

Rotary level ELF



The Ensim ELF Rotary Pedal level switch series is used for level control in silos and tanks where solid particulate material are stored. With different types of probes and pedals, a full and empty signal can be received in a very difficult application in a secure level control. It can be connected horizontally or

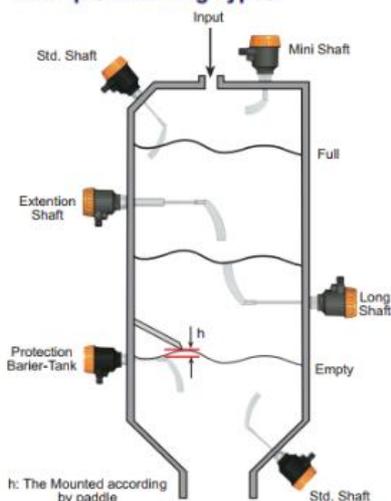
vertically. Ex proof models available.

Working Principle:

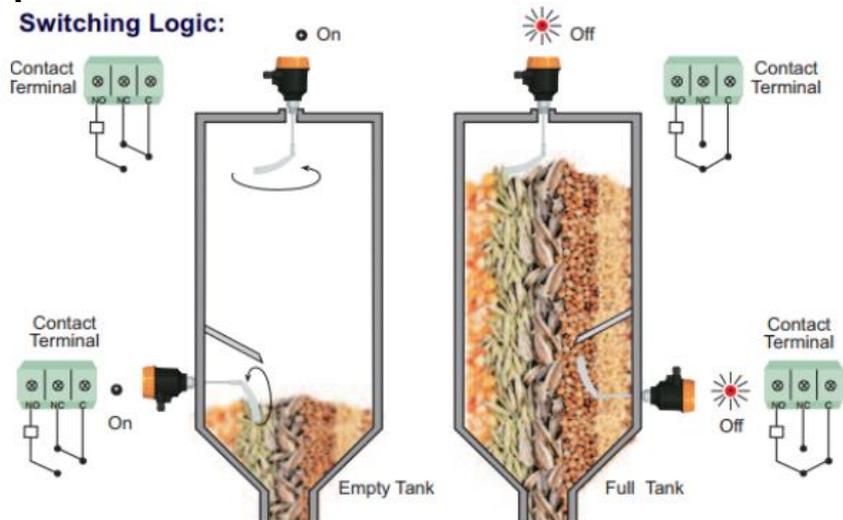
At the end of the probe level of the motor level switch that can be mounted on the tank wall, the materials is selected according to material. The probe rotates continuously with the number of the revolutions of the motor. The material to be sensed reaches the level of the pallet and forms a counterforce against the rotation that occupies the environment. First the level information alarm contact is activated. Then the other contact is activated and stops the motor. According to specific weight of the material, user can adjust the four different torque values. The level of the material at the end of the pallet is thought to occur and the motor starts to rotate again the alarm position changes.

Mounting and Switching Options:

Example Mounting Types:



Switching Logic:



Applications:

- Plastic and Chemical Industry: PVC, PVDF, PP, granules etc.
- Food Industry: Grain, Flour, Salt, Sugar, Coffee, Barley, Sunflower, Sweetcorn, Peanuts, Powder, Wheat, Dried peppers, Milk powder, Cocoa etc...
- Construction Industry; Lime, Sand, Calcite, Cement, Coal, Gypsum, Silica Sand, Calcium Powder, Limestone Powder, Crushed Limestone, Iron Chips, Styrofoam, Sand etc.
- Wood Industry; Machining Dust Filters, Wood Fibre, etc.
- Power and Energy: Coal lump, Dry ash coal