

## OPERATING INSTRUCTIONS

### DS2 SERIES

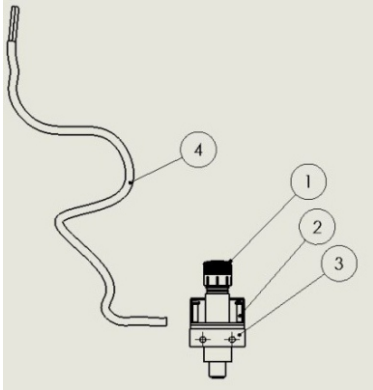
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## **1. General Informations**

- The pressure switch described in the operating instructions has been designed and manufactured using state of-the-art technology.
- All components are subject to stringent quality and environmental criteria during production.
- Our quality management systems are certified to ISO 9001 : 2015
- Pressure switches are not safety equipment of system.
- Operating instruction is part of product and it must be reached conveniently
- Personal who is using pressure switch, must read and understand precisely.
- User is responsible about all safety applications.
- User must be sure about comply with purpose of pressure switch.
- User must be sure about any destruction on pressure switch while on transport before montage.
- PNOMEK® is not responsible about problems caused by incorrect installation.
- Values on product defining plate are maximum values and all of them can not be used at the same time.
- If you need to use pressure switch in aggressive chemicals, please contact with PNOMEK®.
- It is advised absolutely that strict to Hydraulic oil (liquid) clearance standards.
- You must use filtration for preventing system errors. It is effective about long system life.
- You must avoid from using under shock pressure and out of indicated values for having long life working service.

## 2. Product Features



1. Pressure Setting Button
2. Connection Screw
3. Body
4. Electric Connection Cable

## Product Features and Function

1-) Pressure Setting Button: Working pressure is set with pressure setting button on pressure switch. When you turn to clockwise, working pressure rises. When you turn to counter-clockwise, working pressure drops. When customer set pressure, button is pushed and locked.

2-) Connection Screws: It is using for making pressure switch connection

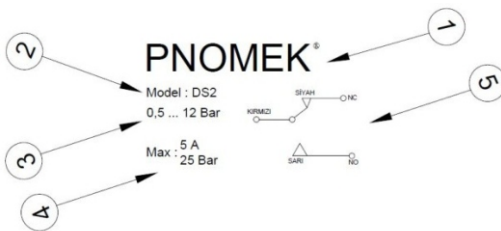
3-) Body : Body, component of pressure switch, has sensitive dimension. You must not install pressure switch, keeping body.

4-) Electric Connection Cable : You must install pressure, keeping 22 A-A

## 3. Purpose of Using

1. DS2 Series pressure switch opens or closes electric circuit depending on pressure rising or dropping.
2. Usage of pressure switch must comply with technic specification
3. Pressure switch has been designed for purposed usage. It must be used as indicated here.
4. User must be sure about comply with purpose of pressure switch.
5. If you need to use pressure switch in aggressive chemicals, please contact with PNOMEK®.
6. PNOMEK® is not responsible about using out of operating insturction

## Product Defining Plate



1. Manufacturer
2. Model
3. Working Range
4. Output point
5. max. value
6. Contact Connection

## 4. Errors



### **WARNING!!**

Risk of injury, property damage and enviromental damage;  
If you can not prevent errors although actions, pressure switch must be taken from usage.

- You check the pressure and protect safety in case of pressure switch Works accidentally.
- Connect with manufacturer.
- If you need to return the pressure switch, you must review product returning part.



### **WARNING!!**

Risk of injury due to dangerous material, property damage and environmental damage;

If there is any connection with dangerous material (Example. oxygen, acetylen, burner or poisoner materials), harmful materials (Example. corrosion, poisoned, cancinogenic, radioactive), cooling systems and compressors physical injuries, property damages and environmental damages can be occur.

- If any error occurs, product might has extreme heat, and corrosion material under high pressure or vacuum.
  - Complied current codes as well standart arrangement for these materials or arrangement must be followed.
  - You must wear necessary equipment clothes.
- Look back page of operating insturction of contact informations.



Errors	Reasons	Caution
No Output Signal	Disconnection between cables	Control the complete circuit
Different zero point signal	Working pressure limit has been exceeded	Comply with permissible extreme pressure limit
Different zero point signal	Working temperature high/low	Comply with permissible tempurature
Different pressure changes, fixed output signal	Mechanic extreme load due to extreme pressure	Change the product. If there is any problem still, contact wit manufacturer.
Signal range different/fault	Working temperature is extremly hot/cold	Comply with permissible temperature
Signal range is dropping/rising	Mechanic extreme load due to extreme pressure	Change the product. If there is any problem still, contact wit manufacturer.

## 5. Product Care and Clearance

### Product Care

Pressure switch has not a necessary about care.

Pressure switch repairing is made by only manufacturers

### Product Clearance

- Pressure switches clearances is must be watchfully. Clearance must occur without any destruction on product or product defining plate.
- Uncomplied clearance materials for pressure switch, corrosion clearance materails or sharpened materials can destruct the product. Please avoid from using these materials
- You must use a soft and wet cloth for clearance of product.

## 6. Product Montage and Removing

### Product Montage

1. Connection point must be cleared.
2. Screw the product manual to connection place.
3. Screw the product with flathead screw driver.
4. Make electrical connection.

## Removing Product

1. Deactive the energy of product.
2. Disconnect the electrical connection.
3. Remove the product with flathead screw driver.

## 7. Product Returning and Disposal

### Product Returning

While you are sending the product, you must be careful about followings:

If products that returning to PNOMEK, has dangerous chemical materials, It must be cleared before returnin operation. Product absolutely must not have any dangerous chemical materials.

While you return the product, product must be in original box, original ambalage or appropriate ambalage.

### Product Disposal

False product disposal may have a risk. While you destruct the product, please comply with environment and special waste disposal rules.