

# 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 :

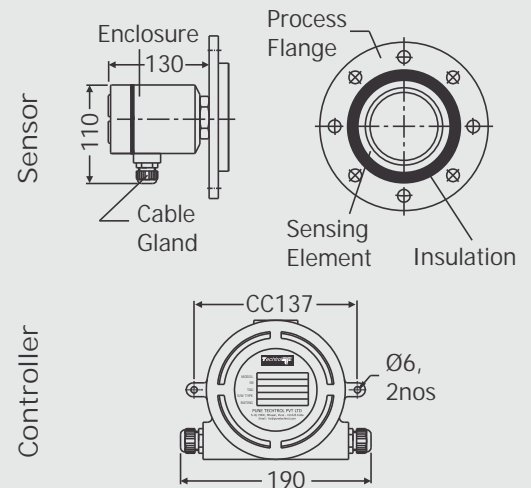
System	: Two part
Enclosure	: Cast Al WP IP 65 or SS304 WP
Cable Entry	: PG 16
Sensing Element	: SS304
Insulation	: UHMWPE (70°C) or PTFE (200°C)
Process Conn.	: 4"NB, ANSI 150# x10mm thk flange
Process Conn.	: CS or SS304 or SS316
Output	: 5A, 250VAC x DPDT
Amb Temperature	: 0 to 60°C
Supply	: 230 or 110V AC,50Hz or 24VDC
Safety operation	: Field selectable (FSL/FSH) switching
LED Display	: Green -"Normal", "Red" -"Alarm", Yellow -"Power ON"

## Model Identification :

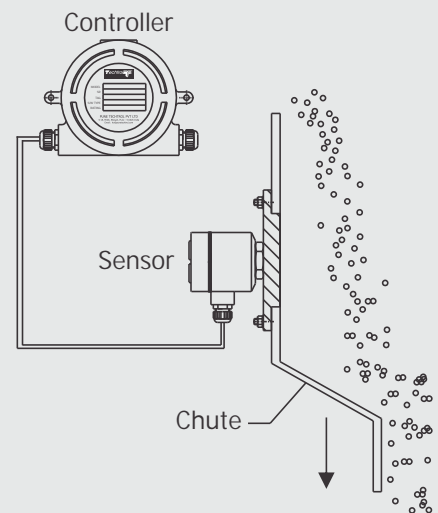
DRFA -			
Probe Encl x Control Unit Encl	1		
Cast Al WP IP65 x Cast Al WP IP65	2		
Cast Al Ex-proof Gr. IIB x Cast Al WP IP65	3		
SS304 WP x SS304 WP	O		
Others			
Insulation		U	
UHMWPE (70°C)		T	
PTFE (200°C)			
Process Connection MOC			M
CS			N
SS304			O
Others			



## Construction :




## Installation :



\*All dimensions in mm except specified

# Pune Techtrol Pvt Ltd

[CIN : U31909PN1991PTC063403]   
S-18, MIDC, Bhosari, Pune - 411026. India  
☎ +91-20-66342900 ✉ ho@punetechtrol.com 🌐 www.punetechtrol.com  
Works : J-52/7, MIDC, Bhosari, Pune - 411026. India ☎ +91-20-67313600  
Custom built specs./options available on demand. We reserve the right to modify design and specifications without prior notice.



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