



Ambient Operating Temperature -20...80°C  
 SPDT Max. 250VAC 3A Contact Output  
 200°C and 450°C High Temperature Option  
 Optional Aluminum Head Option  
 Dustproof Special Shaft for Optional Sealing  
 Adjustable Torque  
 Small and Compact Design for Simple Assembly  
 Stainless Steel Mechanical Parts and Robust Gear  
 Engine Maintenance Free  
 Easy setup  
 Suitable for Detecting Very Light Particulate Solids  
 Screw Thread

## Product Code

## Motor Type Level Sensor

ORLS400- / / / /

**Supply :**

- 0 = 220V AC
- 1 = 24V DC

**Immersion Length :**

- 010 = 10 cm
- 015 = 15 cm
- 020 = 20 cm
- 025 = 25 cm
- ⋮
- 0100 = 100 cm

**Number of Pedals:**

- 1 = Single Pedal
- 2 = Dual Pedal

**Pedal Type :**

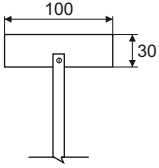
You can choose between 1...7

**Process Connection Type:**

- 1 = 1/2"
- 2 = 1"
- 3 = 2 1/2"
- 4 = DN 65 PN 6 F Flange

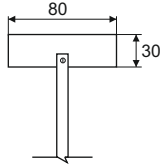
# Pedal Types

1



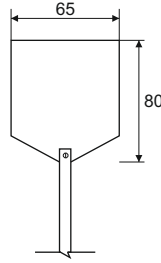
100x30x1,8

2



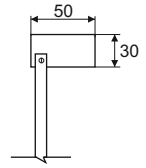
80x30x1,8

3



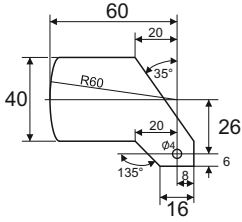
65x80x1,8

4



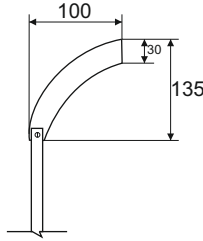
50x30x1,8

5



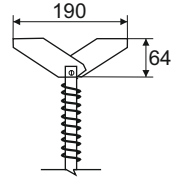
60x40x1,8

6



100x30x1,8

7



190x64x1,8

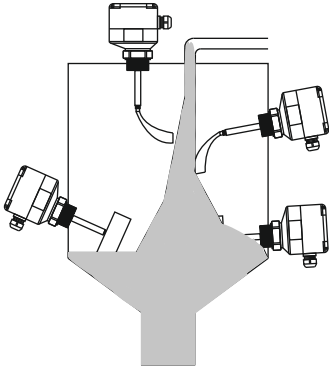
## Technical Specifications

<b>Supply</b>	24VAC 50/60Hz - 3RPM - 0,8kgf/cm - 2,5W 220VAC 50/60Hz - 3RPM - 0,8kgf/cm - 2,5W
<b>Çalışma Sıcaklığı Aralığı</b>	-20...80°C
<b>Contact Output</b>	SPDT Max. 250VAC 3A Contact Output
<b>Shaft Length</b>	Standard L = 80 mm Adjustable Range L = 80-1200 mm
<b>Pedal Types</b>	1 = 100 x 30 x 1,8 mm 2 = 80 x 30 x 1,8 mm 3 = 65 x 80 x 1,8 mm 4 = 50 x 30 x 1,8 mm 5 = 60 x 40 x 1,8 mm 6 = 100 x 30 x 1,8 mm 7 = 190 x 64 x 1,8 mm
<b>Connection</b>	Screw Threaded G1-1/2"

- Installation, top mounted or side mounted
- Check the detected meal weight.
- The dimensions of the flange or the holes of the tank check if it fits.
- Check the feed type.

# Installation

## 1.0 Mounting Type

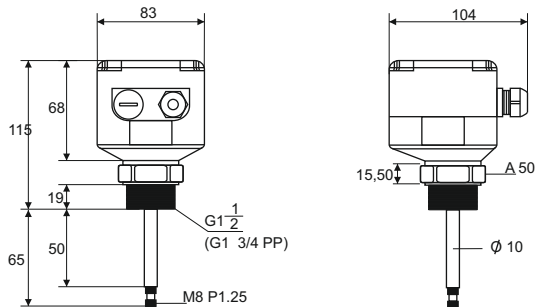


- 1.1 Check the following during installation.
  - 1.1.1 Check the switch above the blind area.
  - 1.1.2 You cannot measure instruments accurately if they are mounted at the blocking distance. (Blind area)
  - 1.1.3 Mount vertical switch on surface or side of targeted object.
  - 1.1.4 Drill a hole when connecting the head cable to the bottom of the tool during assembly. Mount the switch vertically on the side of the targeted object. cable The nut used to fix it must be firmly locked. (Fixed figure)
  - 1.1.5 Wings can be mounted directly without disassembly. When you choose the fixture It is mounted together with the sickle-shaped wing.
  - 1.1.6 To reduce solid mass shock, the switch is on the target object side when mounted vertically, it can also be mounted horizontally between 15°-20° mountable.
  - 1.1.7 High temperature if the temperature of the targeted object is above 80°C select the type.
  - 1.1.8 This product is prohibited from being installed at the tank entrance; However, crashing Add an extra shield of protection on this product to prevent This falling materials of this product if the product is required to do so may affect its operation.
  - 1.1.9 15mm and 15mm when installing this product at the bottom of the inlet from the 7M side of the tank protection shield for shaft when detecting volume with diameter above choose or miles Add protection type.

## Warning

- Make sure that the assembly is in an environment that complies with the limited temperature, pressure and other technical requirements.
- Make sure that the shaft and cable are at least 1 (one) meter away from high voltage and these wires.
- Make sure that the module is airtight by choosing a 6-7 mm diameter circular cable.
- Make sure the cable is firmly connected to the pipe or wall, correct and closed.

## 2.0 Dimensions

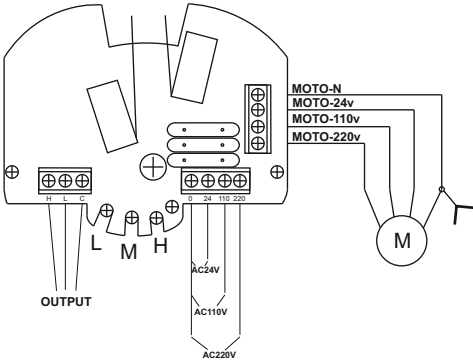


## 3.0 Mounting Type ;

There are 5 mounting types used as follows.

- 3.1 Standard Mounting: When applied to the screw thread, the wrench is directly applied to the wall of the container, is mounted.
- 3.2 Nut Mounting: Container wall vent (N=50mm<N<78mm, N vent diameter), then Screw it tightly to the inner wall with the hex nut.
- 3.3 Flange Mounting: Container wall vent(78mm<N<115mm, N vent diameter), and then Fix the flange to the wall of the container with the nut.
- 3.4 Fixture Installation: : Container wall vent (N=58mm, N vent diameter) and then fixture fix it for Finally, solder it to the ventilation system.
- 3.5 Adapter Mounting: Connect to the adapter with screw thread, and then connect the adapter to the wall of the container. (Thread size for adapter can be customized.)

## 4.0 Connection ;



Dotted Line - Disabled

Straight Line Not Obstacle

**Warning:** Check the wiring drawing for full connection.

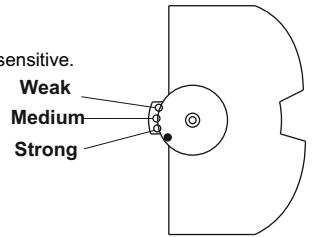
## 5.0 Torque Setting

Torsion welding axis is used to adjust the rotating torque. The blade is weak

In heavy solid measurement, torsion welding can be adjusted in strong position while sensitive.

Backlight cast when blade sensitivity increases, solid measurement, weak position adjustable. Threaded shaft, open the bottom and then torsion with a Pliers

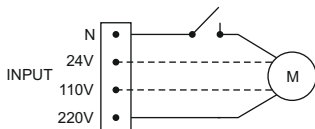
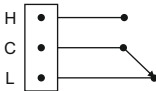
source clip. Torsion spring to the position that finally matches the desired torque move.



## 6.0 Circuit Principle

- When the engine is on, the C.L circuit is connected, it means it does not show resistance on the wing. C.L with engine off circuit is interrupted. At the same time, C.H circuit means blade resistance.
- When operating without a resistor, the C.L circuit is connected and the engine starts up again.

Use without a resistor



Resistant use

