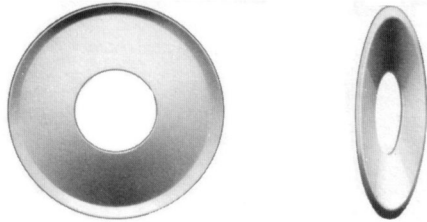
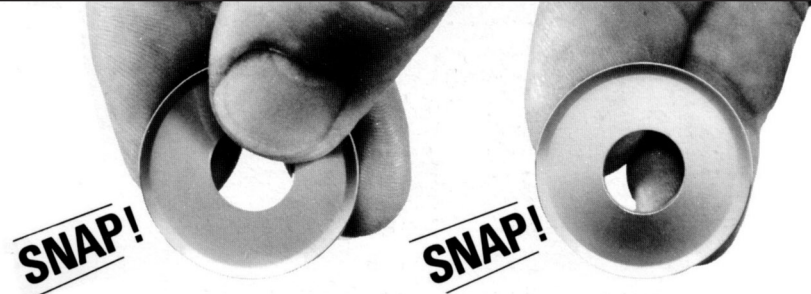


How a Wide Range DUAL-SNAP® Pressure Switch Works

1. The Heart of the design...

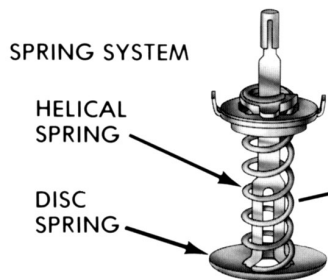


- It's a convex disc spring with a center hole.



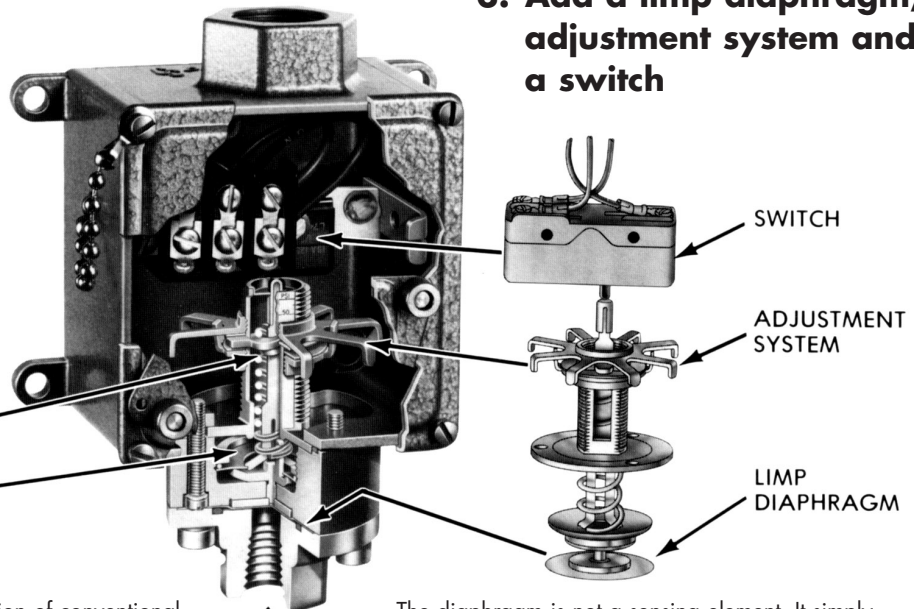
- It snaps to concave under pressure. And it snaps back when pressure is released.

2. Back up the disc spring with a fully adjustable helical spring.



By replacing the elastic creep deflection of conventional pressure switch sensors with the negative spring rate of a disc spring combination pressure switches have now become binary like computers. This revolutionary design has been proven to be so reliable that on jet aircraft, for instance, it has been the only design acceptable for many decades.

3. Add a limp diaphragm, adjustment system and a switch



The diaphragm is not a sensing element. It simply seals the media and transfers pressure to the disc spring, which responds instantaneously when system pressure reaches the set points.

4. Complete the system with components suitable for specific pressures, fluids and environments...and you have a Wide Range DUAL-SNAP® Pressure Switch with these advantages:

- Set points stay set – not sensitive to shock, vibration, temperature variations, or other ambient conditions.
- No “tracing” of fluctuating pressures – no “teasing” of the electrical element. The switch is either “on” or “off.”
- Reduces the adverse effects of pump ripple, contact chatter, fatigue, premature wear, and other common switch problems.
- Maximum life expectancy with lifelong reliability and precise repeatability assured.
- A wide range of set points available in each switch model series.