LED Water level display

Function
The digital water level display is used for monitoring water levels in water hammer vessels. The level is indicated in cm water column. A 9 V battery or an interface cable (8 to 28 VDC) is used for power supply.

Mounting and commissioning
Commissioning and programming are normally carried out on site by ORELL. The water level setpoint and limit values for alarm triggering are visibly indicated on a label.

Battery mode
The water level between 0 and 999 cm water column is displayed by briefly pressing the main switch. The display will be deleted automatically after approximately 10 s.

Interface cable mode
The interface cable connects the display unit to the control unit electric supply. The internal battery is removed and the display will light up permanently. Additionally, two limit switches can be programmed alarm triggering in case of under- or overshooting of the limit values.

A time delay of 0 to 255 s can also be set to avoid alarm triggering at brief limit violations. At a brief under- respectively overshooting, diode 1 or diode 2 respectively will start flashing until the end of the time delay and before lighting up continuously.

Maintenance
When using the interface cable (external power supply), no maintenance is required. The battery mode requires the 9 V battery replacement as soon as the display goes off. To replace the battery, loosen the four fastening screws of the display unit cover. Replace the cover and fasten the screws.

Error messages
Batt Low = replace the battery
Uoid = vessel empty
Full = vessel full
Err = transmitter defect