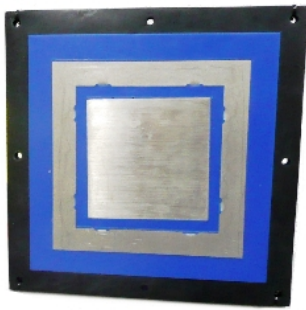




## Super Cote-Shield™ - Blocked Chute Switch



**Heavy Duty Coating rejection for the most difficult applications!**

### No Maintenance

Drexelbrook's Super Cote-Shield™ circuitry works overtime to reject wet or dry coatings that can build up as a result of rain, dust suppression or other upstream water sources.

### Drexelbrook's Flush-Mounted Sensors

Reliably detect presence or absence of material flowing through chutes. If process material stops flowing due to a plugged chute condition, the system will alarm, allowing further action to occur (alerting an operator, shutting down a conveyor belt, etc.). This permits the operator to prevent a problem before it happens

### Simple to Install

Single entry. Mounts easily via a square cut out. Removable gaskets to align perfectly with the inside of your chute or vessel.

### Economical Without Sacrifice

- Retains superior performance
- Less maintenance than alternative technologies; no moving parts to hang up or wear out.

### Output

- DPDT Relay dry contact

### Remote Electronics

- Electronics can be remote mounted away from vibration and shock.
- More convenient and safe location

### Rugged Sensor Design

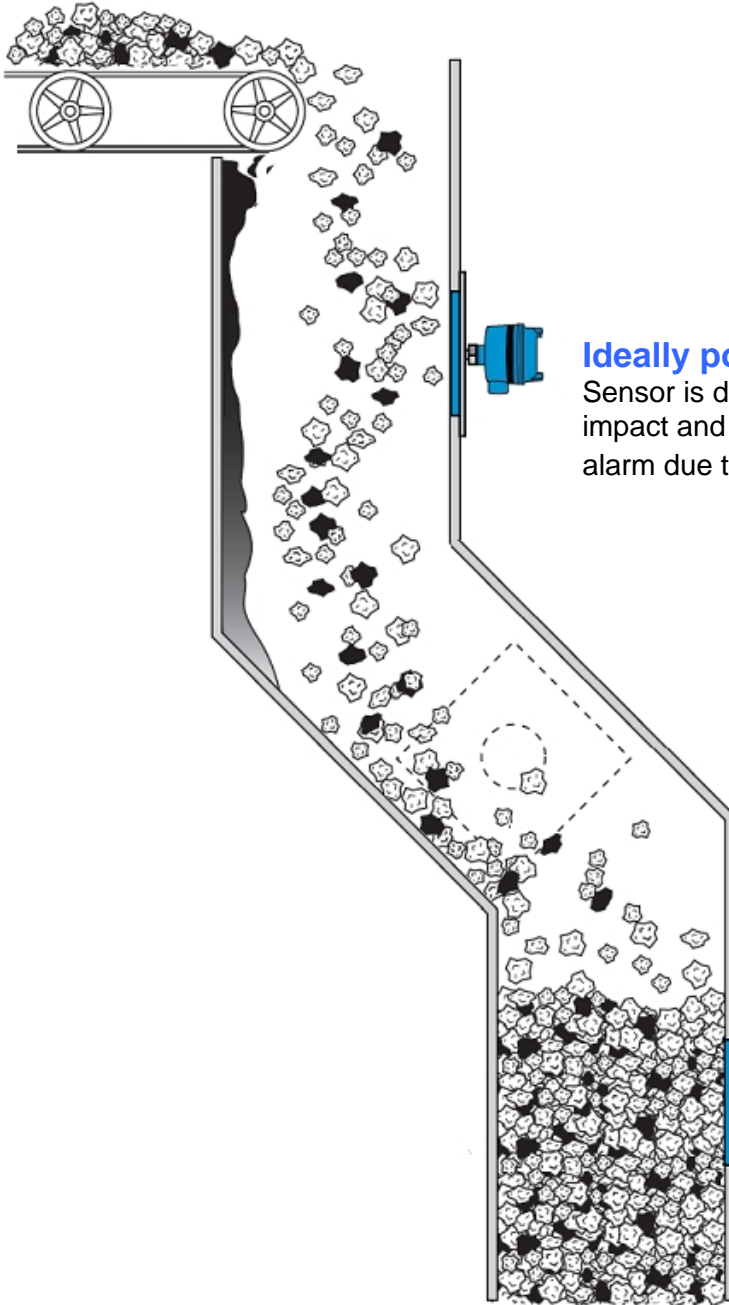
Makes these systems ideal for coal (pulveriser and transfer chutes), wood chips, ores, powders, etc. Since they are flush mounted through a chute wall, nothing protrudes into the chute to interfere with or obstruct material flow.

### Sees Through Coatings and Wall Build Up

Drexelbrook's Cote-Shield™ Circuitry will "See" through complete coverage of the sensor to ensure reliable and maintenance free operation.



# Super Cote-Shield™ - Blocked Chute Switch



### Ideally positioned in the fill path.

Sensor is durable enough to sustain direct impact and abrasion. Sensor won't false alarm due to product flowing across the face.

### Only Sees Stationary Product

Free flowing product is invisible to the sensor. Only halted product will trigger an alarm condition.



# Super Cote-Shield™ - Blocked Chute Switch

## SPECIFICATIONS

### Electronics

#### Power requirement:

- 120 ± 25 Vac, 50/60 Hz, 1 watt
- 240 ± 50 Vac, 50/60 Hz, 1 watt (optional)
- 12-30 Vdc 1 watt (optional)

#### Ambient temperature:

- 40°F to 140°F (-40°C to 60°C)

#### Level Output:

- DPDT relay

#### Contact Rating:

- 120 Vac; 5A non-inductive, 3 A inductive
- 230 Vac; 5A non-inductive, 2 A inductive
- 24 Vdc; 5A non-inductive

#### Time Delay:

- Adjustable 0-120 sec

#### Fail-safe

- Selectable. High level or low level.

#### RFI Protection (built in):

- The operating point for unit in housing is unaffected by 5W field @ 27 MHz, 150 MHz, or 450 MHz at a distance of 5 ft. from exposed sensor, cable, or power line.

#### Ingress protection

- IP66 / NEMA 4X

### Sensor

#### Process temperature/pressure:

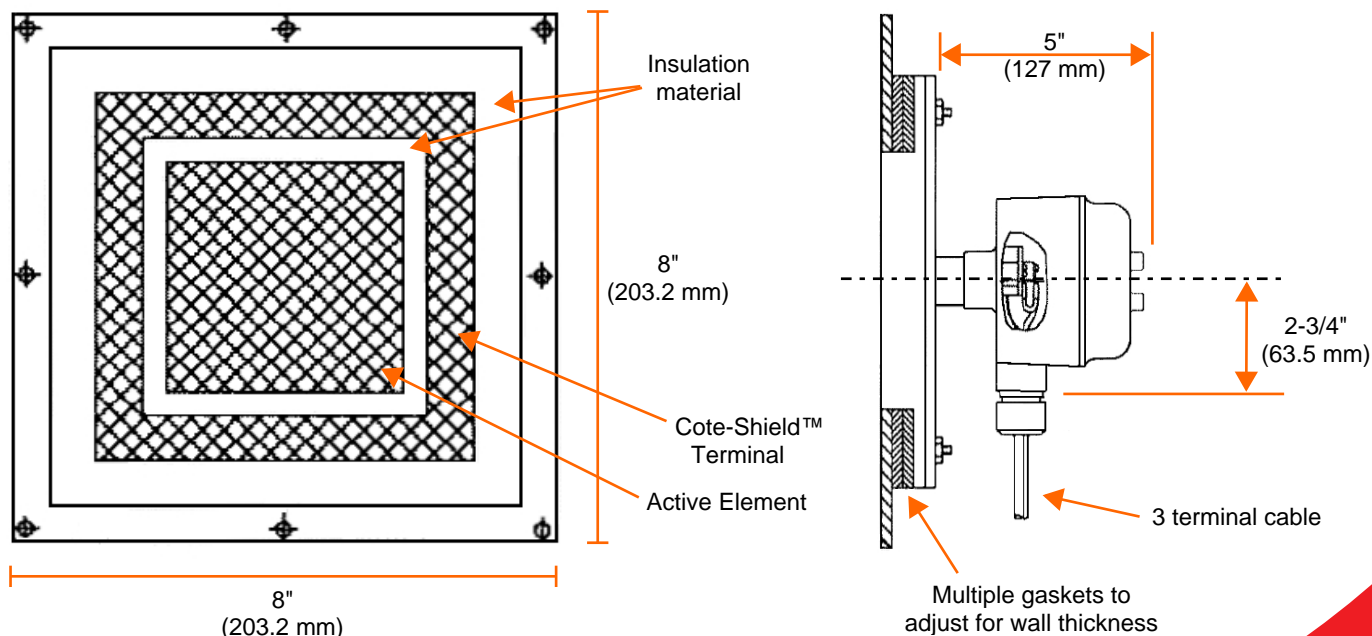
- 82°C max @ 1 PSI max

#### Material compatibility:

- 304SS & Special Polyurethane

#### Ingress protection

- IP66 / NEMA 4X





# Super Cote-Shield™ - Blocked Chute Switch

Part number: DR506-0070-A-BB-C-D-EEE

**A. Electronics Mounting** \_\_\_\_\_

- 0: Remote (standard option)
- 9: Integral

**BB. Sensing element** \_\_\_\_\_

- 01: 700-0207-006 (Standard option)
- 03: 700-0207-003, curved sensor
- 04: 700-0207-004, wall thickness > 9.5 mm
- 55: 700-1202-001, Insertion type probe.

**C. Power Supply** \_\_\_\_\_

- 1: 115 VAC
- 2: 24 VDC (Standard option)
- 3: 240 VAC

**D. Fail Safe (Field selectable)** \_\_\_\_\_

- 0: High (Standard)
- 1: Low

**EEE. Remote Cable Length** \_\_\_\_\_

- 010: 3 meter
- 015: 4.5 meter
- 025: 7.5 meter
- 035: 10.5 meter
- 050: 15 meter
- 075: 22 meter
- 150: 45 meter
- XXX: Integral configuration

**Example:** Remote system, standard sensing element, 24 VDC supply, High level fail safe, 7.5 meter cable.

Part number: DR506-0070-0-01-2-0-025