

# ABS conductive level switch KV

The KV is a conductive level switch, primarily used as overflow switch in sewage pumping pits.

The KV can also be used in other applications where the conductivity of the media is between 25 and 750  $\mu\text{S}/\text{cm}$ .

The unit is factory set to 100  $\mu\text{S}/\text{cm}$  at delivery.

The KV has both NPN and PNP transistor output and is connected via a 5 m, 4 wire cable.

The sensing part is made as an airdome with 2 stainless steel rods.

The air dome in combination with the material in the air dome (PTFE) reduces the risk for clogging of the sensor.

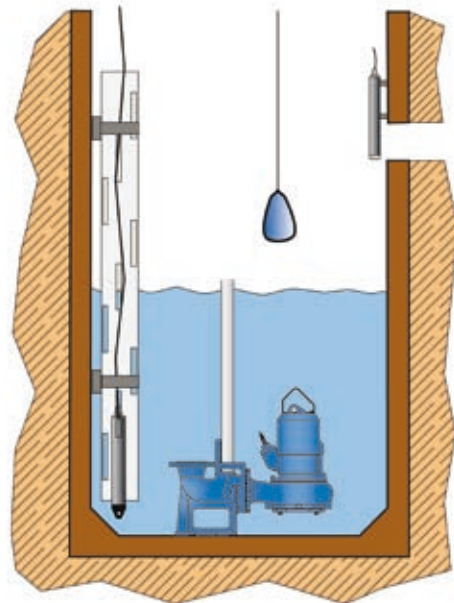
Via a potentiometer and a LED the sensitivity can be changed within the range from 25 to 750  $\mu\text{S}/\text{cm}$ .

## Features:

- Sensitivity 25  $\mu\text{S}$ -750  $\mu\text{S}$
- Transistor output, combined NPN and PNP
- Easy to mount
- Submersible, IP 68
- Large temperature range, -20 °C to +60 °C
- Handles wastewater

## Technical specifications

Description	
Material:	
Cable	PVC
Body	PVC
Dome	PTFE
Sensor rods	Stainless steel
Dimensions:	
Length	500 mm
Diameter	$\varnothing$ 32 mm
Power supply	9-30 VDC
Temperature range	-20 °C to +60 °C
Sensitivity	25 $\mu\text{S}$ to 750 $\mu\text{S}$
Consumption	max 30 mA
Output current PNP/NPN	max 0,2 A
Cable	5 m, 4 x 0,5 mm <sup>2</sup>



## Connections

Signal	Cable
Supply+	White
Supply-	Brown
NPN	Green
PNP	Yellow