

EUROWATER salt level sensor

The sensor is designed to measure the salt level inside a brine tank. The sensor use ultrasonic technology to detect the salt level and by connecting it to a PLC an external alarm signal is provided when the minimum salt level is reached.

The sensor must be mounted in the top of the brine tank and look down onto the salt.

Technical data

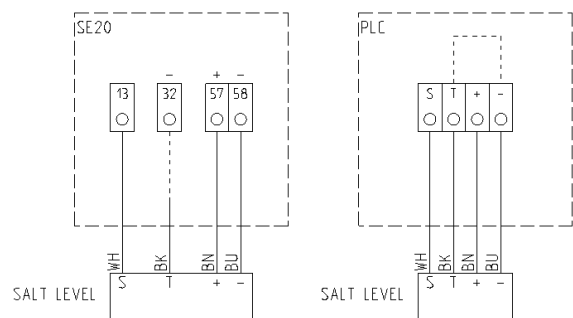
Measuring range	3-81 cm
Measuring accuracy	± 1 mm
Power supply	24 VDC
Power consumption	Max. 150 mA incl. load
Output signal	24 VDC
Cable	2 metres
Protection class	IP 67
Material	Brass
Diameter	M18S
Length	52 mm
Weight	95 g

Wiring

Supply + 24VDC	brown
Supply NVDC	blue
Teach	black
Signal NC	white

Setting detection level (teach function)

1. Connect the brown wire and blue wire to a DC power supply.
2. Connect the white wire to PLC input.
3. Make sure that power is connected to the PLC.
4. Fill the brine tank with salt to the desired minimum level (recommended 40 cm).
5. Connect the black wire to NVDC (blue) for at least one second until the LED on top of the sensor blink once. Now the sensor knows the distance between the sensor and the minimum salt level.
6. Isolated black wire.
7. Fill-up the brine tank with salt.



Subject to changes in design