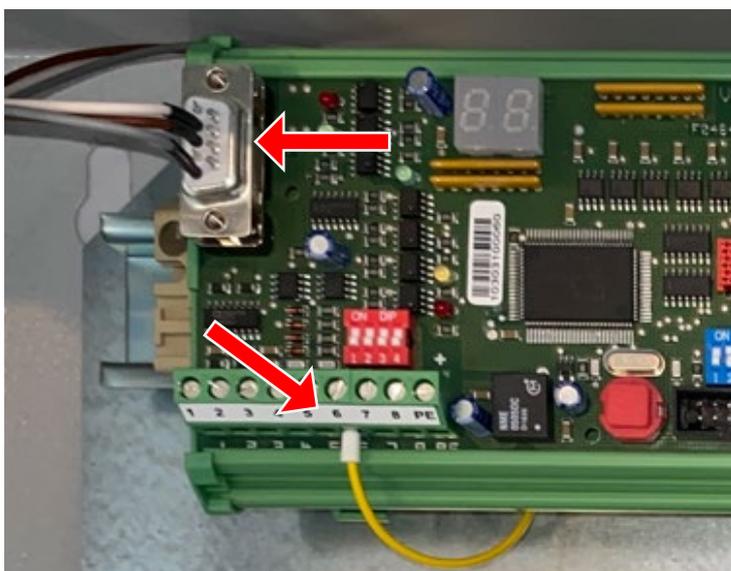


Figure 16: VI-4 board, cabling

- (6) Place the 5 V power supply unit beside the 12 V power supply unit and connect the cables according to the following table:

Terminal	Assignment
12 V Power supply unit	Green = V+ Yellow = V-
5 V Power supply unit	Brown = V+ White = V-

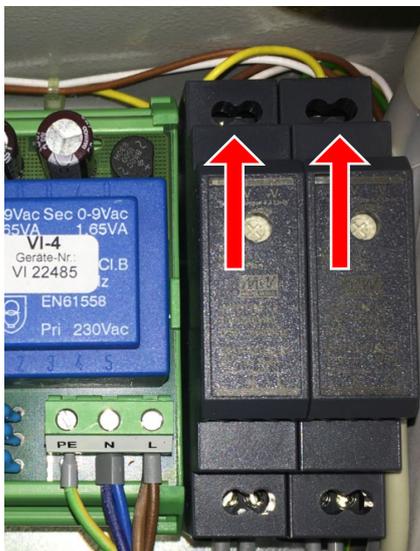


Figure 17: Power supply units, cabling

- (7) Connect the power supply cables (yellow/green, blue, brown) to the 230 V power supply unit, to the 12 V power supply unit, to the 12 V power supply unit and to the power supply terminal (red circles) according to the following table:

Terminal	Assignment
230 V power supply unit and Power supply terminal	Yellow - green = PE Blue = N Brown = L
12 V power supply unit	Blue = N Brown = L
5 V power supply unit	Blue = N Brown = L



Figure 18: Power supply cabling



Figure 19: Power supply terminal

- (8) Press both power supply units on the DIN rail and to fix the power supply units, push the spring clips with the flat head screwdriver in the DIN rail.



Figure 20: Power supply units, fixing

- (9) Connect the grounding cable again to the side wall of the housing



Figure 21: VISY-Command Web, right side wall

- (10) Connect the VI-4 board and the VP board again with the ribbon cable
- (11) Installation is completed, the result should look like the following figure.



*The cables must all be routed in such a way that none can fall into the Ex-approved area of the VP board.*

(12) Result

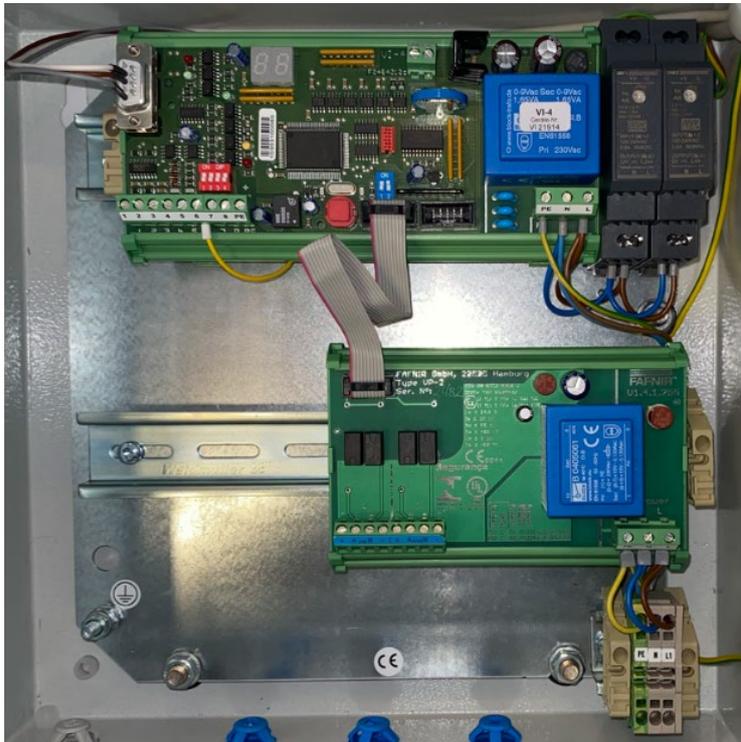


Figure 22: VISY-Command Web with printer, inside view

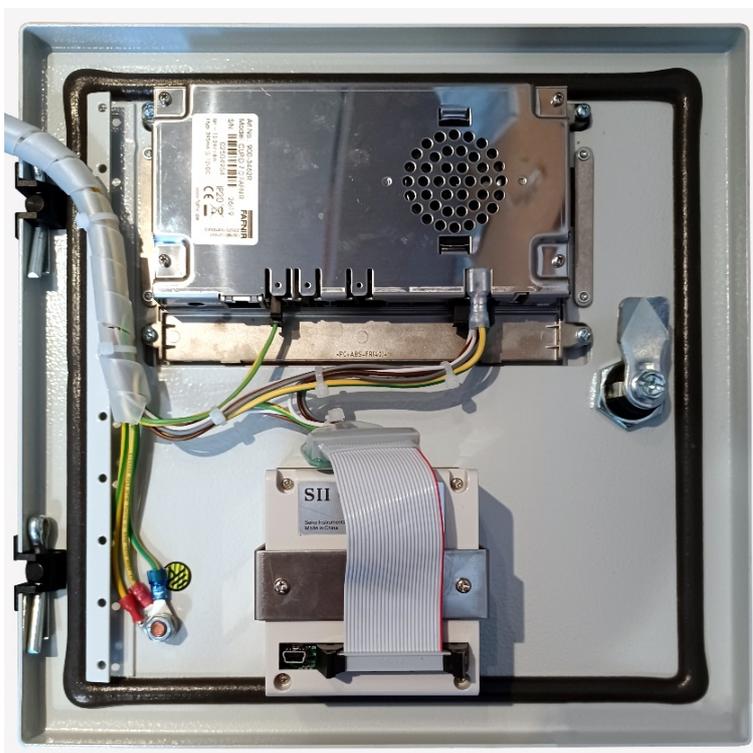


Figure 23: VISY-Command Web with printer, housing door

## 4 List of Figures

Figure 1: VISY-Command Web.....	2
Figure 2: VISY-Command 4 Web, inner view .....	3
Figure 3: VISY-Command Web housing door, back.....	4
Figure 4: 12 V Power supply unit, spring clip.....	5
Figure 5: VI-4 board, cabling.....	5
Figure 6: VISY-Command GUI, right side wall .....	6
Figure 7: VI-4 Board, fixing .....	6
Figure 8: VI-4 board, cable tie .....	6
Figure 9: Power supply cabling .....	7
Figure 10: Housing door, fixing .....	8
Figure 11: Display, fixing.....	8
Figure 12: Display, cabling .....	9
Figure 13: Installation of the new housing door .....	10
Figure 14: Housing door, fixing .....	10
Figure 15: VI-4 board, cable fixing.....	11
Figure 16: VI-4 board, cabling .....	11
Figure 17: Power supply units, cabling.....	12
Figure 18: Power supply cabling.....	13
Figure 19: Power supply terminal.....	13
Figure 20: Power supply units, fixing .....	14
Figure 21: VISY-Command Web, right side wall.....	14
Figure 22: VISY-Command Web with printer, inside view .....	15
Figure 23: VISY-Command Web with printer, housing door .....	15

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