

Culligan®

Salt Monitor for Water Softeners



SM22 Salt Monitor

The SM22 Salt Monitor has been designed to give a visual indication of low salt levels using two flashing high brilliance LED's. It can also produce an alarm signal for remote monitoring by Alarm Annunciators and BMS Systems. Salt levels are monitored using a sinker technique, where a specially designed, machined disc will sink when salt drops below a preset level.

Features:

- Alarms on low salt level
- Dual alarm indication
- Proven technology
- Easily maintained

Option:

A remote salt alarm for location away from the equipment or outside the plant room is available.

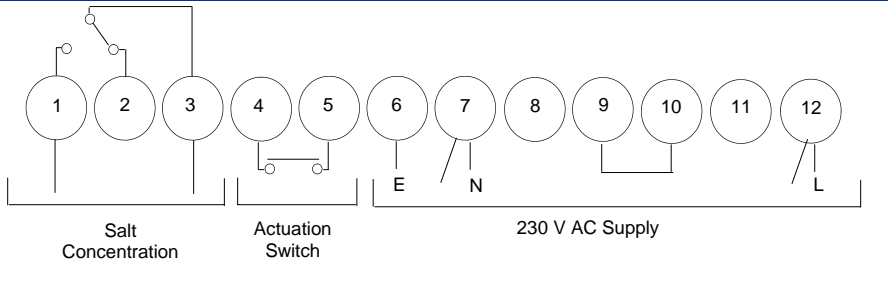


Application	Salt Tanks
Operating Temperature	-4 to 40°C
Pressure	Atmospheric
Weight – Monitor	400g
Weight – Flotation Assembly	350g
Power Supply	110/230V. 50/60Hz. 5VA
Alarm Signal	Volt free changeover contact (1A. 240Vac)
Dimensions – Monitor	94 x 94 x 70mm
Dimensions – Monitor Fixings	79 x 79mm
Dimensions – Flotation Assembly	94 x 65 x 60mm
Dimensions – Flotation Assembly Fixings	79 x 50mm (mounted on Salt Tank Lid)

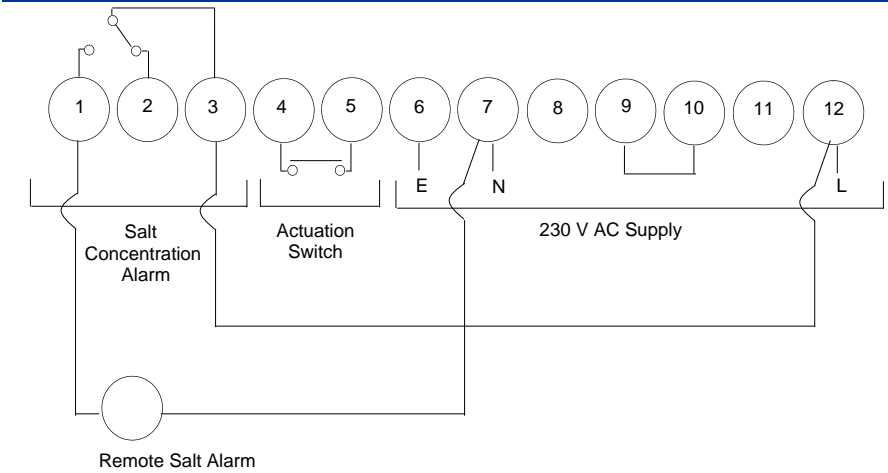
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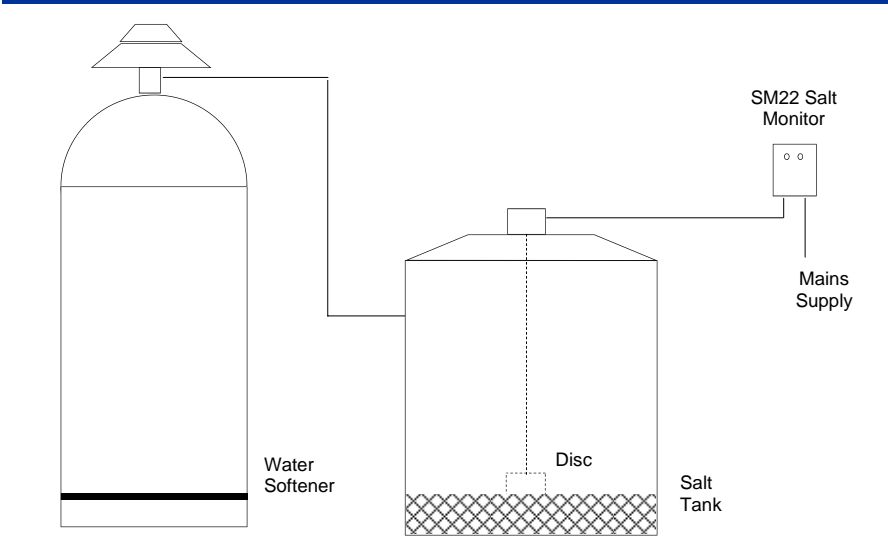
Terminal Layout (230v Operation)



Terminal Layout—Remote Salt Alarm(230v Operation)



Installation Diagram



Installation Notes

Sinker Assembly (with cord): The sinker assembly enclosure is mounted on the top of the softener salt tank lid. Remove the enclosure cover to reveal four corner fixing holes. The enclosure should be fitted using M5 screws (or similar). A large 15mm diameter hole should be cut allowing the sinker cord and guiding grommet to protrude into the tank. When fitted the cord should be fed through the disc and the cord length should be adjusted so that, when fully extended the disc is approximately 330mm from the bottom of the tank. A knot should now be tied in the cord to hold the disc in place.

SM22 Salt Monitor: The salt monitor enclosure is mounted adjacent to the softener salt tank in a prominent position. Remove the enclosure cover to reveal four corner fixing holes. The enclosure should be fitted making sure sufficient cable exists to remove the salt tank lid and place it on the floor without straining interconnecting cables (3.5 m of cable supplied). The mains supply should be connected as shown below.

SM22 Salt Monitor BMS Monitoring: The salt monitor has a volt free contact which can be used remotely for BMS. A further optional remote salt alarm is available for installation away from the equipment.

Commissioning / Testing: If the cord is pulled to indicate low salt level, both salt monitor lamps will flash and volt free contacts will changeover for the remote alarm. Once the above has been carried out the disc should be cleaned and allowed to rest on the salt. If the salt level drops at any time the disc will fall and the alarm will become operational.

Quality Systems certified according to UNI ISO:9001

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In the interest of product development we reserve the right to alter specifications without prior notice. All photographs are to be used as guide only.
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