

BELT SWAY SWITCH

The BELT SWAY SWITCH functions in two ways; detecting any deviation or sway in the conveyor belt and providing an alarm and sending out signal to stop the conveyor.



Use of the switch in material transport system can prevent damage to the conveyor belt and / or drive system and avoid consequential confusion on transport lines in the event of an accident.


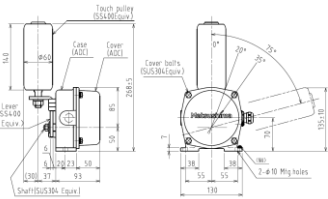
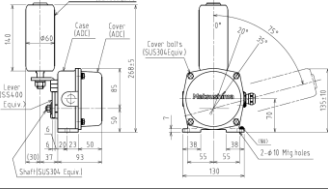
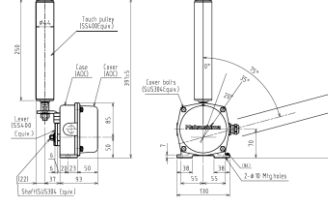
FEATURES

- Weatherproof Type. IP67
- The Belt Sway Switch is constructed with high reliability microswitches, lubricateless ball bearings, a touch pulley which is tilted to 75° , and other parts; its functions are designed with a large margin for sure action and long life.
- The switch has the difference of 2° between ON and OFF, to switch certainly at an action point. Therefore, this switch can prevent belt conveyor troubles by a simple circuit.

SPECIFICATIONS

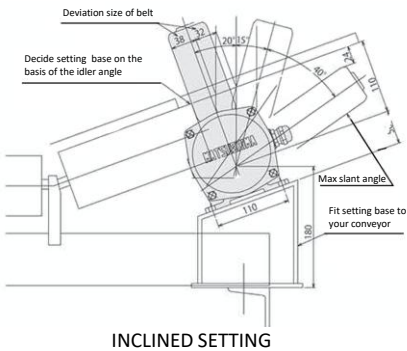
Type	Refer to standard products on the following pages.
Enclosure	Type ELAP-20 : Weather proof,IP67 Type ELADP-80,ELADP-81 : Dust-ignition-proof, Ex tD A21 IP68 T85°C
Contacts	2c
Capacity	15A-125, 250VAC, 1/2A-125VDC
Inclination angle of touch pulley	MAX 75°
Operating torque of touch pulley	3.4~5.4N (0.35~0.55kgfm)
Lead outlet	Type ELAP-20 : Cable size Φ6~Φ12 Type ELADP-80,ELADP-81 : G1/2 (Cable size Φ6~Φ12)
Temperature	-20°C~+60°C
Coating color	Munsell 7.5GY6/10

APPEARANCE & DIMENSION

Type	Appearance	Dimension diagram in mm
ELAP-20 Weather proof Mass/2.9kg		
ELADP-80 Dust-ignition-proof type Mass/2.9kg		
ELADP-81 Dust-ignition-proof type Mass/2.9kg		

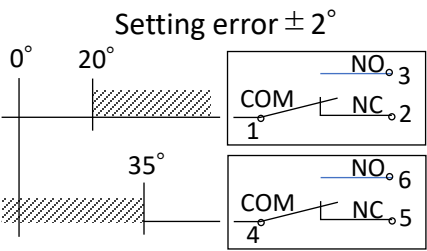
INSTALLATION EXAMPLE

Each dimension shown in the figures is based on a three-trough type belt conveyor, trough angle 20°, and belt width 600mm. For large belt width, compute dimensions of setting base by referring to the figures.




OPERATION

- The angles shown in the figure are the slant angles of the touch pulley.
- The contact 1-2 closes at 20° slant, and opens at 18° in reset.
- The contact 4-5 opens at 35° slant, and closes at 33° in reset.
- Action position of the contacts (limit switches) can be changed by adjusting the cams.



▨ : Indicates close circuit(on terminal 1-2 or 4-5)
• Terminal 1-2 recovers 18° , Terminal 4-5 recovers 33°



Caution
Read the instructions to ensure correct and suitable application of products.
Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

*Specifications are subject to change without notice.
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