



Alignment Detector BSD1000



OVERVIEW

The SCANBELT Conveyor Belt Alignment Detector System monitors the alignment of the Conveyor belt by measuring the horizontal drift of the conveyor belt from the 'trained' position. The alignment detector does not make any contact with the conveyor Belt whilst the conveyor Belt is operating within its limits.

In the event of the conveyor belt misaligning beyond its allowable drift limit, the edge of the conveyor belt will come into contact with the striker rollers.

Continued Drift will result in the trip mechanism being activated. Drift will result in the trip mechanism being activated. The unit is factor setup to trip when the striker roller moves approximately 18 degrees from the home position.



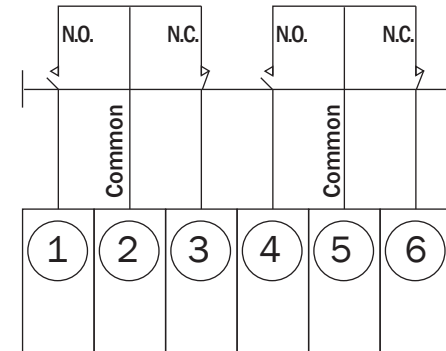
Alignment detector

Technical Data

Mechanical		
Parameter	Value	Unit
Frame	Mild Steel Hot Dipped Galvanized	
Trunion and Shafts	Stainless Steel	
Bearings	Pre-Lubricated and Sealed	
Seals	Nitrile	
Rollers	Polyurethane	
Fixings	Stainless Steel	
Operating Temperature	-10 - 70	Degree C
Degree of Protection	IP65	

Electrical		
Parameter	Value	Unit
Contact Rating	1.5A @ 240V ac	
At 240V	5	A
Switch Configuration	2 Sets of NC-COM-CO	

Connections		
Parameter	Value	Unit
Connection	Screw Terminal	



Connection Diagram
(Switch configuration*)

