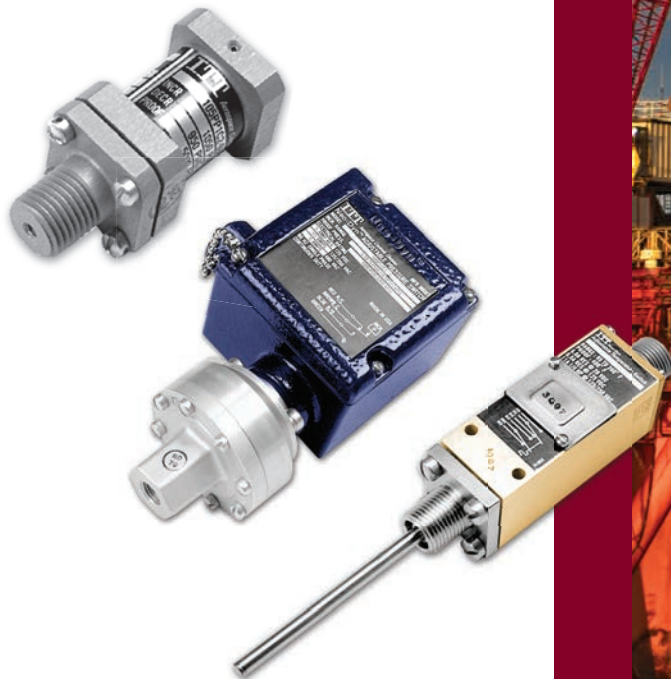


The Neo-Dyn[®] Advantage

Install It and Forget It -
with "SNAP" Technology



Neo-Dyn[®]
PROCESS CONTROL

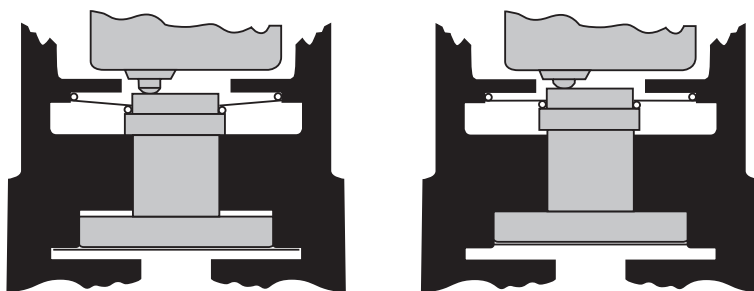
Durable, Reliable Switches
for Harsh Environments



Pressure Switch Design - the key to "SNAP" Technology

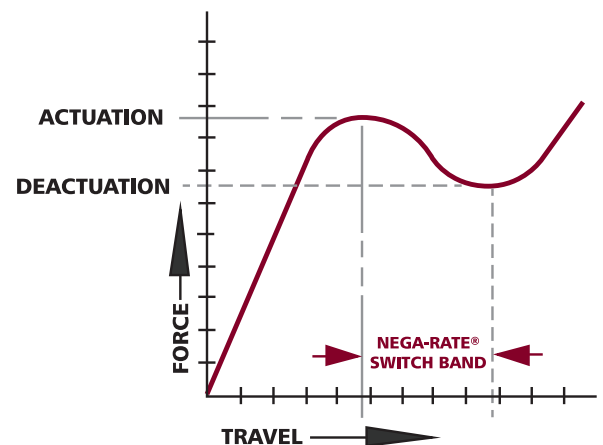
Nega-Rate[®] Belleville Spring

A negative rate type pressure switch (i.e., a Belleville spring) is a SNAP acting device. At a certain pressure (apex of the spring curve) the spring snaps over center. At this point, it takes less pressure (force) to continue its movement. The pressure switch set point is a function of the Belleville spring. The electrical switch is in a fixed position and is synchronized to the movement of the Belleville.



Deactuated

Actuated



Stable Set Points

Eliminates Constant Recalibration

- Not affected by variables imparted by the application
- No wearing elements directly attached
- No changes with temperature variations



Vibration Resistance

Eliminates Contact Chatter

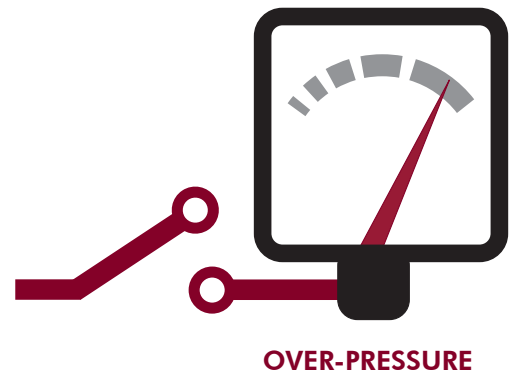
- Belleville SNAP maintains electrical contacts
- Low mass and Belleville SNAP prevent contact chatter
- No spring mounted components to shake around and break contacts



Over-Pressure Capability

No Affect on Set Point Accuracy

- Pressure isolated at the diaphragm or piston
- High safety factor pressure sensing parts stop moving after SNAP actuation
- No over-travel possible after SNAP actuation



Long Cycle Life

Millions of Cycles

- No springs to wear out
- Minimal wear with less than .020" movement of Belleville SNAP actuation
- Extended contact life from minimized electrical arc with SNAP actuation



Markets Served with Neo-Dyn®

Install It and Forget It – “SNAP” Technology

- Oil & Gas
- Chemical / Petrochemical
- Pumps & Compressors
- Fire suppression systems
- Rail braking systems
- Food / Pharmaceutical /Bio-Tech
- Power Generation
- Machine Tool
- Industrial Gas
- Turbine Manufacturers
- Steel Mills
- Pulp & Paper
- Mobile Equipment
- Automotive Equipment



Neo-Dyn®
PROCESS CONTROL

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