



ROTARY LEVEL SWITCH RLS20

PRODUCT NAME:

Rotary Paddle Level Switch

PRODUCT CODE

(Basic Code): RLS20-A1A1

CATEGORY:

Level Switch for Solid and Powder material



ROTARY LEVEL SWITCH MADE IN IRAN



The paddle level switch, also known as a paddle, rotary, motorized, and rotary switch, is a piece of equipment used in various industries that require the storage of powdery and granular materials in tanks or silos. This device is employed for point-level detection in powder and granule storage vessels. Due to its unique design and to assure peace of mind for our esteemed customers, Maham Precision Instruments Industrial Group offers a 2 year warranty and 10 years service for this equipment.



KEY FEATURES

- Compact design
- For powder tanks with a lot of dust and long life
- Equipped with Phoenix relays for output contacts
- Durable and high quality parts
- Quick and easy installation
- Enhanced version of European brands
- All used parts have 2 years warranty and 10 years of service

TECHNICAL DATA SPECIFICATION

Supply: 220 AC ,110 AC , 24 AC/DC ,12 DC

Output: Relay ,SPDT PHOENIX 230Vac ,16A

Material: SS 304 , Al, Plastic , ST37

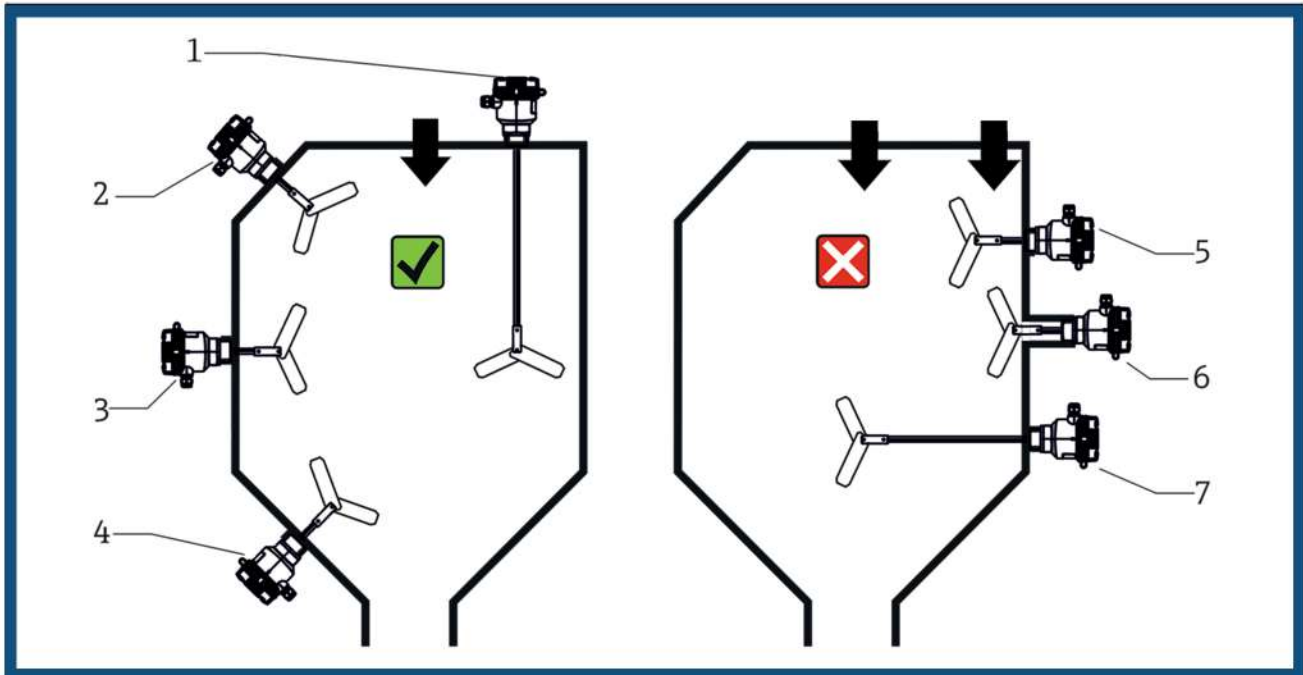
Connection: G 1 1/2, G 2, G 3/4

Shaft length from below thread: Selectable according to technical code (item 6)



Do not manually turn the shaft.

INSTALLATION



Permitted orientations

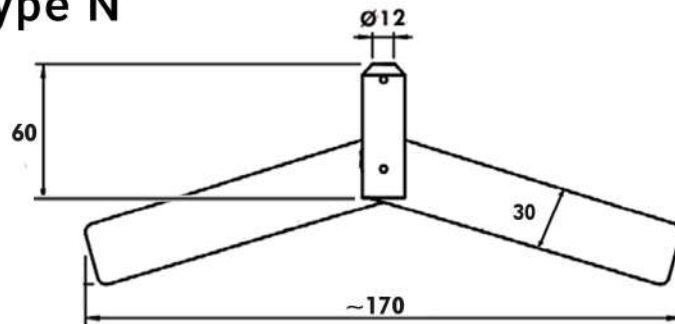
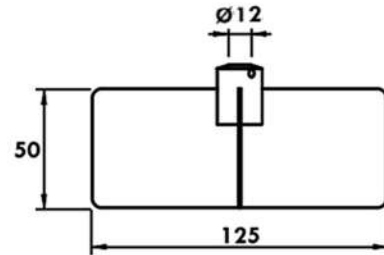
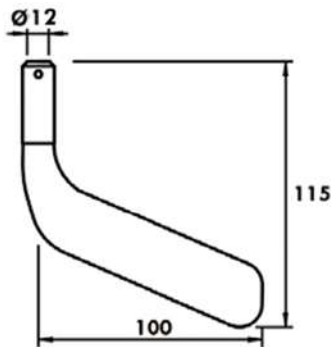
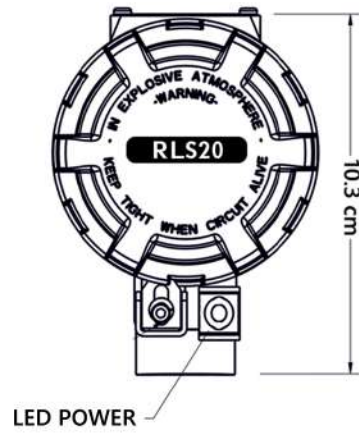
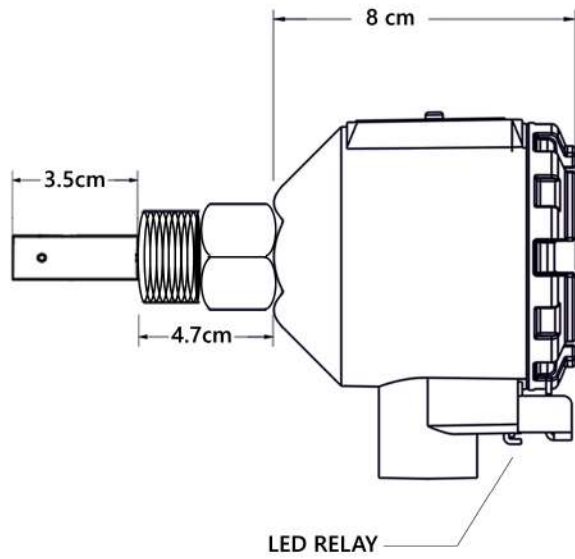
- 1: Vertical from the top
- 2: Angled from the top
- 3: From the side
- 4: From the bottom (Device must be protected against shock-type loads)



Forbidden orientations

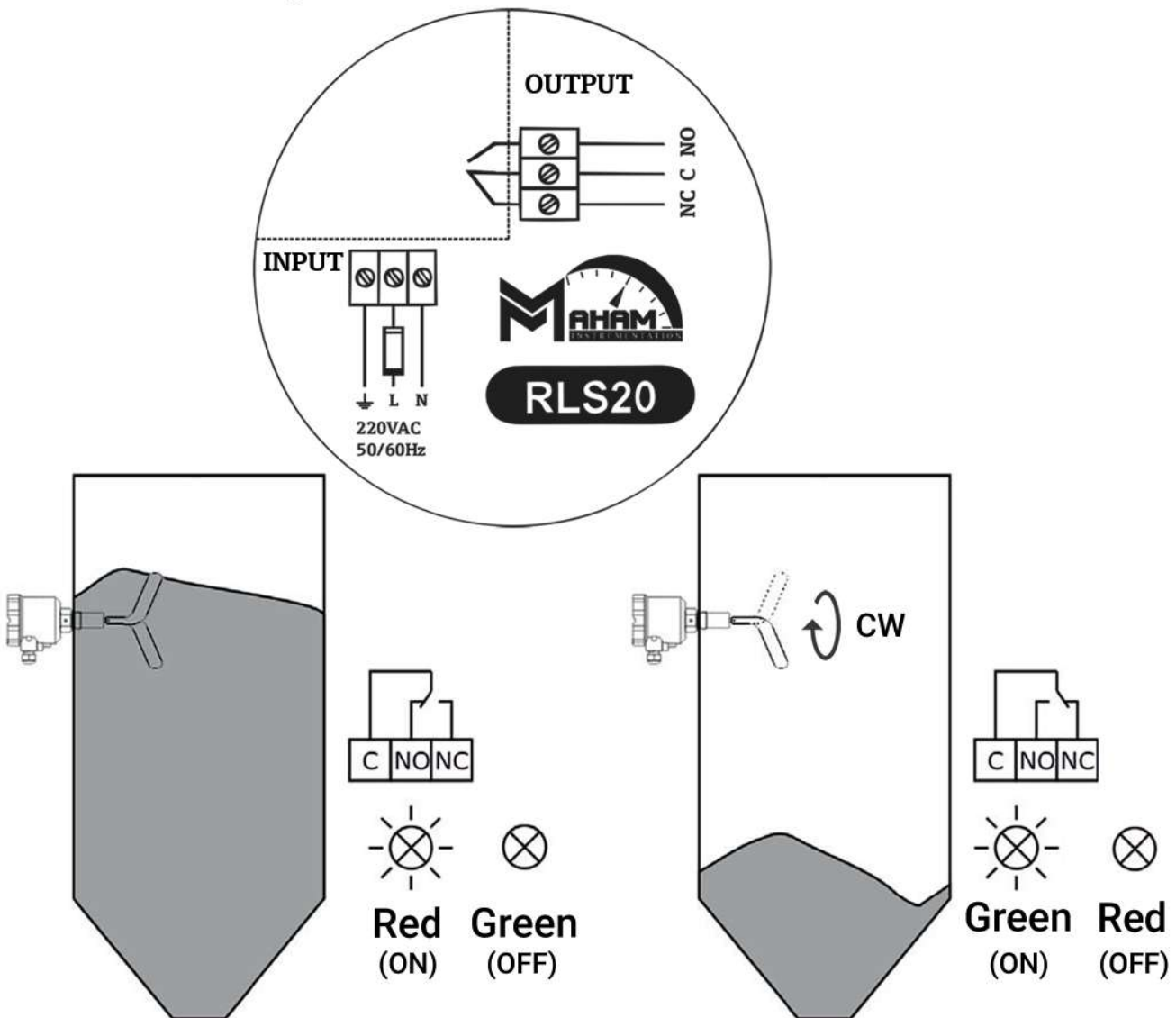
- 5: In direction of solids flow
- 6: Installation coupling too long
- 7: Horizontal with shaft length >300 mm (11.8 in)

DIMENSITY



ELECTRICAL CONNECTION

The power supply of the device is connected to the input terminal according to the voltage and equipment nameplate. Electrical safety requirements for 220V and 110V systems must be met. This device includes a grounding protector. An isolation feature such as a network breaker must be placed before the input of the transformer. The green LED on indicates that the silo/tank is empty and the vanes are rotating clockwise. The red LED on indicates that the blade is full and engaged with the material. be Also, the performance of these LEDs indicates the healthy and correct operation of the device. In order to prevent the device from being vulnerable to voltage fluctuations and current draw, appropriate protective equipment has been used in the design of this level switch.



Order Details RLS20

① ②③④⑤⑥
RLS20-X X X X-X

① Basic Code: _____

② Power Supply: _____

A= 220 VAC

D=24 VDC

B= 110 VAC

E= 12 VDC

C= 24 VAC

③ Conn. material: _____

1= SS

2= ST37

3= Plastic , PTFE

4= Aluminium

④ Output: _____

A= Relay , PHOENIX, 16A

B= Micro Switch Contact , 3A

⑤ Shaft length (under thread): _____

1- Standard(150mm)

5- 300mm

2- 75mm

6- 400mm

3- 100mm

7- Wire Rope

4- 200mm

⑥(option)Vane: _____

1= X

2=N

3=V