

INSTRUCTION MANUAL
FOR
PRESSURE SWITCH
P4000

Please read this operation manual carefully before using this product, particularly the section describing safety.

Retain this operation manual with the product for further consultation whenever necessary.



CKD Corporation

For Safety Use

To use this product safely, basic knowledge of pneumatic equipment, including materials, piping, electrical system and mechanism, is required (to the level pursuant to JIS B 8370 Pneumatic System Rules) .

We do not bear any responsibility for accidents caused by any person without such knowledge or arising from improper operation.

Our customers use this product for a very wide range of applications, and we cannot keep track of all of them. Depending on operating conditions, the product may fail to operate to maximum performance, or cause an accident. Thus, before placing an order, examine whether the product meets your application, requirements, and how to use it.

This product incorporates many functions and mechanisms to ensure safety. However, improper operation could result in an accident. To prevent such accidents, read this instruction manual carefully for proper operation.

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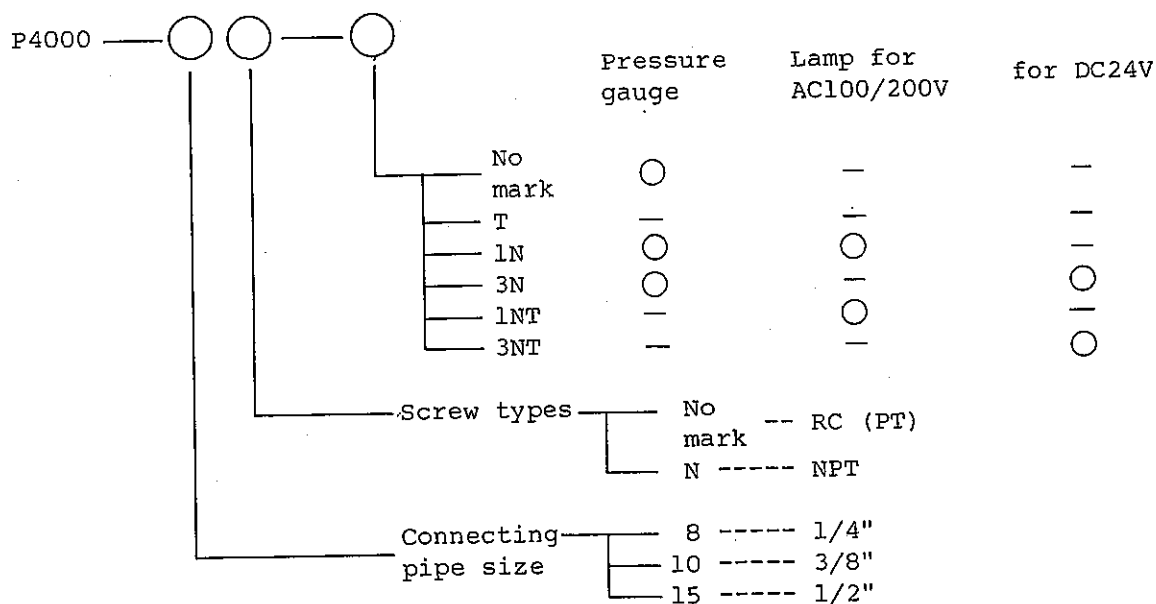
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Thank you very much for using CKD products.
CKD products are all produced under strict quality control to ensure safety.

For effective use of your CKD pressure switch, carefully read through the items of cautions for installation and maintenance listed below.

1. How to Read the Model No.

Model Number:



2. Cautions for Installation

- 2-1 Refrain from using the pressure switch connecting pipe with aperture (size) smaller than that of the air pipe.
- 2-2 Do not use the pressure switch at a place with the ambient temperature exceeding 60°C.
- 2-3 See to it that the operating pressure does not exceed 1.0 MPa.
- 2-4 Keep the space over 70 mm to enable removal of cover ④ at wiring.
- 2-5 Use air that has passed through the air filter.
- 2-6 Consult us separately in case of use under the atmosphere that spattering is produced.
- 2-7 Refer to the separate assembling drawing in case of modular connection with other products.
- 2-8 Avoid use exposed to direct sun's ray.

3. Cautions for Maintenance

3-1 Loosen the cover tightening screw (1), remove the cover (4), and make wiring to the micro switch inside.

3-2 In case the lamp is equipped:

- a) The lamp is connected to the NC and NO terminals of the micro switch. A small amount of current flows even if not energized to a load (relay, etc.) so carefully select the load.

AC100V 1.5mA

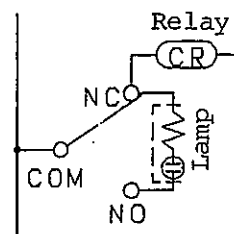
AC200V 2.0mA

DC 24V 9.5mA

- b) To light up the lamp with the pressure more than setting and to light off the lamp with the pressure less than setting, connect the wire to the COM and NC terminals of the micro switch. Stick the attached nameplate

"PRESSURE RISE → LAMP ON"

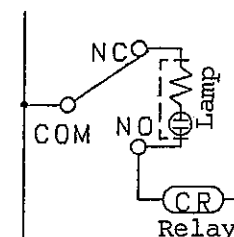
to a place easy to see.



- c) To light up the lamp with the pressure lower than setting and to light off the lamp with the pressure more than setting, connect the wire to the COM and NO terminals of the micro switch. Stick the attached nameplate

"PRESSURE RISE → LAMP OFF"

to a place easy to see.



3-3 Loosen the nut on the cover top and set the pressure with the adjusting screw (15).

The pressure increases when the screw is turned to plus (+) side and decreases in minus (-) side. (Tools used: Spanner 13 mm, slotted head screwdriver) After the setting, fasten with the nut.

3-4 The product can not be disassembled for adjustment. Therefore please consult us if any abnormality is found.

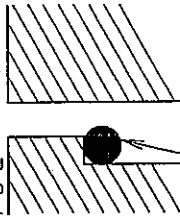
4. Expendable Parts List

NO	Part name	Drawing No.	Q'ty	Remarks
②⑥	O-ring	F4-550058	1	

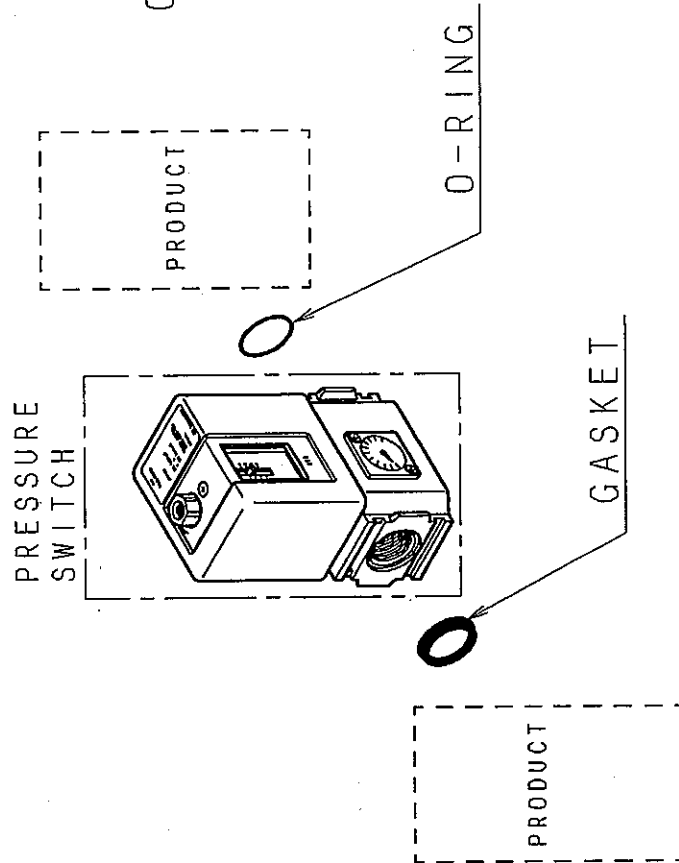
5. ASSEMBLY DRAWING FOR PRESSURE SWITCH (P4000)

CSM-1005-A

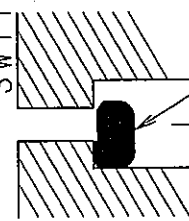
SEAL SECTION ON OUT SIDE
OF THE PRESSURE SWITCH
PRESSURE SWITCH SIDE
PRODUCT SIDE



O-RING

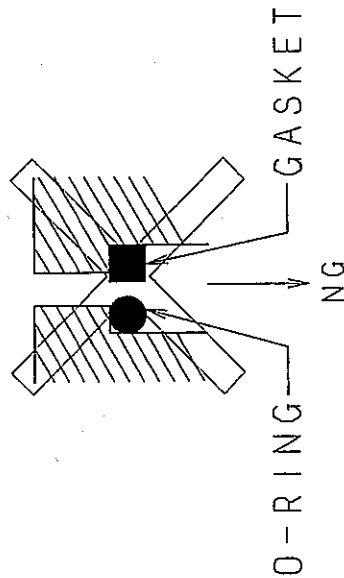


SEAL SECTION ON IN SIDE
OF THE PRESSURE SWITCH
PRODUCT PRESSURE
SWITCH SIDE

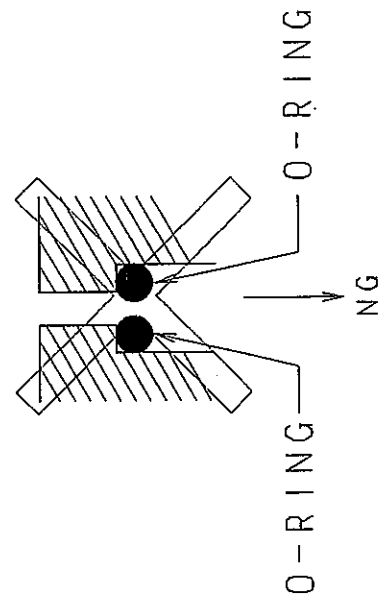


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