

4100 ZERO SPEED SWITCHES

This line of Speed Switches are electro-mechanical rotary motion controls requiring no electrical input to operate. These shaft driven devices can let you know if equipment is running too fast, too slow, or not at all.

Designed for industrial use, these Switches will operate in temperatures ranging from -40°F to $+250^{\circ}\text{F}$, or -40°C to $+482^{\circ}\text{C}$. The NEMA 4/4X housing is painted with an Epoxy based powder coat to provide corrosion resistance as well as protection against dust, rain and hose-directed water.



Approximate shipping weight:
Aluminum Housing (AL) 4 lbs.
Cast Iron Housing (CI) 8 lbs.

MOUNTING AND DRIVING

The running speed and trip point of the 4100 series models are similar to the 2100 series. The 4100 units however are designed to handle the shaft end pressure associated with a V-belt, sprocket, roller wheel, or chain drive mechanism. The 2100 series is better suited for shaft to shaft coupling, while the 8100 series is geared for slow speed applications. The 4100 series is only available in a base mount design, and is not available with a Flange Mount or Explosion Proof housing like the 2100 and 8100 models.

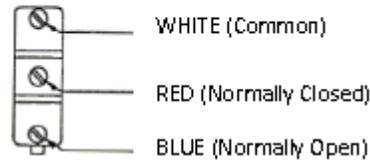
OPERATION

Contacts are actuated as soon as input shaft speed accelerates to the applicable trip point, and will remain actuated as long as shaft speed remains above this point. On speed loss, the contacts drop out at the speed applicable to each specific model or user selected setting.

ELECTRICAL WIRING

These electro-mechanical speed switches may be wired as normally open or normally closed at zero speed, depending on customer application requirements. The following UL, CSA, CE Certified, Honeywell Snap Action Micro Switch contact configurations are available.

S.P.D.T.
Single Pole
Double Throw



Direction
Indicating
S.P.D.T.



D.P.D.T.
Double Pole
Double Throw



[Detailed wiring diagrams, associated with customer applications are the responsibility of the end-user electrical or engineering staff, or installation contractor.]