

CTS 600 BCD[®] BLOCKED CHUTE DETECTOR

- ✓ Simple Installation
- ✓ Low Maintenance
- ✓ Fast Delivery
- ✓ Corrosion Resistant



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 to 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 pezieo 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.



800.553.4567 www.archenv.com

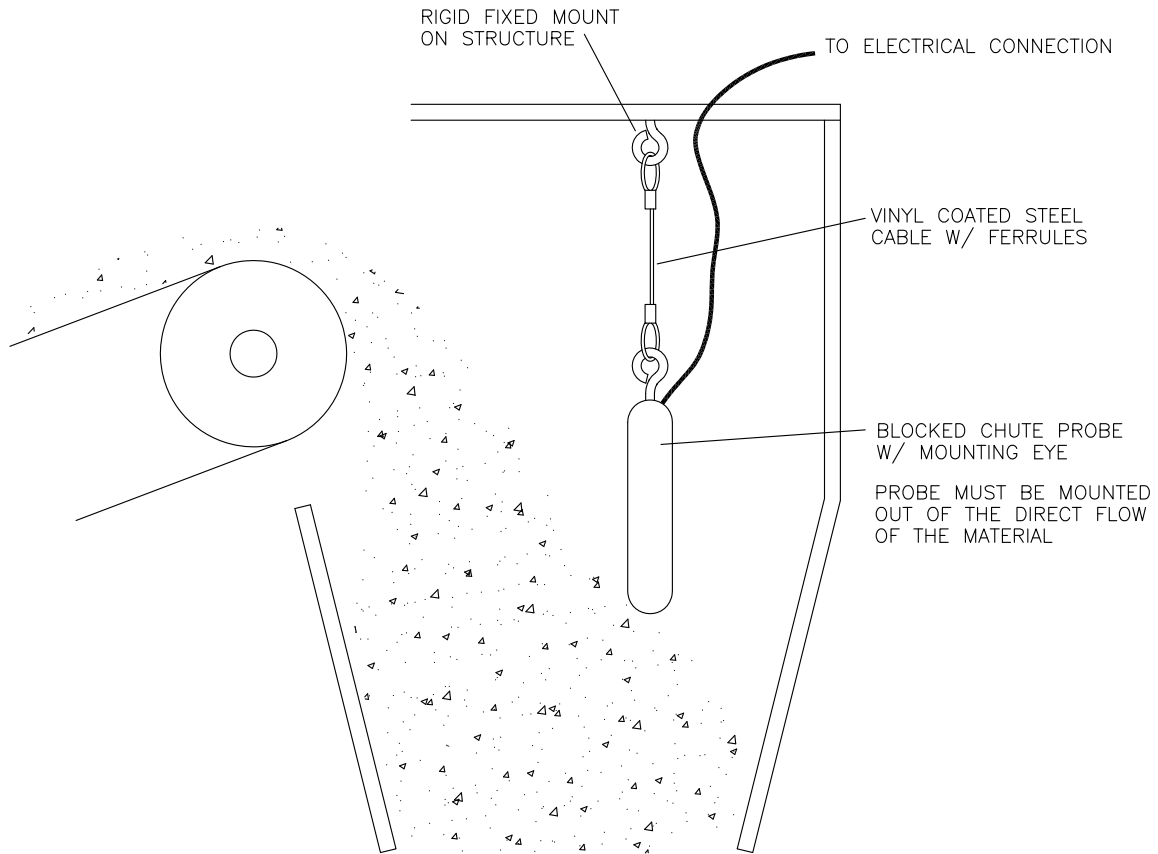
MECHANICAL DIVISION

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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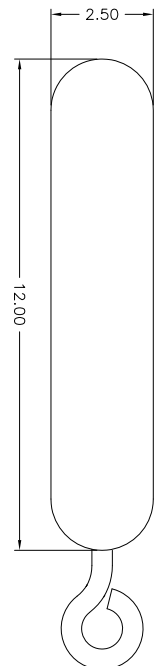


BCD CONTROLLER SPECIFICATIONS

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



Note: If available, prices vary with options.