

Technical Description For the Oil-Water Control Device COMPOTRON



Preliminary remark: This device is used to control the level of separated oil as well as to signalize a superfluous overflow level.

Measure principle: In the Separator there is installed a 3-stick-probe, working in the conductivity-principle to detect the limit between oil and water. There are 2 measuring circuits for 2 different levels. In order to detect overflow there is installed an additional swimming switch. The measuring circle is Ex-proof.

Mounting instruction: The longest stick of the 3-stick-sound is on the maximum- oil-level, the shortest on the pre-warning level. The floating switch ball is to be mounted higher than the maximum water level in case of maximum flow rate. The tube is used as the common current wire. The device is designed for 230V AC, the test circuit operates with 8V, 20 microampere.

There is also a possibility to use 24 Volt AC or DC by request.

The 2 incoming clamp for the Power supply is named "24V".
The outgoing clamps are named 5,6,7 for pre-warning, 8,9,10 for maximum level and 11,12 ,13 for high-water-level.
5,8 and 11 is the incoming clamp, 6,9,12 are Alarm clamps,
7,10 and 13 are the stand by clamps.
There are 4 blue clamps (1,2,3,4) on the Print to connect the sound . There are numbers 1,2,3,4 on the sound -wire , so its very easy to connect.

The acoustic Alarm can be switched off, but the "Alarm" light will still be flashing, as long as the Alarm-switch is off.

Maintenance: Clean the sticks one time a year and test the Alarms by removing the 3-stick-sound out of the Water and lifting the ball.

Electrical Data: Supply Voltage: 24VDC
Measuring Circuit: Ex-proof, operates with 8V, 20 microampere.