

<b>MODEL: 2120-1    ZERO SPEED SWITCH PRODUCT SPECIFICATIONS</b>
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**GENERAL:**

- Designed for general industrial service.
- Standard housing constructed from cast aluminum. Also available in cast iron (CI) and explosion proof (EP) housing.
- Electrical entrance is dust and vapor proof conduit fitting.
- Approximate dimensions: 6" Long, 3 3/4" High, 4 1/8" Wide. Shaft diameter is 1/2".

**ELECTRICAL:**

- Switch is equipped with one set of totally enclosed S.P.D.T. snap action contacts rated as follows:  
     AC: 10 amps. 125 — 250 — 480 volts    •    DC: 1/2 amp. 125 volts | 1/4 amp. 250 volts

**OPERATION:**

- Operating range 15 -200 R.P.M.
- Contacts are actuated to make or break an electrical circuit as soon as input shaft speed, on acceleration, reaches approximately 8-11 R.P.M. in either direction of shaft rotation. Contacts will remain in the actuated position as long as the shaft speed is maintained at or in excess of the trip-point speed on acceleration. On slow drifting speed loss, the contacts will drop out at approximately 2 seconds after shaft ceases rotating. On rapid or instant speed loss, contacts will drop out at approximately 0 speed.
- This model indicates shaft rotation in either direction, but does not indicate direction of shaft rotation. Also indicates zero speed. (Certain other models will indicate direction of shaft rotation as well as rotation at low and zero shaft speed).
- Unit contains a proprietary silicone oil mix which lends stability to its operation from -40<sup>0</sup> F to +250<sup>0</sup> F or -40<sup>0</sup> C to +482<sup>0</sup> C.
- This model is not adjustable in field.

**MOUNTING AND DRIVING:**

- This model is available in base or flange type mounting.
- Unit can be mounted for operation in any position.
- Driving torque required is approximately 4 Inch Ounces.
- Recommended method of driving is with our flexible K-Coupling.
- Use caution regarding overhang load on shaft. Avoid end pressure and deflection on shaft.

**SPECIFICATIONS:**

<b>Type</b>	<b>Mount</b>	<b>Description</b>	<b>Net Wt.</b>
2120	B	Standard housing -- base mount	4 lbs.
2120	F	Standard housing -- flange mount	4 lbs.
CI-2120	B	Cast iron housing -- base mount	8 lbs.
CI-2120	F	Cast iron housing -- flange mount	8 lbs.
2120	EP-1	Explosion proof housing	13 lbs.