



Compare with Other Contact Devices :

	Snap Action Contact	Low Action Contact
Leaf Spring	✓	N/A
Magnet	✓	✓
Ruby Bearing	✓	N/A
PE Terminal	✓	N/A
Switch Setup	5 mm Minimum	10 mm Minimum
Tangency	Contact Pins	Contact Rivets
PLC	✓	Modification Needed

✓ : Standard Equipment

N/A : Not Available

Mode of Operation :

- The snap-action contact is a mechanical contact for switching capacities up to 30W 50VA max. Contact making will be delayed and or advanced in relation to the movement of the actual value pointer.
- To close the circuit, the contact pin of the movable contact arm is attracted in a jump by the permanent magnet fastened to the supporting arm shortly before the set value has been reached. Due to the retention force of the magnet, snap-action contacts are more resistant against shock and vibration. The switching safety is increased by the increased contact pressure.
- When the circuit is opened, the magnet keeps the contact arm in its place until the restoring force of the measuring element exceeds the magnetic force, and the contact opens in a jump; this sudden way of switching reduces the formation of a light arc between the contact pins and in this way allows for an increased switching performance.
- In comparison with contact rivets, contact pins have a smaller contact area and need a lower compression which has less possibilities producing sparks from making contacts than contact rivets.
- The non-wearing jewel bearing, consisting of a stainless steel shaft and two axially arranged synthetic rubies, is an easy-running, electrically insulating bearing which can resist against aggressive media and guarantees optimum safety even under extreme conditions of applications.
- The design of common wire on the terminal of the contact device protects the contact device itself from being short and electric current leaking and provides long lasting operations as well.
- Wiebrock contact device with two or more contacts can be switched simultaneously within 10 mm setup range between setup points.
- The specifications of electric current and voltage of Wiebrock contact device are stable and available on PLC DC 24V without any modifications or adjustments.