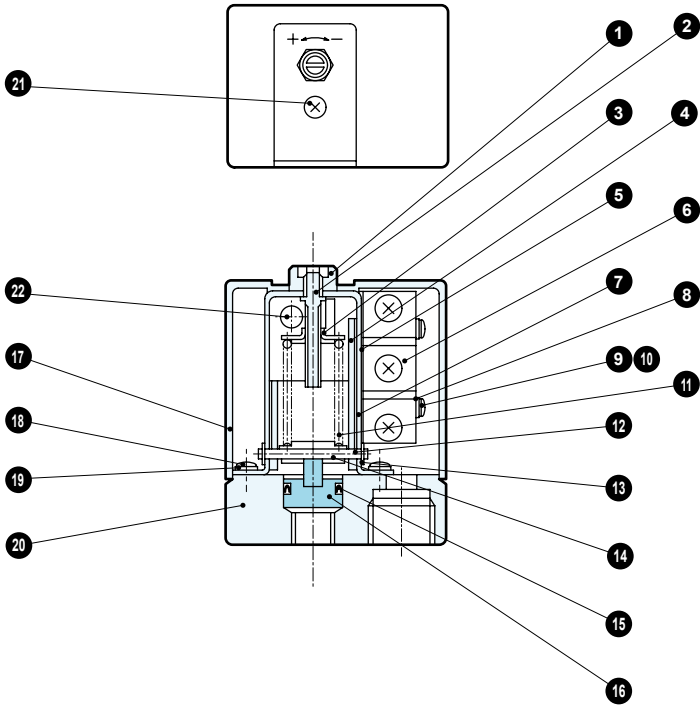
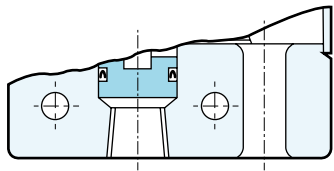


Internal Structure Diagram/Material

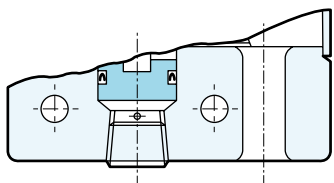
●APE-8T



●APE-8N



●APE-8F



Part No.	Part Name	Material	Remarks	Part No.	Part Name	Material	Remarks
1	Nut	Steel		12	Pin	Steel	
2	Adjustment Screw	Steel		13	E-ring	Steel	
3	Spring Retainer	Steel		14	Spring Seat	Steel	
4	Lever	Steel		15	Y Packing	Nitrile rubber	
5	Insulating Plate			16	Piston	Polyacetal	
6	Microswitch		Z-15GD-B	17	Cover	ABS Resin	
7	Frame	Steel		18	Pan Head Machine Screw with Cross Hole	Steel	M4 x 10
8	Flat Washer	Steel	Nominal 3	19	Spring Washer	Steel	Nominal 4
9	Pan Head Machine Screw with Cross Hole	Steel	M3 x 20	20	Body	Zinc Die-casting	
10	Spring Washer	Steel	Nominal 3	21	Cover Tightening Screw	Steel	M3 Countersunk Screw
11	Spring	Piano Wire		22	Lamp		Lamp attached only



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 Switches APE Series

At Design / Selection

CAUTION

- Select with considerations to rush current.
Micro switch contact specifications
Regular closed circuit max. 30 A
Regular open circuit max. 15 A
For inrush current, we recommend measuring it in advance.
- 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 attached plate at a visible section of the cover. Pressure Rise → Lamp ON
 - 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. Attach the attached plate at a visible section of the cover. Pressure Rise → Lamp OFF
 - If there is a large amount of drainage, pipe so that the pressure adjustment screw is facing upward.

- Use the pressure absorbing nipple (APE-6556) to detect sudden changes in pressure, such as when confirming pneumatic cylinder pressure.
- When there are frequent rising and falling pressure pulsations, use the pressure buffering nipple (APE-6556) in combination. If a pressure buffer nipple is not used, the product life may be shortened.
- The scale plate is for reference.
(Scale error within ± 0.05 MPa)

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.