

Electro-Sensors Product: BA100 Series Conveyor Belt Alignment Switches (single or dual setpoint models available).

Application: To monitor belt tracking and sense when the belt is out of alignment due to wear or overloading.

How it works: The BA100 is mounted on the frame of the conveyor and adjusted so the roller arm is the correct distance and angle from the outside edge of the belt. When the belt wanders out of alignment it makes contact with the roller actuator arm, causing the belt alignment switch to send an alarm or conveyor shutdown signal. Typically four belt alignment switches are recommended per conveyor. Two units mounted across from each other at the head pulley and two more units mounted across from each other at the tail pulley. For conveyors longer than 1,500 ft, an additional two pairs of switches are recommended

Typical power plant application: A series of belt alignment switches would typically be installed along an overland coal conveyor to prevent the possibility of machine damage, product waste and downtime, should a fault condition occur.

Benefits

- Early level warning - less product waste
- Rugged probe construction
- Accurate monitoring system
- Prevent damage, waste, and downtime

