

### Level Regulator KR 1 Change-Over



Operating Instructions

The KR 1 level regulator is a two-point regulator, specially designed for use in wastewater treatment plants and in pump stations which handle liquids polluted with solids. Thanks to its good chemical properties, it is resistant to a wide range of liquids.

#### Nominal Values:

max. Operating temp.	80° C
Power	10(8)A/250V
Contacts	Change-over
Switching angle	45°
Protection type:	IP68 / 2 bar
Protection class	II
Housing	Polypropylene (PP)
Height/diameter	40 mm / 100 mm
Cable	TPR 4G1,0mm <sup>2</sup>

#### Resistance List:

Raw sewage, faecal discharges, slurry, household sewage, discharge water from washing machines, baths and showers, detergents, emulsions containing petrol, diesel oils, fats, oil, acids etc.  
rain water, groundwater, chlorinated water, saltwater brine, vegetable oils, fruit acids, alcohol

#### EC Declaration of Conformity

in accordance with

EC Low-Voltage Directive 2006 /95 / EG

EC Environmental Protection Directive RoHS 2002 / 95 / EG

We,

**NOLTA GmbH, 35091 Coelbe,**

hereby declare that the products manufactured by us comply with the current fundamental requirements with regard to safety and environmental protection as outlined in the EC directives with regard to their design and construction and this also applies to the version brought to the market by us. This declaration becomes null and void if alterations are made to the level regulator without being agreed with us beforehand.

Applicable harmonised standards:

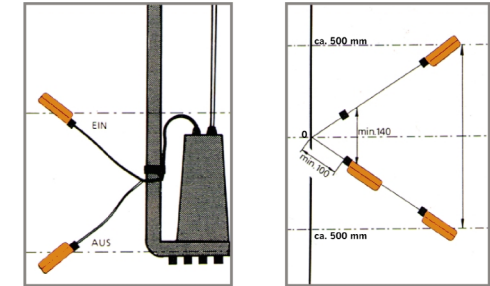
- DIN EN 60730-1 (VDE 0631-1)
- DIN EN 60730-2-15 (VDE 0631-2-15)
- DIN IEC 60730-1 (VDE 0631-1)

Coelbe, 28/10/2013

Dr.-Ing. Jochen Knake  
Managing Director

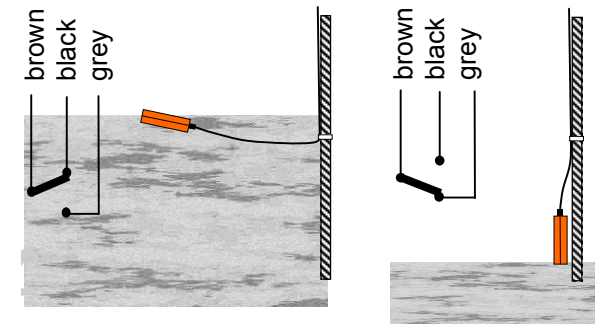
Wolfgang Seip  
Quality Management

#### Assembly:



#### Electrical Connection:

Before connecting to electricity, rectifying faults or carrying out maintenance work, the electrical system must be disconnected from the power supply. Ensure that neither water nor moisture can enter via the cable ends.



**To fill: connect brown – grey**

**To empty: connect brown – black**

The unused wire must be insulated.

**Ground/PE: yellow / green**

#### Maintenance:

If the float switch is installed and assembled correctly, it should work practically maintenance-free for many years. Depending on the level of contamination in the medium, the system only needs to be checked from time to time and the float switch cleaned if necessary.