

# GEMÜ 4240

Combi switchbox

EN

## Operating instructions



further information  
webcode: GW-4240



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## 1 General information

### 1.1 Information

- The descriptions and instructions apply to the standard versions. For special versions not described in this document the basic information contained herein applies in combination with any additional special documentation.
- Correct installation, operation, maintenance and repair work ensure faultless operation of the product.
- Should there be any doubts or misunderstandings, the German version is the authoritative document.
- Contact us at the address on the last page for staff training information.

### 1.2 Symbols used

The following symbols are used in this document:

Symbol	Meaning
●	Tasks to be performed
►	Response(s) to tasks
–	Lists

### 1.3 Warning notes

Wherever possible, warning notes are organised according to the following scheme:

SIGNAL WORD	
Possible symbol for the specific danger	<b>Type and source of the danger</b> <ul style="list-style-type: none"> <li>► Possible consequences of non-observance.</li> <li>● Measures for avoiding danger.</li> </ul>

Warning notes are always marked with a signal word and sometimes also with a symbol for the specific danger.

The following signal words and danger levels are used:

⚠ DANGER	
	<b>Imminent danger!</b> <ul style="list-style-type: none"> <li>► Non-observance can cause death or severe injury.</li> </ul>
⚠ WARNING	
	<b>Potentially dangerous situation!</b> <ul style="list-style-type: none"> <li>► Non-observance can cause death or severe injury.</li> </ul>
⚠ CAUTION	
	<b>Potentially dangerous situation!</b> <ul style="list-style-type: none"> <li>► Non-observance can cause moderate to light injury.</li> </ul>



## NOTICE



### Potentially dangerous situation!

- Non-observance can cause damage to property.

The following symbols for the specific dangers can be used within a warning note:

Symbol	Meaning
	Danger of explosion!
	Electric shock by high voltage

## 2 Safety information

The safety information in this document refers only to an individual product. Potentially dangerous conditions can arise in combination with other plant components, which need to be considered on the basis of a risk analysis. The operator is responsible for the production of the risk analysis and for compliance with the resulting precautionary measures and regional safety regulations.

The document contains fundamental safety information that must be observed during commissioning, operation and maintenance. Non-compliance with these instructions may cause:

- Personal hazard due to electrical, mechanical and chemical effects.
- Hazard to nearby equipment.
- Failure of important functions.
- Hazard to the environment due to the leakage of dangerous substances.

The safety information does not take into account:

- Unexpected incidents and events, which may occur during installation, operation and maintenance.
- Local safety regulations which must be adhered to by the operator and by any additional installation personnel.

### Prior to commissioning:

1. Transport and store the product correctly.
2. Do not paint the bolts and plastic parts of the product.
3. Carry out installation and commissioning using trained personnel.
4. Provide adequate training for installation and operating personnel.
5. Ensure that the contents of the document have been fully understood by the responsible personnel.
6. Define the areas of responsibility.
7. Observe the safety data sheets.
8. Observe the safety regulations for the media used.

**During operation:**

9. Keep this document available at the place of use.
10. Observe the safety information.
11. Operate the product in accordance with this document.
12. Operate the product in accordance with the specifications.
13. Maintain the product correctly.
14. Do not carry out any maintenance work and repairs not described in this document without consulting the manufacturer first.

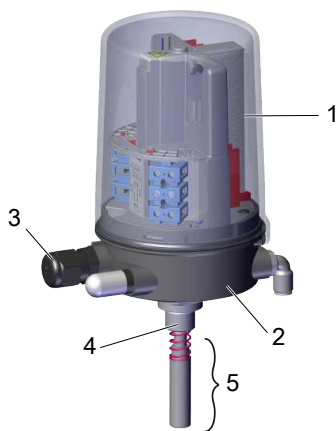
**In cases of uncertainty:**

15. Consult the nearest GEMÜ sales office.

closed, the spring in the mounting kit presses the spindle in the combi switchbox downwards and indicates that the valve is CLOSED using the communication interface.

### 3 Product description

#### 3.1 Construction



Item	Name	Materials
1	Housing cover	PC
2	Housing base	PPS
3	Electrical connection	SS, PP
4	Adapter piece	SS
5	Mounting kit, valve specific	SS, PP
	Seals	NBR

#### 3.2 Description

The GEMÜ 4240 combi switchbox is suitable for mounting to pneumatically operated linear actuators. The position of the valve spindle is reliably detected electronically and fed back via microswitches or proximity switches, using play-free and non-positive mounting. Integrated pilot valves enable direct activation of the process valve connected to them. The product has been designed specially for valves with a stroke of 5 to 75 mm.

#### 3.3 Function

The GEMÜ 4240 combi switchbox indicates the current position of the valve. When the valve is opened, the spindle in the combi switchbox moves upwards and indicates that the valve is OPEN using the communication interface. When the valve is

## 4 GEMÜ CONEXO

### Order variant

In the corresponding design with CONEXO, this product has an RFID chip (1) for electronic identification purposes. The position of the RFID chip can be seen below. The CONEXO pen helps read out information stored in the RFID chips. The CONEXO app or CONEXO portal is required to display this information.



For further information please read the operating instructions for CONEXO products or the CONEXO datasheet.

Products such as the CONEXO app, the CONEXO portal and the CONEXO pen are not included in the scope of delivery and need to be ordered separately.

## 5 Correct use

### DANGER



#### Danger of explosion!

- Risk of death or severe injury
- Do **not** use the product in potentially explosive zones.

### WARNING

#### Improper use of the product!

- Risk of severe injury or death
- Manufacturer liability and guarantee will be void.
- Only use the product in accordance with the operating conditions specified in the contract documentation and in this document.

The product is not intended for use in potentially explosive areas.

The product is designed for mounting to pneumatically operated linear actuators. The position of the valve spindle is electronically detected and reported via microswitches or proximity switches through play-free and non-positive mounting. Integrated pilot valves enable direct activation of the process valve connected to them.

- Use the product in accordance with the technical data.

## 6 Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Note: A valve specific mounting kit is required for assembly. For designing the mounting kit, the valve type, nominal size, control function and actuator size must be stated.

### Order codes

1 Type	Code	7 Pneumatic connection	Code
Combi switchbox	4240	Air supply 6 mm T-connection, exhaust air 6 mm angled connection	05
2 Fieldbus	Code	G1/8 connection thread (for IP67 or piped air outlet)	E1
Without	000		
3 Accessory	Code	8 Switch	Code
Accessory	Z	Change-over contact, microswitch, 24 V DC, 250 V AC Crouzet, V4S, SPDT	M1
4 Housing material	Code	Proximity switch, 2-wire, NAMUR P+F, HJ1.5-6.5-15-N-Y180094	N1
PPS base, PC cover	01	Proximity switch, 3-wire, make contact, PNP, 10–30 V DC Balluff, BES 516-371-SA 16	P1
5 Action	Code	9 Connection diagram	Code
Single acting, with manual override	01	Microswitch	M1
Double acting, with manual override	02	Terminals, NAMUR	N1
Single acting, without manual override	E1	3-wire	P1
6 Electrical connection	Code	10 Travel length	Code
M16 Skintop cable gland	03	Potentiometer, 75 mm length	075
7 Pneumatic connection	Code		
G1/8 connection thread	01		
Air supply 6 mm angled connection, exhaust air 6 mm angled connection	04		

### Order example

Ordering option	Code	Description
1 Type	4240	Combi switchbox
2 Fieldbus	000	Without
3 Accessory	Z	Accessory
4 Housing material	01	PPS base, PC cover
5 Action	01	Single acting, with manual override
6 Electrical connection	03	M16 Skintop cable gland
7 Pneumatic connection	04	Air supply 6 mm angled connection, exhaust air 6 mm angled connection
8 Switch	M1	Change-over contact, microswitch, 24 V DC, 250 V AC Crouzet, V4S, SPDT
9 Connection diagram	M1	Microswitch
10 Travel length	075	Potentiometer, 75 mm length

## 7 Technical data

### 7.1 Medium

<b>Working medium:</b>	Compressed air and inert gases Quality classes to DIN ISO 8573-1
<b>Dust content:</b>	Class 3, max. particle size 5 µm, max. particle density 5 mg/m³
<b>Pressure dew point:</b>	<b>Size 1</b> Class 3, max. pressure dew point -20 °C or a minimum of 10 °C below the ambient temperature <b>Size 2</b> Class 4, max. pressure dew point +3 °C
<b>Oil content:</b>	<b>Size 1</b> Class 3, max. oil concentration 1 mg/m³ <b>Size 2</b> Class 5, max. oil concentration 25 mg/m³

### 7.2 Temperature

<b>Ambient temperature:</b>	0 to 60 °C
<b>Media temperature:</b>	0 – 50 °C
<b>Storage temperature:</b>	-10 – 70 °C

### 7.3 Pressure

<b>Operating pressure:</b>	2 – 7 bar Observe the maximum control pressure of the valve actuator.
<b>Flow rate:</b>	250 NI/min

### 7.4 Product compliance

<b>Machinery Directive:</b>	2006/42/EC
<b>EMC Directive:</b>	2014/30/EU (only code N1 and P1)
<b>Low Voltage Directive:</b>	2014/35/EU (only code M1)
<b>RoHS Directive:</b>	2011/65/EU

### 7.5 Mechanical data

<b>Installation position:</b>	Optional
<b>Weight:</b>	420 g
<b>Protection class:</b>	IP 65 acc. to EN 60529 IP 67 is achieved by piping away the exhausting air
<b>Travel sensor:</b>	5 – 75 mm
<b>Vibration:</b>	5g acc. to IEC 60068-2-6 Test Fc



**Shock:** 25g acc. to 60068-2-27 Test Ea

### 7.6 Electrical data

**Switch type:**

Code M1	Code N1	Code P1
Microswitch, change-over contact, SPDT	2-wire NAMUR	3-wire, normally open contact, PNP

**Supply voltage:**

Switch			Pilot valve
Code M1	Code N1	Code P1	
24 V DC, 250 V AC	8 V DC	10 to 30 V DC	24 V DC ( $\pm 10\%$ )

**Current consumption:**

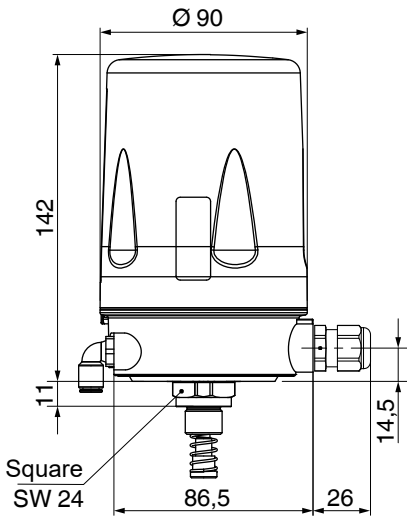
Switch		
Code M1	Code N1	Code P1
for DC: 5 mA to 5 A for AC: 100 mA to 6 A	$\geq 3$ mA (undamped) $\leq 1$ mA (damped)	0–200 mA

**Power consumption:** Pilot valve 1.3 W

**Electrical connection type:**

Connection thread: M16 x 1.5, WAF 19  
Cable diameter: 4.5 to 10 mm  
Recommended wire cross section: 0.75 mm<sup>2</sup> x 8 cables

### 8 Dimensions



Dimensions in mm

## 9 Manufacturer's information

### 9.1 Delivery

- Check that all parts are present and check for any damage immediately upon receipt.

The product's performance is tested at the factory. The scope of delivery is apparent from the dispatch documents and the design from the order number.

### 9.2 Packaging

The product is packaged in a cardboard box which can be recycled as paper.

### 9.3 Transport

1. Only transport the product by suitable means. Do not drop. Handle carefully.
2. After the installation dispose of transport packaging material according to relevant local or national disposal regulations / environmental protection laws.

### 9.4 Storage

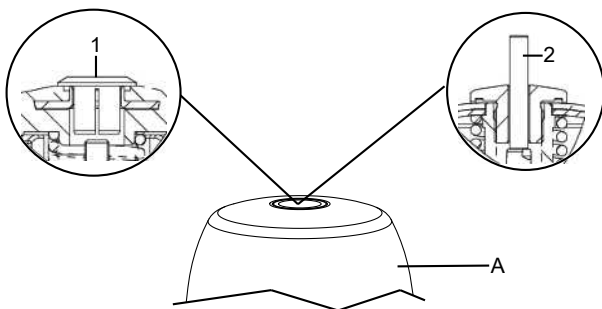
1. Store the product free from dust and moisture in its original packaging.
2. Avoid UV rays and direct sunlight.
3. Do not exceed the maximum storage temperature (see chapter "Technical data").
4. Do not store solvents, chemicals, acids, fuels or similar fluids in the same room as GEMÜ products and their spare parts.

## 10 Assembly and installation

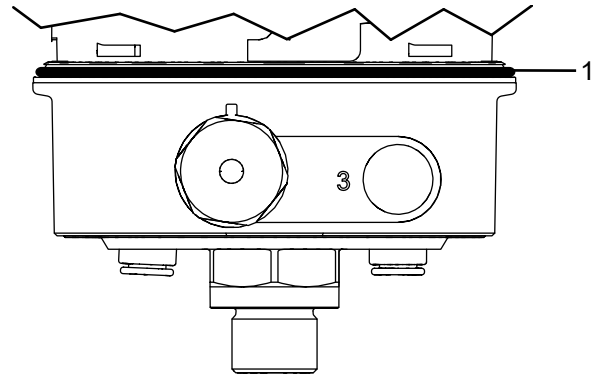
1. Observe the national regulations and provisions.
2. Observe the installer provisions.
3. Lay cables securely and protect them from damage.
4. Connect open wire ends in a junction box with protection class IP20 and higher or outside the EX area

### 10.1 Preparations for installing the valve (linear actuator)

1. Move the actuator **A** into zero position (actuator vented).
2. Remove optical position indicator **2** and / or protective cap **1** from the actuator top.



### 10.2 Information on use in damp conditions



The following information is intended to help when installing and operating the product in damp conditions.

1. Lay cables and pipework so that no condensate or rain water that remains on the pipework / cables can enter the cable glands or plugs of the product.
2. Check that all cable glands or plugs are positioned correctly
3. Check the sealing ring **1** for any damage and correct positioning before tightening the cover.

### 10.3 Mounting kit assembly

Item	Name	Item	Name
1	Spindle	7	Flange plate
2	Spring	8	Screws
3	Operating bush	9	Pressure disc*
4	Distance piece	10	O-ring*
5	O-ring	11	O-ring*
6	Adapter		

\* Included depending on version.

#### ⚠ CAUTION

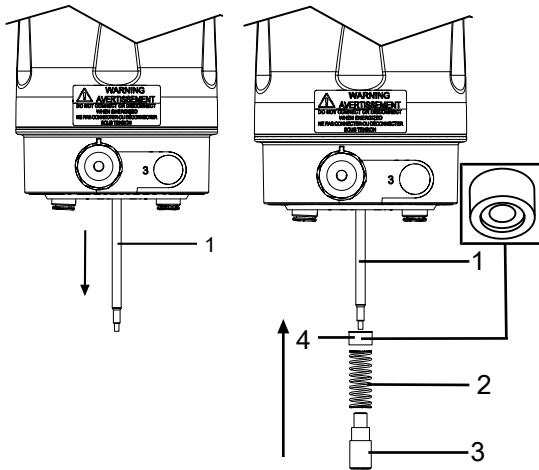
##### Pretensioned spring!

- Damage to the device.
- Slowly release the tension in the spring.

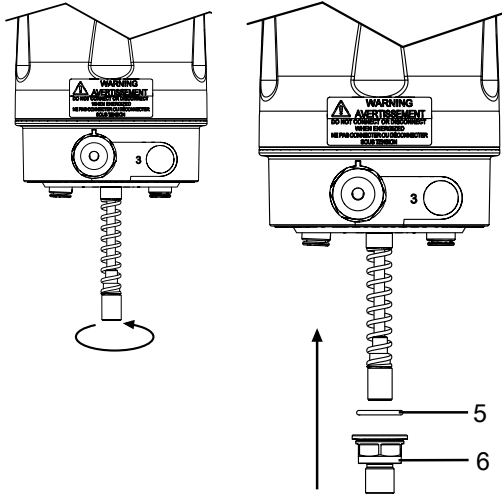
#### ⚠ CAUTION

##### Do not scratch the spindle!

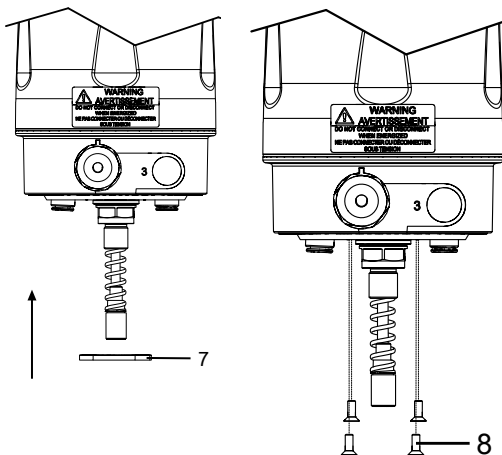
- A damaged spindle surface may cause failure of the travel sensor.



1. Pull out the spindle
2. Align the indentation of the distance piece 4 to the spring and push it over the spindle 1 using the spring 2 and fix it in place using the operating bush 3.



3. Tighten the operating bush 3 by turning it clockwise.
4. Affix the O-ring 5 and the adapter 6.

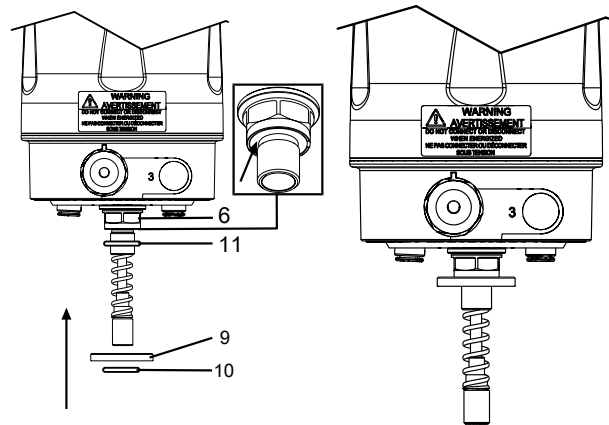


5. Attach the flange plate 7
6. Screw the flange plate on tight using screws 8 (1 - 1.5 Nm).

- Push in the spindle until it pushes against the spring and then slowly release the pressure on the spring.

### NOTICE

- For some valves (e.g. GEMÜ 650 and GEMÜ 687) it is necessary to fit a pressure disc between the threaded adapter and the actuator head. This is included in the required mounting kits, sometimes with an additional O-ring (only GEMÜ 650 with normally open and double acting control function – code 2+3).
- If the pressure disc does not have a groove for a seal, this will already be inserted in the groove provided at the adapter opening of the actuator head (e.g. GEMÜ 687 with normally open control function – code 2).

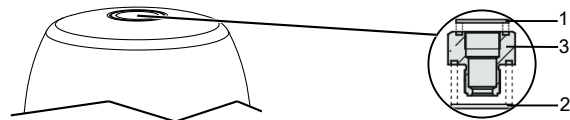


Insert the O-ring 11 (if included) into the corresponding disc 9 over the adapter 6 and groove on the adapter 6.

If included: Push the pressure disc 9 and insert the O-ring 10 in the intended groove of the pressure disc.

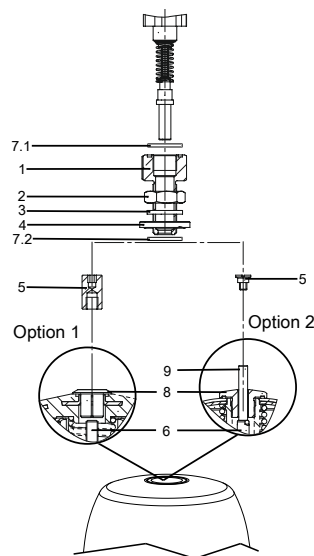
### 10.4 Threaded adapter assembly (linear actuator)

With some mounting kits, it is necessary to install a threaded adapter as well. This threaded adapter is enclosed with the required mounting kits. Valves with a normally open and double acting control function (code 2+3) also include additional O-rings (1+2).



1. Move the actuator to the closed position.
2. Place O-rings 1 and 2 into threaded adapter 3.
3. Screw threaded adapter 3 into the actuator opening as far as it will go and tighten.

### 10.5 Assembling the stroke limiter (linear actuator)



1. Screw distance piece **5** onto/ into actuator spindle **6**.
2. Move the actuator to the closed position.
3. Insert the O-ring **7.1** in the stroke limiter **1**.
4. Insert the O-ring **7.2** in the washer **4**.
5. Screw stroke limiter **1** with nut **2**, seal **3** and washer **4** into the actuator opening.
6. Set stroke limiter **1** to the required stroke.
7. Make sure that the minimum stroke is reached.
8. Secure stroke limiter **1** with nut **2**.

Key			
1	Stroke limiter	7.1 <sup>1)</sup> 7.2 <sup>1)</sup>	O-ring
2	Nut	8	Protective cap
3 <sup>1)</sup>	Seal	9	Position indicator
4 <sup>1)</sup>	Washer	10	Operating bush
5 <sup>2)</sup>	Distance piece	11	Spindle
6	Actuator spindle	12	Travel sensor

- 1) Only available for valves with the NO and DA control functions.
- 2) Only included in required mounting kits. The design depends on the valve.

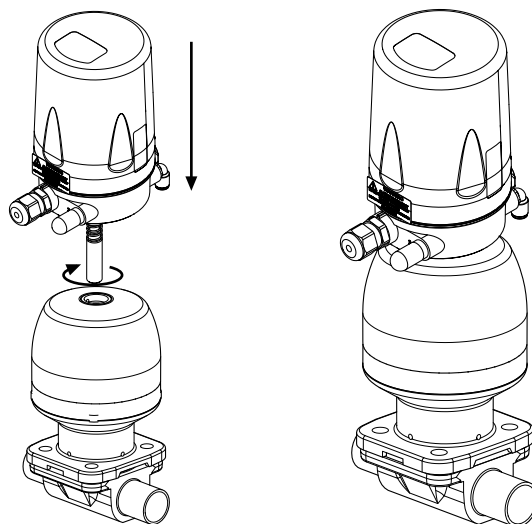
### 10.6 Assembling and installing the combi switchbox

#### **DANGER**



#### **Danger of explosion!**

- Risk of death or severe injury.
- Do not use the product as a step or foothold.
- Prior to commissioning, ensure that the cover is fully closed and that the housing and the O-ring are not damaged.



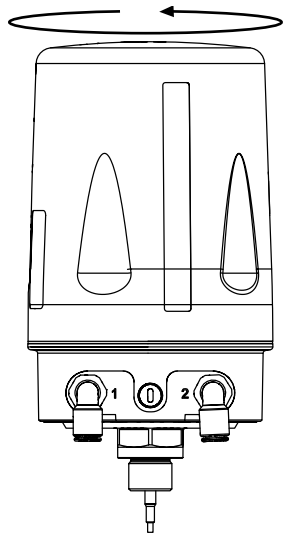
1. Move the actuator into the OPEN position.
2. Place the product as far as it will go into the actuator opening, insert adapter **3** (see chapter 9.3) or stroke limiter **1** (see chapter 9.4) and screw in clockwise against the initial spring tension.
3. Use the spanner flat of the travel sensor to tighten the product.
4. Turn the housing clockwise to align the pneumatic or electrical connections.
5. Set the switch on the product (see "Setting the switching positions", page 13).

#### **CAUTION**

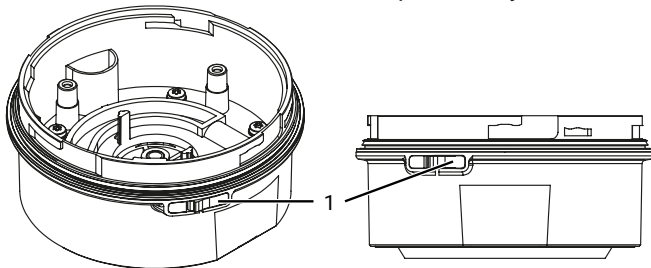
#### **Incorrect installation of the product.**

- Damage to the housing.
- Only tighten the product using the spanner flats provided for this purpose.

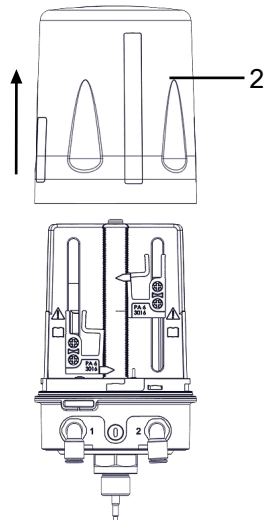
### 10.7 Setting the switching positions



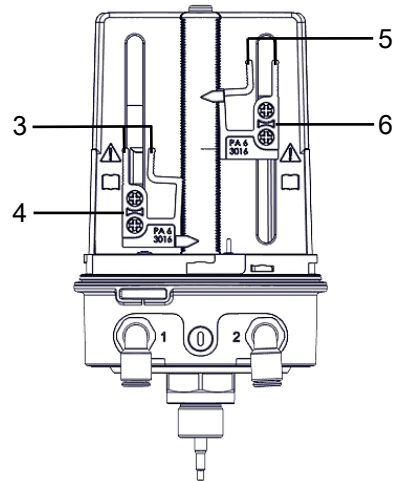
1. Turn the cover anti-clockwise to open the bayonet catch.



2. With changeover contact, microswitch (code M1), the cover is additionally secured by a barb 1. To open, the barb 1 must be unlocked using a suitable tool, such as a flat screwdriver, through the slot in the outer tab of the cover.



3. Remove cover 2.

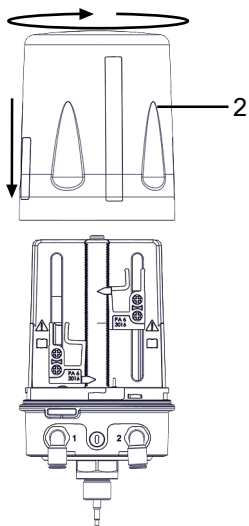


#### Setting the upper switching position:

4. Move the valve to the OPEN position.
5. Squeeze and hold red levers 3.
6. Push switch 4 on the toothed bar into the desired position.
7. Release red levers 3.
  - ⇒ Switch 4 engages.
  - ⇒ The upper switching position is set.
12. Make the electrical connection.

#### Setting the lower switching position:

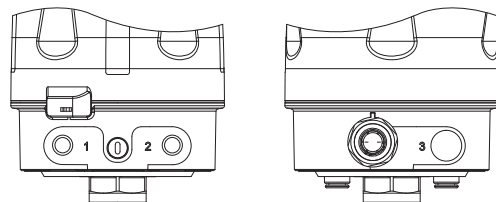
8. Move the valve to the CLOSED position.
9. Squeeze and hold red levers 5.
10. Push switch 6 on the toothed bar into the desired position.
11. Release red levers 5.
  - ⇒ Switch 6 engages.
  - ⇒ The lower switching position is set.



13. After completing the electrical connection, carefully pull the connection cable taut.
14. Make sure that seal 1 is fitted correctly and is not damaged.
15. Put on cover 2 so that the bayonet fitting is inserted correctly and turn cover 2 clockwise.
16. Restore the power supply.
17. To check that everything is working correctly, open and close the valve and observe the signalling.
18. If the settings need to be readjusted, switch off power to the product again and repeat the steps in "Setting the switching positions".

## 11 Pneumatic connection

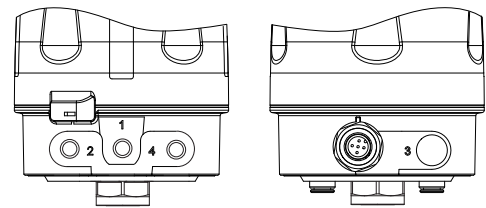
### 11.1 Standard, single acting



Conne- ction	Designation	Connection size
1	Air supply connection P	G 1/8
2	Working connection for process valve A1	G 1/8
3	Venting connection R with silencer (integrated housing ventilation)	G 1/8 <sup>1)</sup>

1) only relevant for exhaust air duct and/or increase of protection class

### 11.2 Standard, double acting



Conne- ction	Designation	Connection size
1	Air supply connection P	G 1/8
2	Working connection for process valve A1	G 1/8
3	Venting connection R with silencer (integrated housing ventilation)	G 1/8 <sup>1)</sup>
4	Working connection for process valve A2	G 1/8

1) only relevant for exhaust air duct and/or increase of protection class

## 12 Electrical connection

### ⚠ CAUTION



#### Electric shock by high voltage

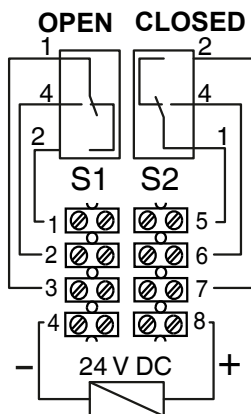
- ▶ Danger of injury or death caused by electric shock.
- Power supply varies depending on version.
- Switch off power to the product when working on the product.
- Work on electrical connections only by qualified trained personnel.

### 12.1 Microswitch, ordering option Connection diagram code M1

#### NOTICE

- ▶ The connection cable must be defined so that double insulation is guaranteed between cables with mains voltage and SELV

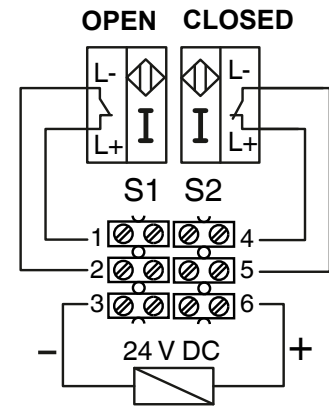
#### 12.1.1 Connection diagram



Pin	Signal name
1	Break contact limit switch OPEN
2	Make contact limit switch OPEN
3	Change-over contact limit switch OPEN
4	GND, solenoid valve actuation
5	Change-over contact limit switch CLOSED
6	Make contact limit switch CLOSED
7	Break contact limit switch CLOSED
8	24 V DC, solenoid valve actuation

**12.2 2-wire NAMUR proximity switch, ordering option Connection diagram code N1**

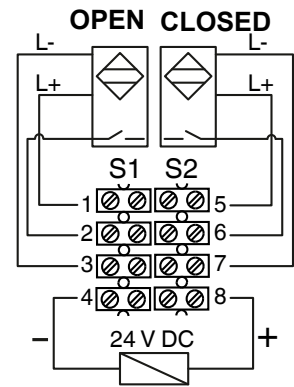
**12.2.1 Connection diagram**



Pin	Signal name
1	L+, OPEN switch
2	L-, OPEN switch
3	GND, solenoid valve actuation
4	L+, CLOSED switch
5	L-, CLOSED switch
6	24 V DC, solenoid valve actuation

**12.3 3-wire proximity switch, ordering option Connection diagram code P1**

**12.3.1 Connection diagram**

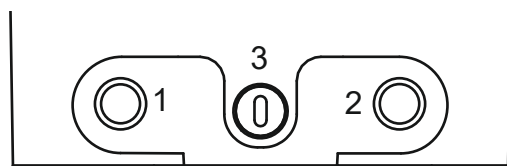


Pin	Signal name
1	L+, supply voltage
2	Signal output OPEN
3	L-, GND
4	GND, solenoid valve actuation
5	L+, supply voltage
6	Signal output CLOSED
7	L-, GND
8	24 V DC, solenoid valve actuation



### 13 Manual override

The combi switchbox has a manual override which enables the process valve to be actuated manually while de-energized.



#### Activating the manual override:

1. Press in the manual override **3** using a flathead screwdriver (maximum slot width of 4 mm) as far as it will go and turn it 90° clockwise.

⇒ The groove is horizontal.

#### Deactivating the manual override:

2. Turn the manual override **3** 90° anticlockwise using a flat-head screwdriver (maximum slot width of 4 mm) and release it.

⇒ The groove is vertical.

### NOTICE

- Control air and the minimum pressure must be available to use the manual override.

### 14 Troubleshooting

Error	Error cause	Troubleshooting
No stroke	No mounting kit available	Check mounting kit
	Process valve faulty	Replace process valve
	Wrong mounting kit installed	Replace mounting kit
No feedback	Incorrect assembly	Check assembly, wiring and connection
	Switch not set	Set switch
	Wrong mounting kit installed	Replace mounting kit
	Voltage is not connected	Connect voltage
Cover cannot be attached	Sealing ring inserted incorrectly	Insert sealing ring correctly
	Sealing ring damaged	Replace sealing ring
	Cables protruding over the edge of the base	Check the cable routing and shorten the cables if necessary

### 15 Inspection and maintenance

### NOTICE

#### Exceptional maintenance work!

- Damage to the GEMÜ product
- Any maintenance work and repairs not described in these operating instructions must not be performed without consulting the manufacturer first.

The operator must carry out regular visual examinations of the products, depending on the operating conditions and the potentially hazardous situations, in order to prevent leakage and damage.

1. Have servicing and maintenance work performed by trained personnel.
2. Wear appropriate protective gear as specified in the plant operator's guidelines.
3. Shut off plant or plant component.
4. Secure the plant or plant component against recommissioning.
5. Depressurize the plant or plant component.
6. Actuate products which are always in the same position four times a year.
7. Carry out inspection and maintenance for products in the potentially explosive area to DIN EN 60079-17.

#### 15.1 Spare parts

No spare parts are available for this product. If it is faulty, please return it to GEMÜ for repair.

#### 15.2 Cleaning the product

- Do **not** clean the product with a high pressure cleaning device.

#### 16 Disassembly

1. Disassemble in reverse order to assembly.
2. Unscrew the electrical wiring.
3. Disassemble the product. Observe warning notes and safety information.

#### 17 Disposal

1. Pay attention to adhered residual material and gas diffusion from penetrated media.
2. Dispose of all parts in accordance with the disposal regulations/environmental protection laws.
3. Dispose of electronic components separately.

#### 18 Returns

Legal regulations for the protection of the environment and personnel require that the completed and signed return delivery note is included with the dispatch documents. Returned goods can be processed only when this note is completed. If

no return delivery note is included with the product, GEMÜ cannot process credits or repair work but will dispose of the goods at the operator's expense.

1. Clean the product.
2. Request a return delivery note from GEMÜ.
3. Complete the return delivery note.
4. Send the product with a completed return delivery note to GEMÜ.

**19 EU Declaration of Incorporation according to the EC Machinery Directive 2006/42/EC, Annex II B**



## **EU Declaration of Incorporation**

**according to the EC Machinery Directive 2006/42/EC, Annex II B**

We, the company **GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG**  
Fritz-Müller-Strasse 6-8  
74653 Ingelfingen-Criesbach, Germany

hereby declare under our sole responsibility that the below-mentioned product complies with the relevant essential health and safety requirements in accordance with Annex I of the above-mentioned Directive.

**Product:** GEMÜ 4240  
**Product name:** Combi switchbox  
**The following essential health and safety requirements of the EC Machinery Directive 2006/42/EC, Annex I have been applied or adhered to:** 1.1.5.; 1.3.2.; 1.3.9.; 1.5.1.; 1.5.3.; 1.5.8.; 1.6.3.  
**The following harmonized standards (or parts thereof) have been applied:** EN ISO 12100:2010

We also declare that the specific technical documents have been created in accordance with part B of Annex VII.

The manufacturer undertakes to transmit relevant technical documents on the partly completed machinery to the national authorities in response to a reasoned request. This communication takes place electronically.

This does not affect the industrial property rights.

**The partly completed machinery may be commissioned only if it has been determined, if necessary, that the machinery into which the partly completed machinery is to be installed meets the provisions of the Machinery Directive 2006/42/EC.**

A handwritten signature in blue ink, appearing to read "M. Barghoorn", written over a horizontal line.

M. Barghoorn  
Head of Global Technics  
Ingelfingen, 27/11/2023



**21 EU Declaration of Conformity in accordance with 2014/35/EU (Low Voltage Directive)**



## **EU Declaration of Conformity**

***in accordance with 2014/35/EU (Low Voltage Directive)***

We, the company

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG  
Fritz-Müller-Strasse 6-8  
74653 Ingelfingen-Criesbach, Germany

hereby declare under our sole responsibility that the below-mentioned product complies with the regulations of the above-mentioned Directive.

<b>Product:</b>	GEMÜ 4240
<b>Product name:</b>	Combi switchbox
<b>Product version:</b>	Valid for products with code M1
<b>The following harmonized standards (or parts thereof) have been applied:</b>	EN IEC 61010-2-201:2018; EN IEC 60947-5-2:2020; EN 61010-1:2010/A1:2019/AC:2019-04

A handwritten signature in blue ink, appearing to read 'M. Barghoorn', is written over a horizontal line.

M. Barghoorn  
Head of Global Technics

Ingelfingen, 27/11/2023

**22 EU Declaration of Conformity in accordance with 2011/65/EU (RoHS Directive)**



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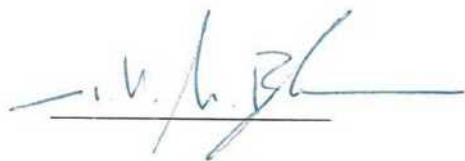
## **EU Declaration of Conformity**

***in accordance with 2011/65/EU (RoHS Directive)***

We, the company GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG  
Fritz-Müller-Strasse 6-8  
74653 Ingelfingen-Criesbach, Germany

hereby declare under our sole responsibility that the below-mentioned product complies with the regulations of the above-mentioned Directive.

**Product:** GEMÜ 4240  
**Product name:** Combi switchbox  
**The following harmonized standards (or parts thereof) have been applied:** EN IEC 63000:2018



M. Barghoorn  
Head of Global Technics  
Ingelfingen, 27/11/2023



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Subject to alteration

11.2024 | 88689636