

PRODUCT INFORMATION

8100 ZERO SPEED SWITCHES

The 8100 Series Zero 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. 8100 Series Switches are for slow shaft input speeds of 0.5 to 25 RPM.

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

MOUNTING AND DRIVING

Switches can be mounted in any position, however they must be aligned and concentric with the corresponding drive shaft. They are installed directly to machinery or equipment with recommended Mounting Brackets and K-Couplings, or V-belt, sprocket, roller wheel, or chain with a 4100 unit. The 8100 is geared for slow speed applications. Care must be taken to avoid shaft end pressure and deflection.

EXPLOSION PROOF — NEMA 7 / 9

All models of the 2100 / 8100 Speed Switch series may be purchased in a Factory Mutual Approved Explosion Proof housing constructed of high strength cast aluminum alloy. These units are Explosion Proof for Class I, Division 1, Groups C and D; as well as Dust-Ignition Proof for Class II, Division 1, Groups E, F and G hazardous locations, indoors.



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



Approximate shipping weight:

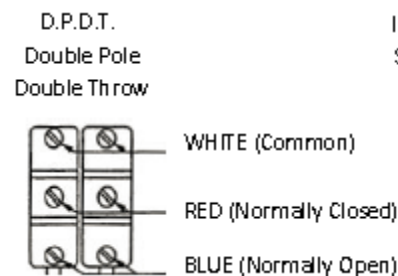
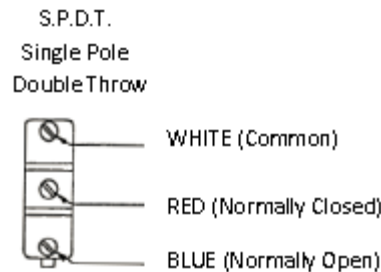
Aluminum Housing (AL)	4 lbs.
Cast Iron Housing (CI)	8 lbs.
Explosion Proof (EP)	12 lbs.

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:



Direction
Indicating
S.P.D.T.

