CTS 600 BCD[®] BLOCKED CHUTE DETECTOR





BCD CONTROLLER

The BCD Controller provides a relay interface between a tilt type probe and the conveyor control system. In addition to the relay output, an adjustable timer allows the unit o be set to avoid spurious trips caused by material striking the probe. The timer setting defines the amount of time which the tilt switch must be activated in order to latch the relay. Once the controller has been tripped, the relay will remain latched until either the local or external reset input is energized. The activation delays can be field adjusted from instantaneous to nine (9) seconds. The controller also comes standard with a bi-color high intensity LED that indicates green for normal and red for a trip. The red LED paired with a strobe light and (2) 105 db pezio electronic horns indicate a trip status.

BCD PROBE

The Blocked Chute Detector is a tip over switch mounted inside the chute to detect any restriction of material flow within a transfer point. Blockage which causes the switch to tilt more than 15 degrees will activate the switch. The switch consists of a 360 degree NON-MERCURY micro tilt switch that activates at 15 degrees and resets at 10 degrees. The housing is constructed of 85 durometer urethane for maximum durability in the roughest environments.



WHO IS ARCH ENVIRONMENTAL?

Manufacturer and worldwide distributor of preferred bulk conveyor components since 1975.





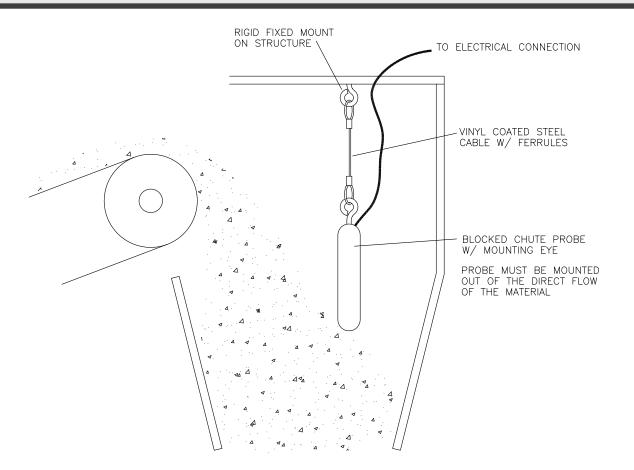
MECHANICAL DIVISION

Belt Cleaners • Belt Alignment • Sealing Systems Dust Control Systems • Impact/Slider Systems

ELECTRICAL DIVISION

Belt Scales • Metal Detectors • Pull Cord Switches Belt Protection Devices • Conveyor Control Systems

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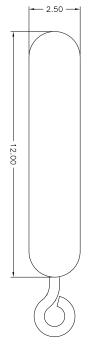
BCD CONTROLLER SPECIFICATIONS

Power Requirements: 100-240 VAC 50/60Hz Relay: 120 VAC 12 Amps Switch: One normally open and one normally closed Reset: Internal and External (N/O Dry Contact) Visual Indications: bi-color high intensity LED and Red Strobe Light Audio Indication: (2) 105db Piezo Electric Horns Enclosure: 8" x 6" x 3"

ELECTRICAL SPECIFICATIONS (Not using Arch Controller)

120V 60Hz 1.7A 240v 60Hz .75A 12VDC 1A





Covered under one or more of the following patents:, 4,202,437;4,231,471;4,436,446;4,489,823;4,533,036;4,779,716;4,877,125; 4,989,727;5,149,305;5,222,588;5,222,589;5,219,063;5,350,053;5,725,083 other patents pending