

Belt Wander Switch

Application

Bramco's advanced Belt Wander Switch has been designed to detect conveyor belts abnormal belt wander.

Bramco Group has developed a robust Belt Wander Switch that can be used on existing belt control systems. The enclosure of the new switch has been designed to allow space for the accommodation of suitable Data Transmitting Devices that are compatible with new high tech belt control systems such as Bramco's Integrated Control and Management System (CCMS).

The components of this switch are manufactured from rust resistant materials and the control arm has a rotating roller to prevent damage to the edge of the belt during activation of a belt wander. The trip arm has the ability to pivot in any direction from a fixed point on the switch enclosure.

When connected to an ICMS circuit the module screen receives two separate reports, concerning belt wander:

- 1 Warning of a belt wander, the location of occurrence and event logging
- 2 Belt shutdown, due to belt wander and the location of the occurrence.

There are three micro switches in the enclosure. Activation of the first switch gives the warning signal of belt wander. The other two switches are activated simultaneously and shut the belt down until the wander fault has been rectified. The trip switches are available with a mechanically adjustable time delay if required.

The enclosure has three twenty millimeter diameter conduit holes tapped into the enclosure for the control cables.

A trip defeat switch is available as an optional extra. This permits the belt to be restarted to correct the wander situation.

Features:

- When excessive belt wander occurs the switch is activated to isolate control circuits.
- Control arm operates from its axis in any direction from a fixed point on the enclosure.
- Control arm has a rotating nylon rollers to avoid damage to belt edges.

Optional Features:

- Adjustable mechanical delayed tripping contacts.
- Electrical trip defeat switch available.
- Accommodation for and fitting of an electronic monitoring "bug" that provides belt wander warning and, tripping for Bramco or other electronic control CCMS systems.

Specifications

- 173mm x 98mm x 72mm Aluminium enclosure with 4 mounting holes 5mm in diameter.
- Control arm 215mm long, 30mm in diameter, plus 220mm long control spring.
- Twelve outlet terminal block.
- Three x 20mm diameter conduit supply entries on bottom. (More available if required)
- 240VAC electrical rating.
- 5Amp @ 240VAC contact rating.
- IP65 enclosure rating.
- Temperature rating of -30° to 80°C

Ordering Information

A00614	Standard Belt Wander Switch.
A00520	Belt Wander Switch with ICMS inverted bug.

Add the Letter D for a Defeat Switch.

Add the letter T for adjustable delayed trip time.

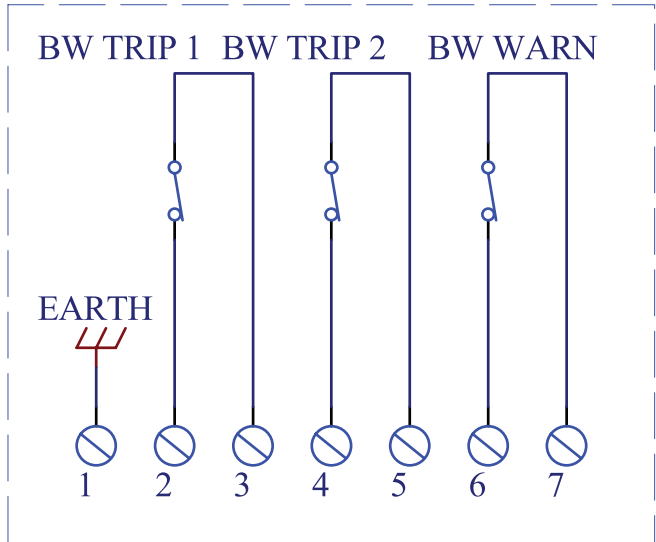
e.g. A00614D for the Defeat Switch

Bramco Contacts

19 Aruma Place
Cardiff, NSW 2285
AUSTRALIA

Telephone +61 2 4954 4721
Email sales@bramco.com.au
www.bramco.com.au

Connection Diagram



Outline and Mounting Hole Dimensions

