Product Information



FULL EMPTY



ProGap II

Microwave Point Level Switch

FlowJam

Solids Flow/No Flow Detection





FlowJam

Flow/No Flow Detection

Description

The FlowJam is a Flow/No Flow switch for use with solids (non-contacting when used with an adapter). The system utilizes the latest microwave technology and Doppler principle to distinguish between the two switching conditions:

- Material Flow
- Material blockage or standstill

Installation

The FlowJam can be installed in metallic and non-metallic ducts, pipes, chutes , etc. Start up is as easy as setting the switching sensitivity and response time.

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Thread mounting



Mounting with separating flange



Flange mounting



Mounting with pipe clamp





ProGap II Microwave Barrier

Function

The ProGap is a point level switch, comprised of a transmitter and receiver, using the latest microwave technology. The sensor is used for intrusive and non-intrusive point level detection, controlling the flow of bulk material, positioning of items, and various counting tasks.

The microwave barrier is a non-contacting measurement, installed on silos, bunkers, ducts, shafts, containers and precipatators. For uses in non-metallic vessels, or through non-metallic windows, it may be possible for the sensor to remain completely outside the process. A pressure adapter and a temperature adapter can be used for installations with a maximum pressure of 290 psi or a maximum temperature of 428°F (220°C). The Precip Switch (modified ProGap) has inlet/outlet air purging connectors for the extreme temperatures involved. The new Hi Hi Temperature Adapter allows for a maximum temperature of 1292°F (700°C).

Installation

Connection of the 24 VDC power supply is made at the transmitter and receiver. The relay output is made available at the receiver.

Start Up

The ProGap start up procedure is as simple as adjusting the switching sensitivity and response time.







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ProGap II

Microwave Point Level Switch

Technical Data

Housing	Stainless Steel EN1.4541/ASTM321
Protective system	NEMA 4x (IP 65)
Ambient temperature	-4+140 °F
With temperature adapter With Hi Hi temperature adapter	-4+428 °F -4+1292 °F
Working pressure range	14.5 psi
With pressure adapter	290 psi
Detection range	013 ft (4 m) 059 ft (18 m) >59 ft (18 m) on demand
Power supply	1224 VDC - 0/+15% 1630 VAC - 0/+15%
Power consumption	Approx. 1,8 VA
Current consumption	Max. 100 mA
Relay output max. • Voltage • Current • Capacity	42 V AC/DC 1A AC/DC 60 VA, 50 W
Response time	0.1 s…5 s Continuously adjustable
Measuring frequency	K-Band 24.125 GHz ± 100 MHz
Transmitting power	Max. 5 mW
Weight	Transmitter 2.41 lbs (1.1 kg) Receiver 2.41 lbs (1.1 kg)

FlowJam

Flow/No Flow Detection

Technical Data

Sensor	
Housing material	Stainless Steel EN1.4541/ASTM321
Protective system	NEMA 4x (IP 65)
Ambient temperature	-4+140 °F
With temperature adapter With Hi Hi temperature adapter	- 4 + 428 °F - 4 + 1292 °F
Weight	2.21 lbs
Power supply	1230 VDC -0/+15% 1224 VAC -0/+15%
Measuring frequency	24.125 GHz; ± 100 MHz
Detection range	Approx. 0 6.5 ft (2 m)
Relay output • Voltage • Current • Capacity	42 V AC/DC 2 A AC/DC 50 W / 60 VA
Working pressure range	14.5 psi
With pressure adapter	290 psi



Adapters

Pressure-Adapter can be used up to

maximum pressure of 20 bar (290 psi) and maximum temperatures of 220 $^\circ C$ (428 $^\circ F).$

Hi Hi Temp Disk and Plug with Hi Hi Flange Adaptor can be used for maximum

temperature of 700° (1292° F).

GLE BAL

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