

Tripper Position Switch / CONVEYOR COMPONENTS CO.



Model TPS

The Model TA-TPS is a tripper position switch, which is a heavy duty limit switch commonly used to aid in positioning of the "tripper" on a conveyor with multiple discharge points or discharge chutes. The output contacts of the Model TA-TPS can control up to two separate circuits, one for machinery shutdown and one for an alarm.

The Model TA-TPS is relatively inexpensive protection that provides benefit by saving the time, money, and labor associated with bulk material transfer.

Technical Specifications

- The housing is cast aluminum, with optional epoxy or polyester powder coatings available. These coatings will provide protection against corrosion that is equal or greater than cast iron.
- The roller is a heavy duty white acetal material of 3" diameter.
- The unit is mounted on the conveyor by drilling (3) 13/32" diameter holes.
- General purpose (weatherproof) units and explosion proof units have (1) 3/4" NPT conduit opening.
- The units have a dry, unpowered microswitch(es) rated for 20A @ 120 VAC, 240 VAC, and 480 VAC.
- The roller arm can move up to 90 degrees in either direction. Roller is spring loaded to automatically reset itself.
- The operating temperature range is -40°F (-40°C) to 150°F (65°C).
- The general purpose units are designed NEMA Type 4/4X weatherproof and corrosion-resistant, and NEMA Type 5 dust-tight. Explosionproof units are designed NEMA Type 7/9 for dust ignitionproof and vapor explosion proof. The dual-rated "D" units are designed NEMA Type 4X weatherproof and NEMA Type 9 dust ignition proof.
- The general purpose controls are IP65 compliant.
- UL listing and CSA certification is pending.