

## OVR400

### Vibrating Fork Level Limit Switch Guide



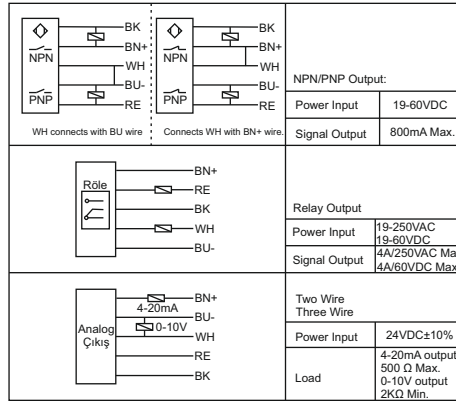
### Technical Specifications

Power Supply	19...60VDC 19...250VAC 50/60Hz
Reaction Time	2 San.
Ambient Temperature	-40...+70°C
Storage Temperature	-40...+85°C
Ambient Temperature	-40...+150°C
Operating Temperature	-1...+40 Bar
Detected Substance	Powder or pellets size:10mm,density:>0,1g/cm Liquid, viscosity=10000mm2/
Assembly	G1-N11"
Socket	M12 x P1.0 Adapter
Material	Stainless Steel 304
Fork Material	Stainless Steel 316
Output	Relay , Load AC250V/4A, DC60V/4A
	NPN, Load 800mA PNP, Load 800mA
Electricity	DC 0.25W, AC1.5W

### Connection Mode



### Connection

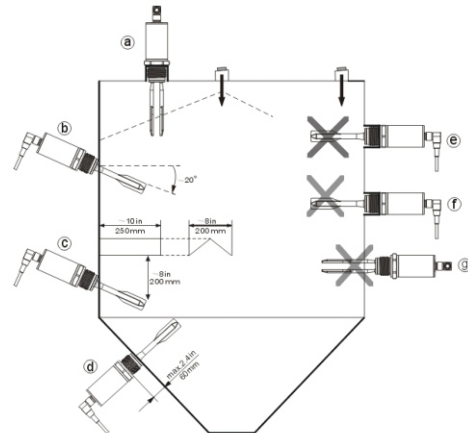


### Warning:

1. Unlock: Press "SET" button to unlock alternate Red and Green lights. Press and hold for 10 seconds until the LEDs flash. Normal after unlocking returns to operating mode. When the "SET" button is released, the Red and Green light will stop flashing.
2. Locking: If no key is pressed within 60 seconds, it will be locked automatically.
3. NO/NC Setting: In unlock condition, press and hold the "SET" button for 3 seconds and then the Red and Green lights flash. When the green LED is flashing, NO/NC release the button to enter the setting mode, and then set the required state. Press the "SET" button to setting.

### Installation Instruction;

1. Preferred mounting is at a 15-20 degree angle to reduce impact on materials. It should pass horizontally with an angle.
2. If it is necessary to keep materials away from the feeding port, A spacer plate is required to reduce impact.
3. The input to the junction box must be downwards and the power line fixing nuts should be tightened.
4. While operators are working inside the barrel, climbing an object or hooking. They can't use vibration sticks to do it.

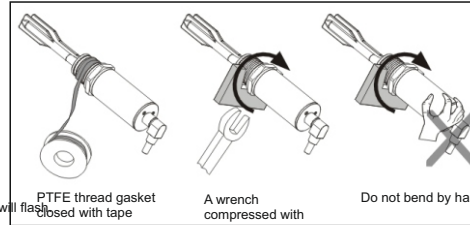
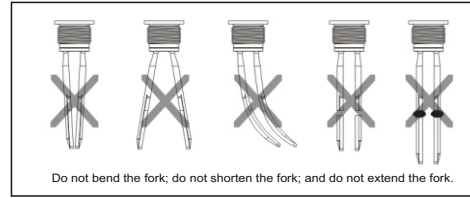


4. Learning Mode: Place the fork piece in the sensed medium for 5 seconds with determination and in unlock condition, press and hold the "SET" button for 3 seconds, and then alternate red and green lights flash. Release the button when the red LED flashes, red LED, flashes once to indicate waiting for learning status. Red LED flashes and goes twice to express learning situation. When flashing together and the user It is enough to press the "SET" button again to enter the learning mode.

### Warning :

1. This kind of learning function can overcome the vibration absorption after installation on the wall of the tank. It is not only to arrive but also to avoid erroneous operations caused by noise interference.

2. The factory setting is based on the density of water (1g/cm3). Density of detected object 1g/cm3 or equal or higher, it can be used normally without adjusting the learning function. Opposite However, when the density of the detected object is less than 1g/cm3, the learning function should reset.



### Convenient Installation

- a) Top Mounted: Anywhere perpendicular to the fork base and very far from the top of the feed hole must be mounted.
- b) Laterally Mounted: Fork gently 5-20 degrees to reduce shock and hanging from flowing materials may be angled downwards.
- c) Mounted with Lateral Shield: A shield is approximately 250mm long and 200mm wide. flowing materials 15-20 degrees to reduce shock and prevent faulty stock from coming from it. Can use slightly downward angled.
- d) Inside the Discharge Funnel: The maximum nozzle length is 60mm, so there is a stack that prevents the fork from swinging. does not occur.
- e) Faulty Assembly: Installed below the lateral curtain fill or feed port.
- f) Incorrect Fork Orientation : Wide Tooth surface is subjected to a high load caused to discharge material; It fails due to the remaining material inside. Distance between mounting nozzle and barrel The switch will normally not work when it is over 60mm.

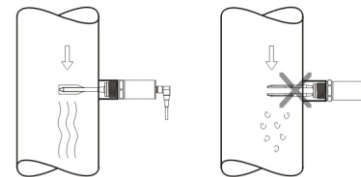
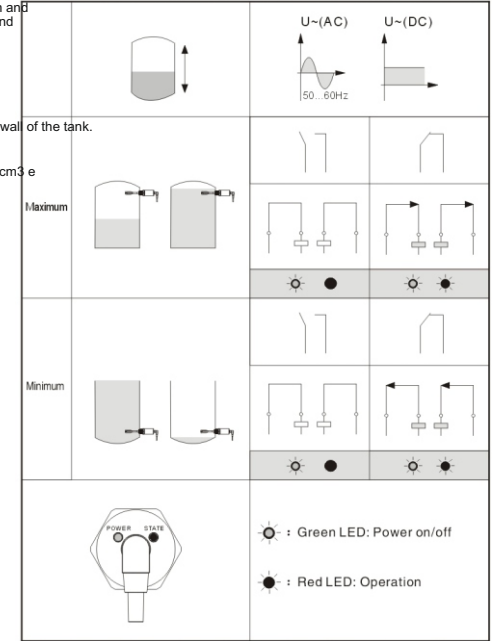
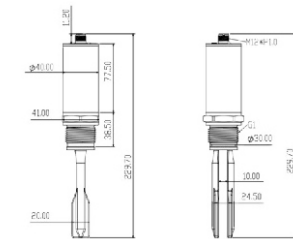


Figure : Installation in OVR400 pipe. The left assembly is correct, but the right assembly is incorrect.

### Status Indicator;



### Size;



### Accessory Features;

