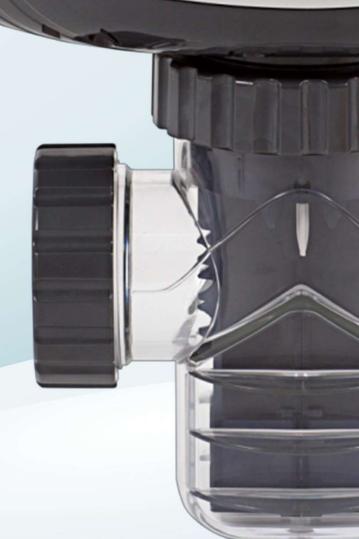




TROUBLESHOOTING GUIDE





Designed with the pool owner in mind

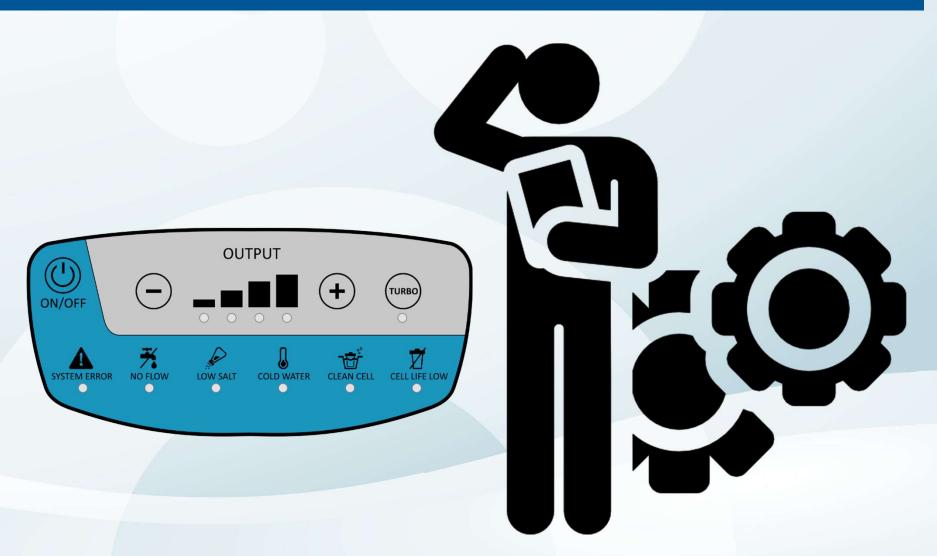
resi(lence.

- One pipe to cut and glue
- Unique sliding slots for quick cartridge removal (no need to remove the entire device from the line)
- Built in service and maintenance alerts.
 Easy to know when to clean/replace the cartridge





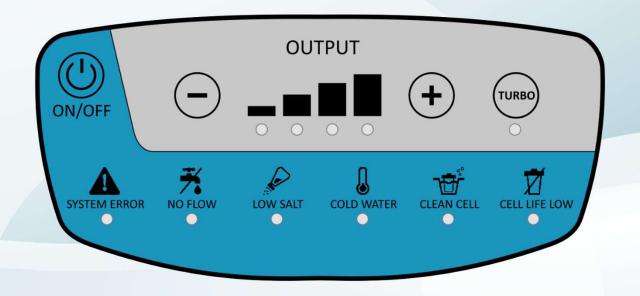
TROUBLESHOOTING





Before Troubleshooting

- 1. Check that the salinity in the pool water is above 2400 PPM.
- 2. Check for scale buildup on the cartridge and clean it if necessary.
- 3. Disconnect the plug, Dismantle the power box, connect the plug and check that all the LED is on for 1 sec. and then the system error LED is blinking.
- 4. Assemble and turn on the system check if the problem solved.





NO FLOW





LED "no flow" Turns On When:

Flow switch paddle is centered And / OR

There are air bubbles in the salinity sensor





| Possible Causes | What to do |
|---|---|
| Air bubbles form in the salinity sensor | This may happen if there is air in the pipe lines or for a few minutes at initial startup. Wait until air bubble disappear |
| | Clean filters and strainers |
| | Check for closed valves, pump cavitation, faulty pump etc' |
| | In case you have a variable frequency pump installed, increase the flow until the LED is turned off |
| | Slightly tilt the cell sideways to remove air bubble |
| Paddle is stuck at the center | Dismantle cartridge from cell body and remove scale build up. Refer to relevant chapter in manual or appropriate YouTube videos |
| Low salinity | Check pool salinity with a stick, if needed add salt according to the salinity table in the installation manual |
| Other | If none of the above resolves the problem replace cartridge |



LOW SALT





LED LOW SALT Turns On when:

Measured water salinity levels are below 2400 ppm

| Possible Causes | What to do |
|-------------------------------------|--|
| Not enough salt in pool water | Manually check the salinity of the pool water with a stick. If needed, add salt according to the salinity table in the installation manual |
| Scale build-up inside the cartridge | Visually inspect the cartridge for lime-scale. Clean blades if necessary refer to relevant chapter in manual or appropriate YouTube video |
| Air bubbles in the salinity sensor | See NO FLOW slide |
| Other | If none of the above resolves the problem replace cartridge |



COLD WATER





LED Turns On when:

Measured Water temperature is below 68 °F – When below 68 °F/ 20 °c - max. chlorine output level – 50% When below 59 °F/ 15 °c - max. chlorine output level – 25%

| Possible Causes | What to do |
|---------------------------|--|
| | Manually check the water temperature. If water temp. is below 68°F system is OK. If water temp. is higher than 68°F then temp. sensor had failed |
| Temperature sensor failed | Replace cartridge. Refer to relevant Youtube video |



CLEAN CELL





LED Turns On when:

Chlorine output level doesn't reach the set point and the following parameters are OK:

- Salinity levels above 2400 ppm
- Water temperature above 68 °F

| Possible Causes | What to do |
|-------------------------------------|---|
| Scale build-up inside the cartridge | Clean cartridge, refer to relevant chapter in manual or appropriate YouTube video |
| Low salinity | Increase salinity levels to 3500-4000 ppm |
| Worn cartridge | If none of the above resolves the problem replace the cartridge with a new one. Refer to relevant YouTube video |



CELL LIFE LOW





LED Turns On when:

Cell operating hours above 8000, Chlorine output level doesn't reach the set point and the following parameters exist:

- Salinity levels above 2400 ppm
- Temperature water above 68 °F

| Possible Causes | What to do |
|-------------------------------------|--|
| Scale build-up inside the cartridge | Clean cartridge, refer to relevant chapter in manual or appropriate YouTube video |
| Low salinity | Increase the salinity levels to 3500-4000 ppm |
| Blades are worn | If none of the above resolves the problem replace the cartridge with a new one (check warranty). Refer to relevant YouTube video |



SYSTEM ERROR (blinking) LED





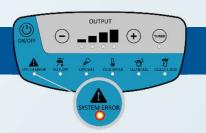
LED is Blinking when:

No communication is detected between the cartridge and control box

| Possible Causes | What to do |
|---|--|
| Incorrect assemble of the power box | Assemble correct refer to relevant chapter in "clean cartridge" YouTube video |
| Debris is stuck in the electrical connection of the cartridge | Clean cartridge, refer to relevant chapter in manual or appropriate YouTube video |
| Communication problem between the cartridge and control box | Replace the cartridge, if problem is not resolved replace the control box |



SYSTEM ERROR (constant) LED





Turns on when:

The control box can't deliver power (current) to the cartridge.

| Possible Causes | What to do |
|---|---|
| Salinity High, too much salt has been added | Test salt levels in pool water, if high, it is recommended to drain part of the pool water and refill with fresh water |
| Low salt levels | Manually check the salinity of pool water with a stick. If needed, add salt according to the salinity table in the manual |
| Debris in electrical connector of the cartridge | Disconnect the control box from cartridge and visually inspect the electrical connector. In case debris has settled there, gently remove it and re-attach |
| Worn cell/scale build up | Visually inspect the cartridge to see if blades are dirty or damaged. If dirty, clean cartridge. Refer to relevant chapter in manual or appropriate YouTube video |
| A more profound error occurred | Dismantle the power box and turn on if the System Error LED is not blinking replace the power box. If it is blinking - Replace the cartridge, if the problem isn't resolved - replace the control box . Refer to relevant YouTube videos |



No Display (power supply does not turn on)

| Possible Causes | What to do |
|-------------------------------|---|
| System is turned off | Turn the system on |
| Power supply is disconnected | Connect the plug into socket |
| Circulation pump is off | Unit should be wired in such a way that it operates only when the circulation pump is on, verify that pump is in fact operating |
| Other malfunction in the unit | Replace control box |



Chlorine Output levels does not reach 100%



| Possible Causes | What to do | Display (LED) |
|---|--|---------------|
| Output level set too low | Press the "+" button to set the output level to a higher setting | |
| Low pool water temperature | In case Cold Water LED is on refer to slide 9 | COLD WATER |
| Not enough salt due to heavy rain, initial miscalculations etc. | In case Low Salt LED is on, refer to the Low Salt warning - slide 8 | LOW SALT |
| Overheating protection | In extreme conditions, when the unit identifies overheating it will automatically reduce chlorine production to protect itself | |
| Scale build-up inside cartridge | Clean cartridge, refer to relevant chapter in manual or appropriate Youtube video | CLEAN CELL |
| Worn cartridge | If none of the above resolves the problem the cartridge may be worn and requires replacing | |



LEAKING

| Possible Causes | What to do |
|----------------------|--------------------|
| | Tight the nut |
| Side/Top nut leaking | Replace the O-ring |

TOP NUT CRACKED/BROKEN

| Possible Causes | What to do |
|----------------------------------|--|
| Production problem – Old version | Replace control box and the O-ring to the latest version |



Thank you!