

Belt Alignment Switch



Description

This robust unit is designed to give consistent and reliable operation when used in the most demanding of environments such as the conditions encountered in mines and quarries. These units are used in pairs, one on each side of the conveyor to be protected at those points where misalignment is likely to occur.

The unit is equipped with a switch which is activated when misalignment of the conveyor occurs and thus the conveyor can be stopped before the conveyor or the associated rollers are damaged.

Construction

The switch and associated terminals are mounted in a weatherproof plastic moulded enclosure which is fitted with two CM20 20mm cable glands.

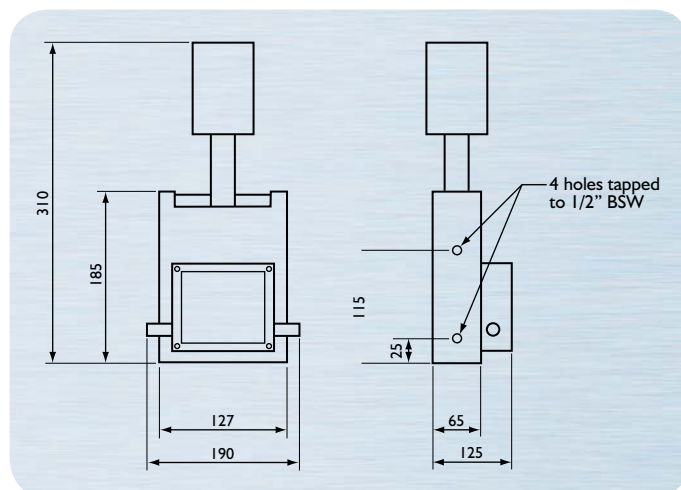
The plastic enclosure is mounted on a steel channel which carries the actuating arm. When the unit detects misalignment, the actuating arm rotates 90° to a horizontal position allowing it to be seen from along the conveyor.

Switch Rating

The unit is fitted with a single-pole changeover microswitch rated at 250volts ac; 10amps.

Dimensions

The overall dimensions are shown below:



Ordering Details

When ordering, please specify code number HC35382 for a single unit, normally two units are required.



Davis Derby Limited

Davis Derby is a long established designer and manufacturer of intrinsically safe electronics and explosion-proof electrical equipment. All our equipment is designed for use in underground coalmining and other hazardous or demanding atmospheres. Davis Derby is also a leading provider of off-road vehicle driver access control and fleet management information systems. Our products are in service across the world in a variety of mining and arduous environments.

Davis Derby Limited comprises of 4 core strategic business units:



StedFAST™

Mines, quarries, steelworks, power stations and processing plants are demanding environments. Hazards are many and varied and nowhere more so than where bulk materials are being conveyed in the presence of personnel. Incidents involving product spillage, misaligned or torn conveyor belts and other mechanical malfunctions can cause injury to staff as well as costly downtime, damage to machinery and loss of revenue.



MineWATCH™

Mine productivity and personal safety have been priorities at Davis Derby for more than two decades. In this time we have led the way in product development, harnessing cutting-edge technologies and the potential of microprocessor based outstations.

Bespoke

With a long history of developing unrivalled safety, communication and monitoring products for hazardous, explosive and arduous environments, Davis Derby is uniquely positioned to offer a bespoke design and manufacturing service for industrial applications. Our engineers are also specialists in adapting existing technology to be suitable for operation in hazardous gas and dusty atmospheres and obtaining the appropriate certification to ATEX, IECEx, UL and CSA standards.



TruckLOG™

Designed with demanding materials handling environments in mind, the Davis Derby TruckLOG suite of modules tell you everything you need to know about who's driving your trucks – and how. It puts you firmly in control of driver access, shock reporting and investigation, driver training needs and vehicle service and maintenance schedules.

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