Product-specific cautions: Mechanical pressure switch APE Series

Design/selection

⚠ CAUTION

■ Select with consideration for rush current.
Micro switch contact specifications
Regular closed circuit max. 30 A
Regular open circuit max. 15 A
Starting current should be measured beforehand.

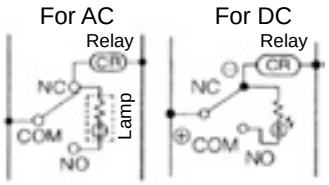
Mounting, installation and adjustment

⚠ CAUTION

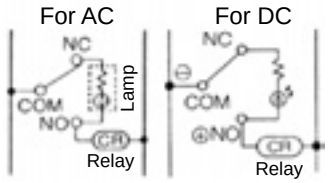
■ When wiring, loosen cover fastening screws, remove the cover, then wire to the micro switch inside.

■ Wiring the sensor with lamp

- The lamp is connected to the micro switch's NC terminal and NO terminal. As a fine current flows even when the load (relay, etc.) is not energized, take care when selecting the load.
  100 VAC 1.5 mA
  200 VAC 2.0 mA
  24 VDC 4.5 mA
- To turn the lamp ON at the set pressure or more, and OFF at the set pressure or lower, wire to the micro switch COM terminal and NC terminal.Attach the included Pressure Rise → Lamp ON plate on a visible section of the cover.



- To turn the lamp ON at the set pressure or lower, and OFF at the set pressure and over, wire to the micro switch COM terminal and NO terminal.at a visible section on the cover. Attach the Pressure Rise → Lamp OFF plate.



- If there is a large amount of drainage, pipe so that the pressure adjustment screw is facing upward.

■ Avoid using in hot environments, as the cover is made of resin.

■ Hold the body when piping or installing.

■ Use with air that has been passed through an air filter.

■ Use the pressure absorbing nipple (APE-6556) to detect sudden changes in pressure, such as when confirming air cylinder pressure.

■ When there are frequent rising and falling pressure pulsations, use the pressure absorbing nipple (APE-6556) in combination. When not using the pressure buffering nipple, service life may be reduced.

■ Loosen the nut on the top of the cover, and adjust the pressure with the adjustment screw. The set pressure rises when the set screw is turned to the plus (+) side and drops when tuned to the minus (-) side. (Work tools: Wrench 13 mm, flat-tip screwdriver) Fix with the nut after setting.

■ The scale plate is for reference.
(scale error: within ±0.05 MPa)