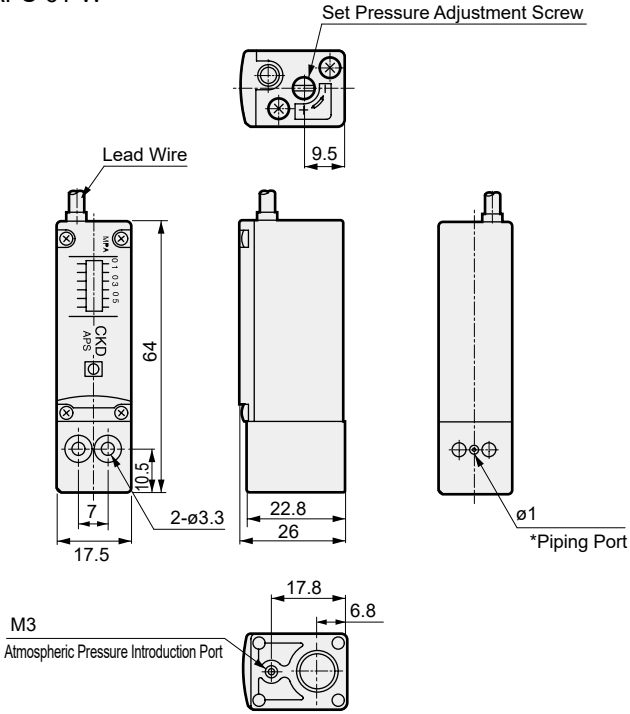


Dimensions

●APS-6Y-W



(Note) The O-ring size for sealing is bore size ø1.2. Machine the pressure outlet hole on the installation surface to ø1 or less in diameter.



Pneumatic components (Mechanical Pressure Switches)

To Use This Product Safely

Please read before use.

For general pneumatic components precautions, see Intro 27 for details.

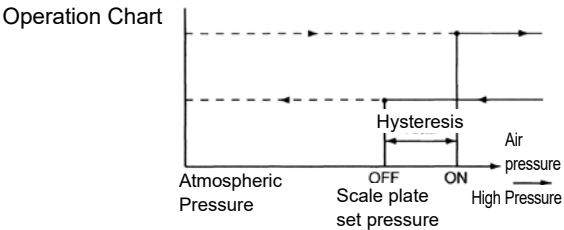
Individual Precautions : Mechanical Pressure Switch APS Series

At Design / Selection

CAUTION

■ Setting pressure

- Pressure displayed on the scale plate is used as a guideline. When setting the pressure, please set it while checking with a separate pressure gauge.
- Pressure displayed on the scale plate is the value when the contact is OFF. To set the value when the contact is ON, set the pressure displayed on the scale plate to a value smaller than that from which hysteresis has been subtracted. (refer to the chart below) If not set, operation may not take place at the set value. (Hysteresis refers to the pressure range from when the switch operates once at the set pressure until the pressure drops and the switch turns off.)



- Turning the adjusting screw in the L (low pressure) direction further from the 0.1 MPa setting will cause the stopper to move and the adjusting screw will not turn. Note that if torque is forcibly applied in the L (low pressure) direction, the adjusting screw may lock and become inoperable.

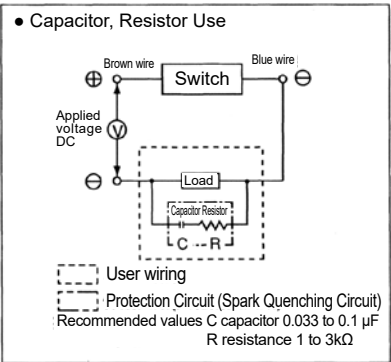
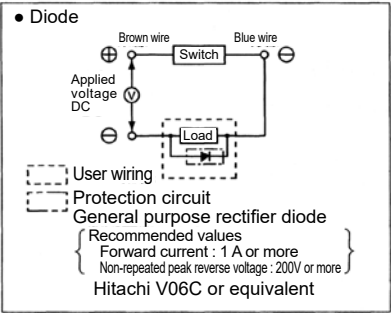
■ Wiring

- Connecting the lead wire
 - ① **Do not connect the lead directly to the power supply. Connect the load serially. Failure to do so may result in burning out the lamp or melting the contact.**
 - ② When used for DC, connect the ⊕ brown wire on the side and the ⊕ blue wire on the side. If connected in reverse, the lamp will not light up.
 - ③ When connected to the AC relay or PC input, the switch lamp may not come on if the circuit is half-wave rectified. In that case, reversing the polarity of the switch lead wire connection will light up the lamp.
- Contact capacity

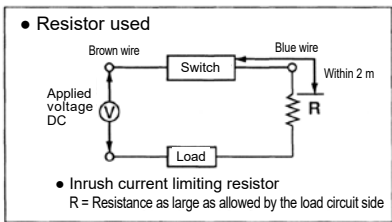
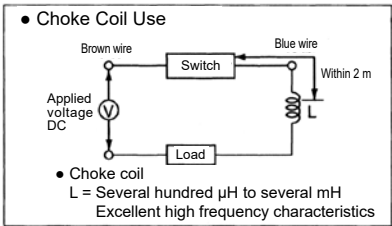
Do not use outside the specified range of load voltage and load current. It may cause failure such as lamp burnout or contact welding. Also, if it falls below the rated current value, the lamp may not light up.

● Contact protection

- ① When using this sensor with an inductive load such as a relay, provide the contact protection circuit shown below. If a protection circuit is not installed, it may cause contact welding.



- ② If DC wiring exceeds 50 m or AC wiring exceeds 10 m, the wiring capacity will be reached, and a rush current will occur, damaging the switch or shortening the service life. If the wiring length exceeds the limit, install a contact protection circuit.



For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Component Products site (<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → Instruction Manual.