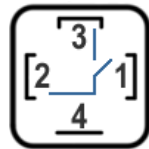




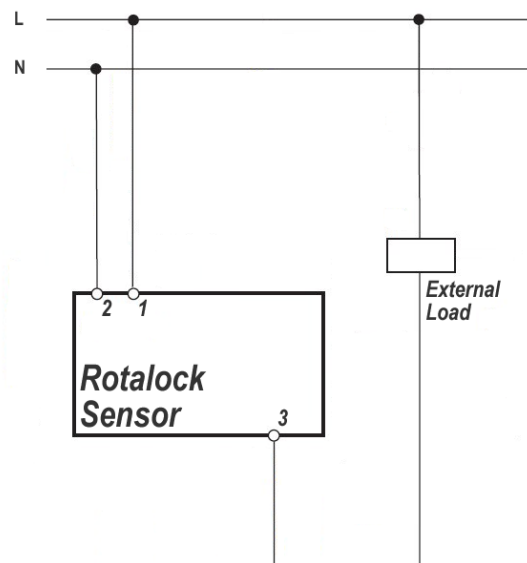
**Technical Data**

<b>Supply voltage (± 10%)</b>	230VAC @50Hz/110VAC @60Hz/24 VAC @50/60Hz/24VDC depending on selected model
<b>Electronic Protections</b>	Over voltage protection
<b>Electrical connection</b>	EN 175301-803A connector (EX DIN 43650 size A)
<b>Output signal</b>	Solid state output Normally Open or Normally Close in air.
<b>Output max. current</b>	Up to 100 mA
<b>Housing material</b>	Nickel plated steel
<b>Enclosure protection class</b>	IP 65
<b>Working Temperature range</b>	-40°C..+125°C
<b>Maximum Pressure</b>	45 bar
<b>Torque Tighten</b>	100÷150 Nm for adapter installation on the system. Hand Screw with strength the sensor to the adapter

**Electrical Connections / Wiring**



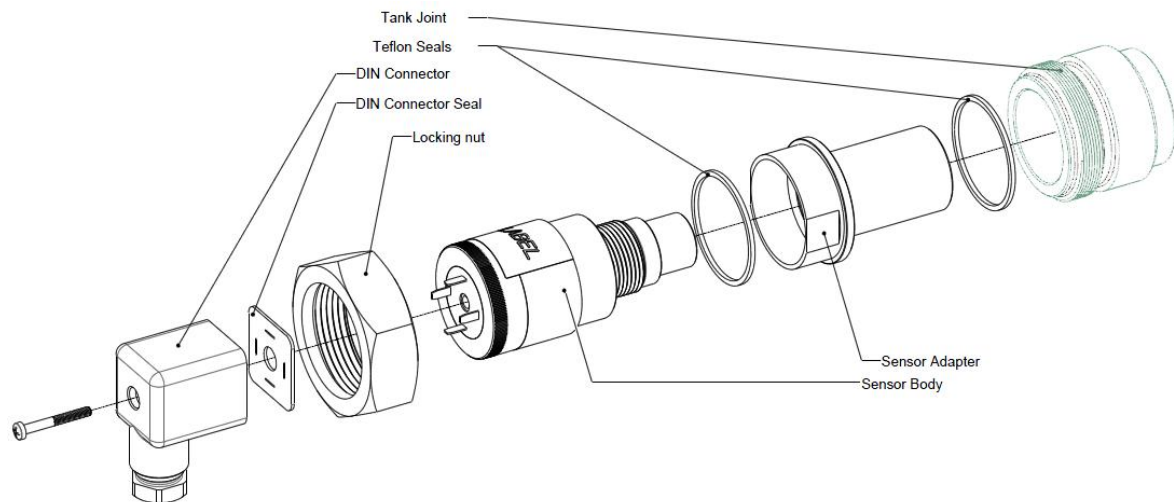
- 1: Power Supply (L/+)
- 2: Power Supply (N/-)
- 3: Output
- 4: Not used



## Installation notes

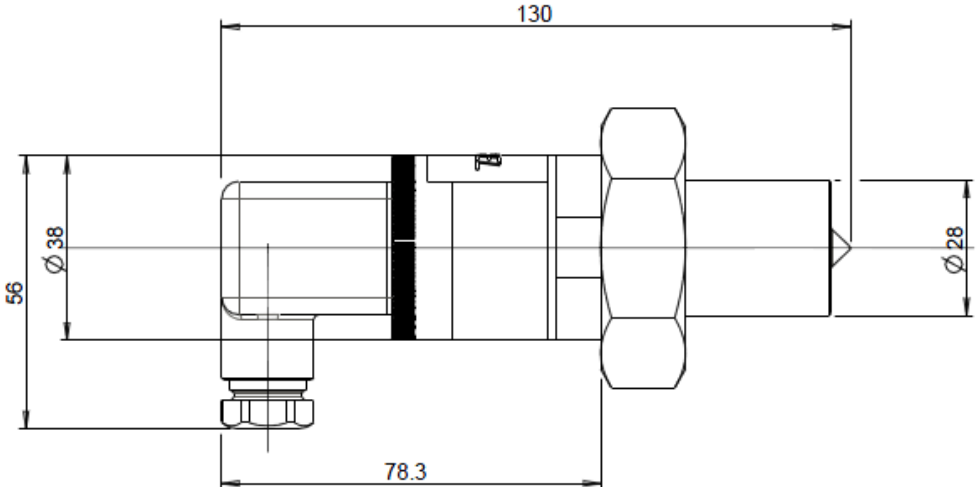
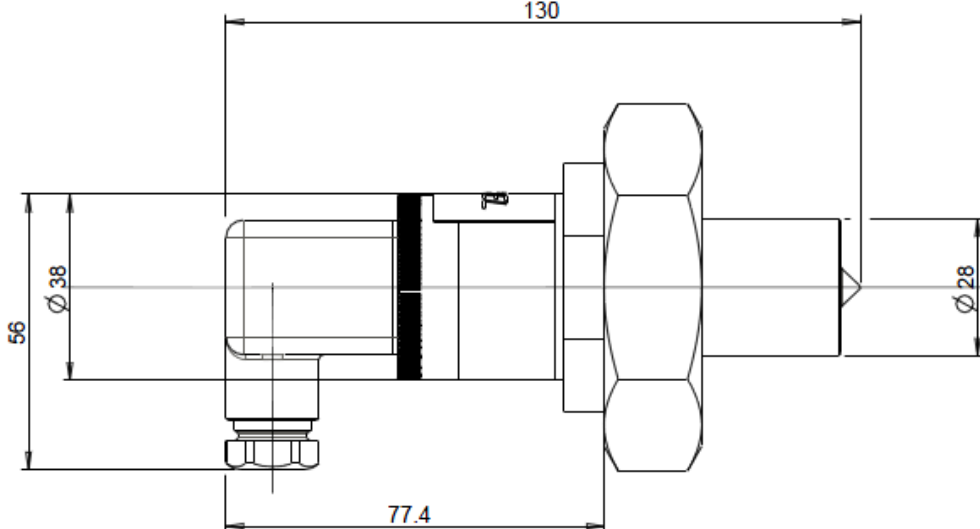
- Only qualified personnel should carry out installation
- Protect hands and face from contacting the oil, which may contain harmful acid.
- Depressurize the system before attempting any work
- Switch off power supply and isolate compressor
- If fitting to an existing installation, drain the compressor crankcase to just under the oil level sight glass.
- Mount the Sensor on the compressor (see below).
- The correct oil level in the compressor crankcase must be reached before restarting the system.
- Do not install sensor close to infrared sources.
- Dome of the sensor must be at least 2" (~ 50mm) from any reflective surfaces. Please contact Teklab for lower distances.
- Do not install the sensor in a stagnation point of the liquid.
- If possible let the sensor work in horizontal position.
- The mounting position corresponds to the desired switching point.
- The optical sensor tip must be free of insulating materials or other interferences.
- The sensor tip must be installed in a way that it is not in contact with any moving parts .
- During installation the sensor tip may not be touched with any device which could scratch or damage the glass dome in any way.
- It is recommended that for conical threads proper tapes should be applied to the threads itself on the switch body. The switch should then be threaded and sealed by using a correct wrench and under no circumstances by using any other device which may damage the housing .

## Installation instructions



- Ensure that both the glass surfaces of the Electronic Sensor and of the adapter are dry and clean.
- Mount the sensor adapter on the tank joint using proper sealing and the supplied nut.
- Apply the supplied Teflon seal to the sensor body then screw the Sensor Body into the sensor adapter keeping the label on top. Turn the internal part of the flying connector in order to have the cable exiting from the connector to fall down.
- Provide proper electrical connection to the sensor using the supplied connector seal and screw.

**Mechanical Dimensions**

<p><b>RLK02</b> <b>Rotalock 1" 3/4 - 12 UNF</b></p>	
<p><b>RLK02</b> <b>Rotalock 2" 1/4 - 12 UNF</b></p>	
<p>Quotes in mm</p>	

**Recommendations**

Teklab recommend the use of a 10 micron filter in the oil line to protect the sensor from contamination. While the device is totally maintenance free we recommend that the optical lens be cleaned during major servicing.

Teklab is not to be held responsible for erroneous literature regarding dimensions, applications, etc. reported in this document. Products, specifications and data in this literature are subject to modify without highlighting changes. The information given herein is based on technical data and tests which Teklab acquired during years of experience and believe to be reliable and which are in compliance with technical knowledge of today. It is intended only for use by persons having the appropriate technical knowledge and skills, at their own discretion and risk. Since conditions of use are outside of Teklab control we cannot assume any liability for results obtained or damages occurred due to improper application.

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