



## RG1 LEVEL SENSOR

**Approved for explosive atmospheres:**  
ATEX zones 20 and 21 for dust

**Application:**

- Designed to indicate the presence or absence of bulk materials such as grains, pellets, chemicals, wood chips, and other powders. It is ideal for hoppers and silos
- Can be top and side mounted

**Features:**

- The detection of material is achieved by a rotating paddle. If material impedes the rotation of the paddle, the motor topples on its axis and triggers an alarm
- The RG1 has a variety of compatible paddles which offer the ability to detect a wide range of products
- Optional extensions and shard guards make installation easier and cater for more challenging applications



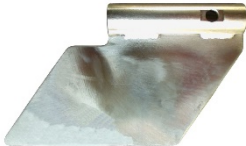



**Part numbers:**

- **RG1V4A** – 24VDC supply voltage
- **RG1V56A** – 110VAC to 240VAC supply voltage





**RG1 PARTS & ACCESSORIES**

PADDLES		
Part number	Description	Picture
RG1SP1	Single Vane Nylon Paddle ø120 x 100 mm.	
RG1SP3	3 Vanes NYLON Paddle ø120 x 65 mm.	
RG1SP1-SS	Stainless Steel Vane ø120 x 100 mm.	
RG1SP4-SS	4 Vanes Stainless Steel ø100 x 60 mm.  For heavier materials.	
RG1SP4-SS-L	4 Vanes Stainless steel. ø138 x 60 mm. Mounting with flange. For lighter materials.	
RG1SPV-SS	1 Vane Stainless Steel Paddle.	

Please refer to instruction manual for correct installation.  
Information subject to change or correction. Jan 2020

Detailed specification, wiring diagrams and installation/operating instructions available upon request.



**RG1 PARTS & ACCESSORIES**

EXTENSIONS		
Part number	Description	Picture
RG1EXT-0500-SS-G	Extension with rod guard in stainless steel 500mm/1000mm/1500mm long.	
RG1EXT-2000-SS-W	Stainless steel flexible extension 2m.	
MOUNTING BRACKETS / FLANGES		
RG1MP1	Standard aluminium flange. External diameter 203 mm. 2 center holes $\varnothing$ 178 mm. 6 equidistant $\varnothing$ 7,5 holes.	
RG1-TUBE-2.5"	Iron sleeve 2"1/2 BSPP / Gas Thread.	
RG1-TUBE-2.5"-SS	Stainless steel sleeve 2"1/2 BSPP / Gas Thread.	

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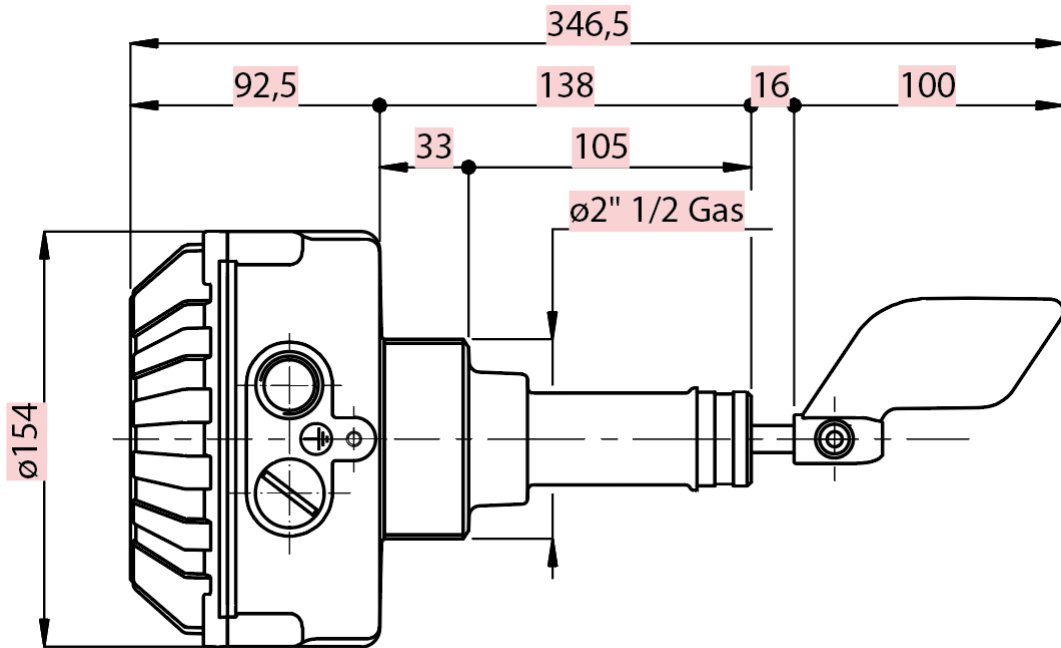
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TECHNICAL SPECIFICATIONS

Model	RG1V56A	RG1V4A
Power supply	24-240 VAC/VDC (50/60Hz)	24VDC
Output	Change over relay 10 A at 250VAC	Change over relay 10 A at 250VAC
Mounting	ø 2"1/2 BSPT / Gas	ø 2"1/2 BSPT / Gas
Conduit Entry	Two conduit entries tapped ø 1/2" BSPP	Two conduit entries tapped ø 1/2" BSPP
Enclosure	Die-cast aluminium casing	Die-cast aluminium casing
Operating temperature range	-20°C + 70°C	-20°C + 70°C
Protection	IP65	IP65
Certificates and approvals	ATEX Zone 20 / Zone 21	ATEX Zone 20 / Zone 21

DIMENSIONS



Note: All dimensions are given in mm.

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