

MODEL TA

BELT ALIGNMENT CONTROL

BELT ALIGNMENT MADE SIMPLE

The model TA Conveyor Belt Alignment Control protects conveyor belts from damage due to belt misalignment or runoff. These controls are used in pairs with the control placed on each side of the conveyor belt. Each unit can be equipped with two microswitches to produce signals indicating belt misalignment at two deviation points. The first signal point could indicates a small belt deviation by sounding an alarm. The second signal point could guard against extreme belt runoff by shutting down the conveyor.

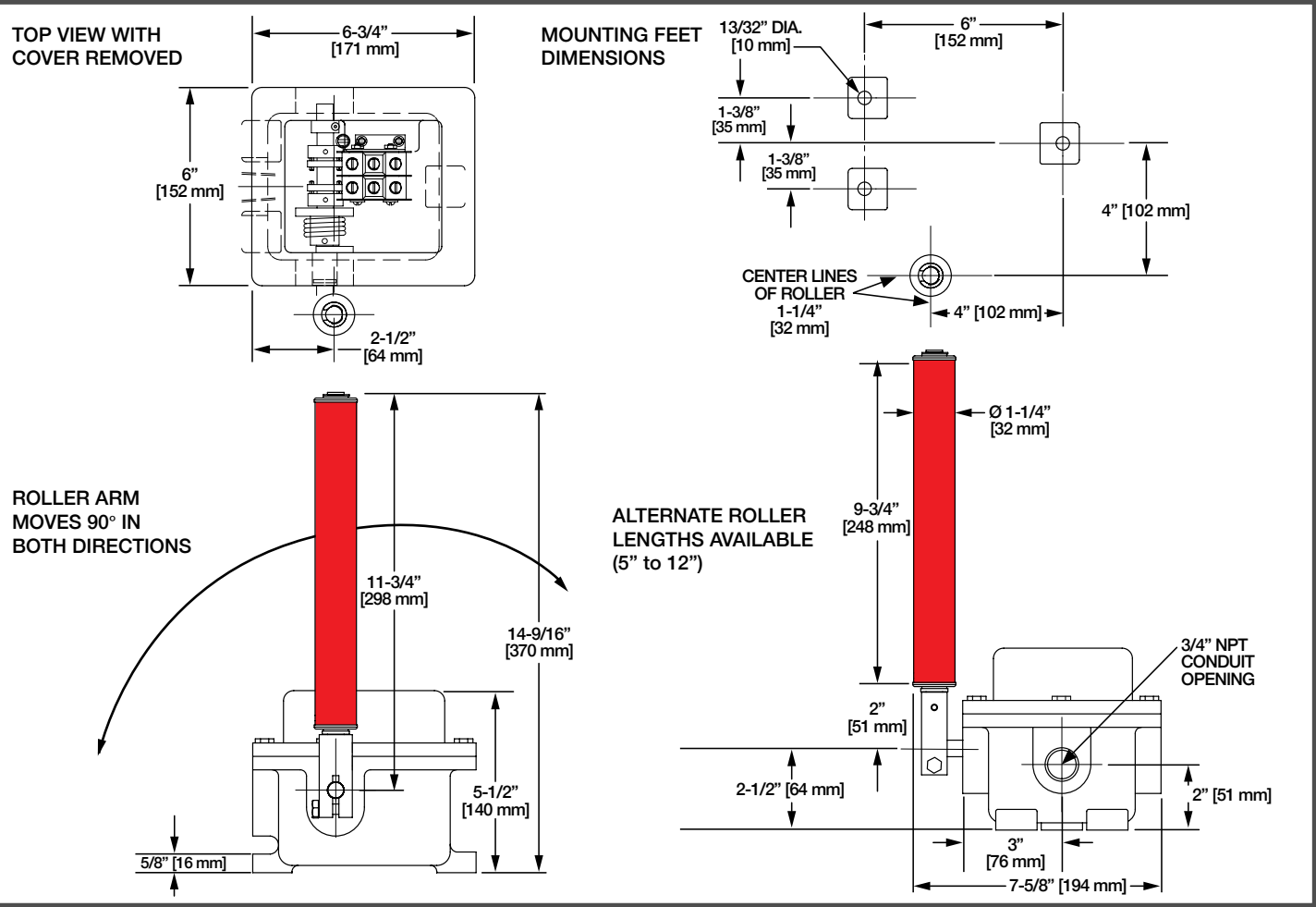
Each control consists of an aluminum housing with a red powder-coated roller. The roller is adjustable up to 90° in both directions and is positioned approximately 1" from the conveyor belt. The control actuation points are adjustable from 0° to 45° by a simple change of the actuating cam(s). The model TA can be furnished with general purpose or explosion proof construction. Epoxy coated cast aluminum housing available upon request.

AVAILABLE MODELS

MODEL	DESCRIPTION	SHPG. WT. LBS.
TA-2	2 Single Pole Double Throw (SP/DT) Microswitches*	11
TA-5	2 Double Pole Double Throw (DP/DT) Microswitches*	11
TA-2X	2 Single Pole Double Throw (SP/DT) Microswitches**	11
TA-5X	2 Double Pole Double Throw (DP/DT) Microswitches**	11
TA-2D	2 Single Pole Double Throw (SP/DT) Microswitches***	11
TA-5D	2 Double Pole Double Throw (DP/DT) Microswitches***	11

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

MODEL TA DIMENSIONAL INFORMATION



NUMBER OF UNITS RECOMMENDED

No less than four alignment controls should be installed on each conveyor, one on each side of the belt near the head and tail pulleys. For longer conveyors, we recommend an additional pair every 250 to 500 feet.

TA MOUNTING BRACKET Fits all TA Models.
TA-30

Special Roller with Ball Bearing Ends available: Roller ball bearings denoted by yellow end-cap.
Note: Standard roller has white polymer plain bearings.
 Add "-RBB" to end of model number.

EXCLUSIVE FEATURES

- MANUAL RESET:** A positive lock-out model with manual reset is available. Available only on General Purpose units.
- SP/DT microswitches:** Individually adjustable. Rated 20 amp at 125, 250, or 480 VAC, 1/2 Amp 125 VDC; 1/4 Amp 250 VDC.
- DP/DT microswitches:** Individually adjustable. Rated 15 amp at 125, 250 VAC.
- Switches may be wired for single throw operation, either normally open or normally closed as required.
- STANDARD CONSTRUCTION:** Rubber gaskets seal units against dust and rain for NEMA 4, 4X outdoor applications. Applies to weatherproof units only. NEMA 7/9 units also available (without gasket).
- HOUSING:** Aluminum. Epoxy coating available.
- CONDUIT OPENING:** One 3/4" NPT conduit opening.
- ACTUATING ARM:** Red powder-coated steel roller with stainless steel shaft.
- EXTERNAL HARDWARE:** Stainless steel.
- All models are rated ambient -13° to 104°F [-25° to 40°C].
- Enclosure Ratings: TA-2, TA-4, TA-5: C-UL-US Types 3S, 4, 4X & 5.
- TA-2X, TA-4X, TA-5X: C-UL-US for Class I, Groups C & D; Class II, Groups E, F & G; Class III Hazardous Locations.
- TA-2D, TA-4D, TA-5D: C-UL-US Types 3S, 4, 4X & 5; Class II, Groups E, F & G; Class III Hazardous Locations.
- CERTIFICATION:** cULus Listed.
- Special 5" (shorter) height roller available, add "-R5" to end of model number. Other alternate roller lengths available (5" minimum to 12" maximum, standard style roller only, not ball bearing style).
- Special 304 stainless steel roller (with red polyester powder coating) available, add "SS" to end of model number and \$ to the price. Currently not available in ball bearing version.
- Special roller with ball bearing ends available, add "-RBB" to end of model number and \$82.00 to the price. The "-RBB" roller is 9-3/4" inches in length, same length as the standard roller. Shorter "-RBB" lengths possible, such as 5" (-RBB-R5), 6" (-RBB-R6), 7" (-RBB-R7), 8" (-RBB-R8) or 9" (-RBB-R9).