



**ROTARY PADDLE
LEVEL SWITCHES**

1. ROTARY PADDLE LEVEL SWITCHES

The paddle switch operating principle is simple, a unit is usually located through the bin wall at the top, middle or low level of a bin. During normal operation (no material present) a synchronous motor rotates the paddle at 1 RPM. When this paddle rotation is impeded by the material surrounding the paddle, the motor will stall and cause the micro switch to change state and indicate an alarm or control condition.

FEATURES

- Airtight sealing device, outdoor application is available.
- Unique sealing ring design prevents dust ingress to housing along the shaft.
- The torque force is adjustable.
- The performance of torsion is stable and reliable.
- If the rotary paddle bears an extra overload, the motor will be appeared slide to prevent the inside mechanism being damaged.
- It is rationally designed, the inside mechanisms can be easily torn down for maintenance and replacement while still on the silo.

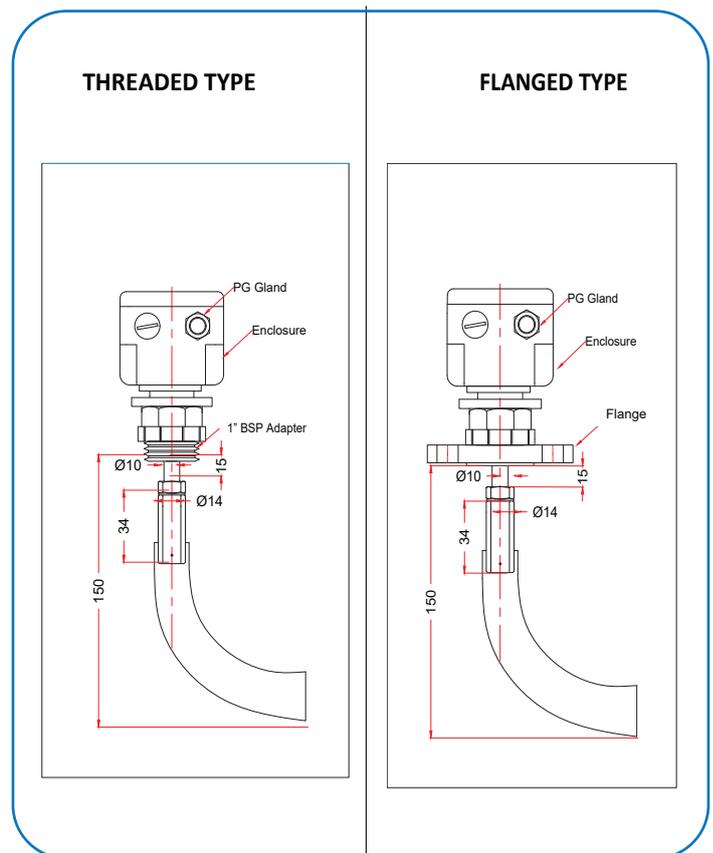


1.1 SPECIFICATIONS

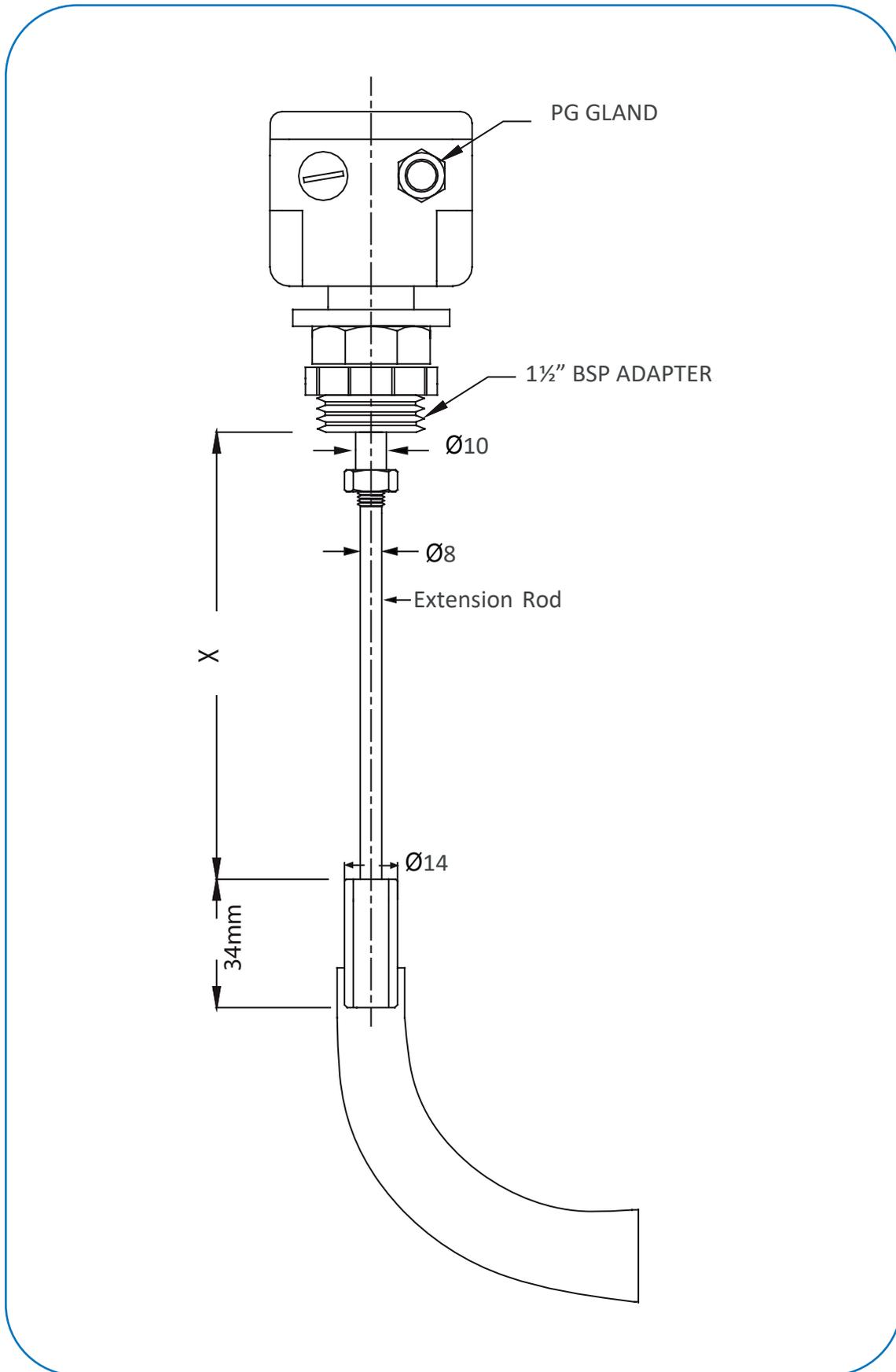
Power source	: (A) 110V AC 50 / 60 Hz (B) 220V AC 50 / 60 Hz
Contact capacity	: SPDT 5A / 250V AC
Power consumption	: 4W (max.)
Ambient Temp	: -20°C + 60°C
Operating Temp	: -20°C + 70°C
Operating Pressure	: 2 kg/cm ²
Rotary speed	: 1 RPM
Torque	: 1.1 ~ 1.6kg/cm ² + 0.2
Connection	: Threaded; 1" BSP/ NPT Flange; 2½" BS 10 - E

APPLICATION

Powders, Plastic, Chemical, Forage, Cement and Fertilizer powders.



1.2 VARIABLE LENGTH ROTARY PADDLE LEVEL SWITCH



Note : Maximum Length provided is 1m.



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