

MODEL TPS

TRIPPER POSITION CONTROL



HEAVY DUTY LIMIT SWITCH

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 time, money, and labor associated with bulk material transfer.

AVAILABLE MODELS

MODEL	DESCRIPTION	SHPG. WT. LBS.
TA-2-TPS	2 Single Pole Double Throw (SP/DT) Microswitches*	9
TA-5-TPS	2 Double Pole Double Throw (DP/DT) Microswitches*	9
TA-2X-TPS	2 Single Pole Double Throw (SP/DT) Microswitches**	9
TA-5X-TPS	2 Double Pole Double Throw (DP/DT) Microswitches**	9
TA-2D-TPS	2 Single Pole Double Throw (SP/DT) Microswitches***	9
TA-5D-TPS	2 Double Pole Double Throw (DP/DT) Microswitches***	9

*GENERAL PURPOSE NEMA TYPE 3S, 4, 4X, & 5

***EXPLOSION PROOF NEMA TYPE 7: Class I (Div. 1 & 2), Groups C & D; Type 9: Class II (Div. 1 & 2), Groups E, F & G

***DUAL RATED NEMA TYPE 3S, 4, 4X, 5; Type 9: Class II (Div. 1 & 2), Groups E, F & G

EXCLUSIVE FEATURES

1. The housing is cast aluminum, with optional epoxy coating available. The roller is a heavy duty white acetal material of 3" diameter.
2. The unit is mounted on the conveyor by drilling (3) 13/32" diameter holes.
3. General purpose (weatherproof) units and explosion proof units have (1) 3/4" NPT conduit opening.
4. SP/DT microswitches: Individually adjustable. Rated 20 amp at 125, 250, or 480 VAC, 1/2 Amp 125 VDC; 1/4 Amp 250 VDC.
5. DP/DT microswitches: Individually adjustable. Rated 15 amp at 125, 250 VAC.
6. The roller arm can move up to 90 degrees in either direction. Roller is spring loaded to automatically reset itself.
7. All models are rated ambient -13° to 104°F (-25° to 40°C).
8. The general purpose units are designed NEMA Type 4/4X weatherproof and corrosion-resistant and NEMA Type 5 dust-tight. Explosion proof units are designed NEMA Type 7/9 for dust ignition proof and vapor explosion proof. The dual-rated “D” units are designed NEMA Type 4X weatherproof and NEMA Type 9 dust ignition proof.
9. The general purpose controls are IP65 compliant.
10. Certification: cULus Listed.