

Disc RF Admittance For Blocked Chute Detection - DRFA

Rugged & Reliable Point Level Switch to detect blocked chute condition in quarry, mining or any material handling plants to prevent corresponding spills for smooth operation of a process

Principle & Operation :

Its a two part system consisting of a disc type sensor and a controller. The sensor is mounted on the chute and wired to the controller. The increased presence of material in front of the sensor increases the capacitance and initiates an o/p relay.

Salient Features :

- ☑ Flush mounted probe forms a part of chute wall, nothing protrudes to interfere or obstruct material flow
- ☑ Minimum Maintenance due to "No moving parts"
- ☑ Three element coat guard technique to ignore any buildup or coating or dust condition leading to false signals
- ☑ Fail safe design
- ☑ Erosion resistant UHMWPE insulation
- ☑ Option of adjustable time delay

Specifications :

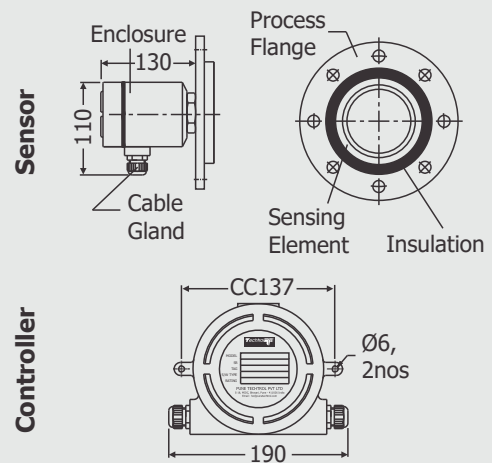
System	: Two part
Enclosure	: Cast Al WP IP 65 or SS304 WP
Cable Entry	: PG 13.5
Sensing Element	: SS304
Insulation	: UHMWPE (70°C) or PTFE (200°C)
Process Conn.	: 4"NB, ANSI 150# x10mm thk flange
Process Conn.	: CS or SS304 or SS316
Output	: 5A, 250VAC x DPDT
Amb Temperature	: 0 to 60°C
Supply	: 230 or 110V AC,50Hz or 24VDC
Safety operation	: Field selectable (FSL/FSH) switching
LED Display	: Green -"Normal", "Red" -"Alarm", Yellow -"Power ON"

Model Identification :

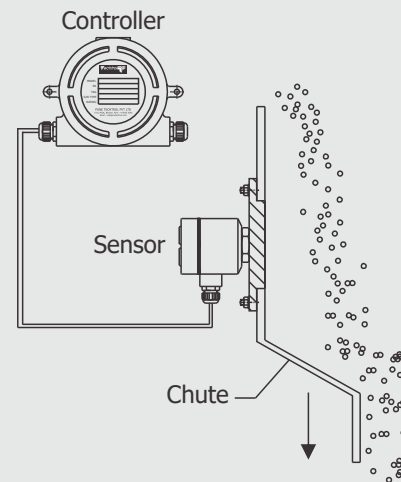
DRFA -	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td></tr></table>			
Probe Encl x Control Unit Encl				
Cast Al WP IP65 x Cast Al WP IP65	1			
Cast Al Ex-proof Gr. IIB x Cast Al WP IP65	2			
SS304 WP x SS304 WP	3			
Others	0			
Insulation				
UHMWPE (70°C)	U			
PTFE (200°C)	T			
Process Connection MOC				
CS	M			
SS304	N			
Others	O			



Construction :



Installation :



*All dimensions in mm except specified

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Custom built specs./options available on demand.

We reserve the right to modify design and specifications without prior notice.



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