

*Link Automation*<sup>TM</sup>

Water Products

*PoolLink*<sup>®</sup>

**Chemical Treatment  
Control Systems**

**User Manual**

## IMPORTANT SAFETY INSTRUCTIONS

### **WARNING: READ AND FOLLOW ALL INSTRUCTIONS**

**WARNING:** To reduce the risk of injury, do not permit children to use this product.

**DANGER:** Risk of Electrical Shock. Connect Only to Grounded Type Receptacle Protected

by a Ground-Fault Circuit Interrupter (GFCI). Follow all local codes as well as the National

Electrical Code for installation of the controller and all other equipment.

**DANGER:** Risk of Injury.

- a) Replace damaged cord immediately.
- b) Do not bury cord.

### INSTALLATION NOTES

**CAUTION:** Risk of Excessive Chemical Dosing. Use only appropriately sized chemical tanks suitable for use with the size of your pool as recommended by your chemical distributor. The controller is specifically designed to be in a non-dosing state should failure occur. Although unlikely, electrical or other disturbances of the controller could cause chemical dosing to be locked on. Such an event could cause the chemical tanks to be emptied into the pool. Therefore, the tanks should be sized such that in the event of this occurrence the pool water will not become hazardous to those utilizing the pool.

**CAUTION:** Risk of Excessive or Inappropriate Chemical Dosing. The Controller must be electrically connected in such a manner that if main circulation pump is de-energized or if there is a loss of flow at the system or at the probes the controller will not dose chemicals. This will eliminate injection of chemical when no pool water is circulating.

**NOTE:** A proper earth ground is required for proper operation. Improper grounding may adversely effect the operation of the controller. Use of a 3rd wire for ground is strongly recommended.

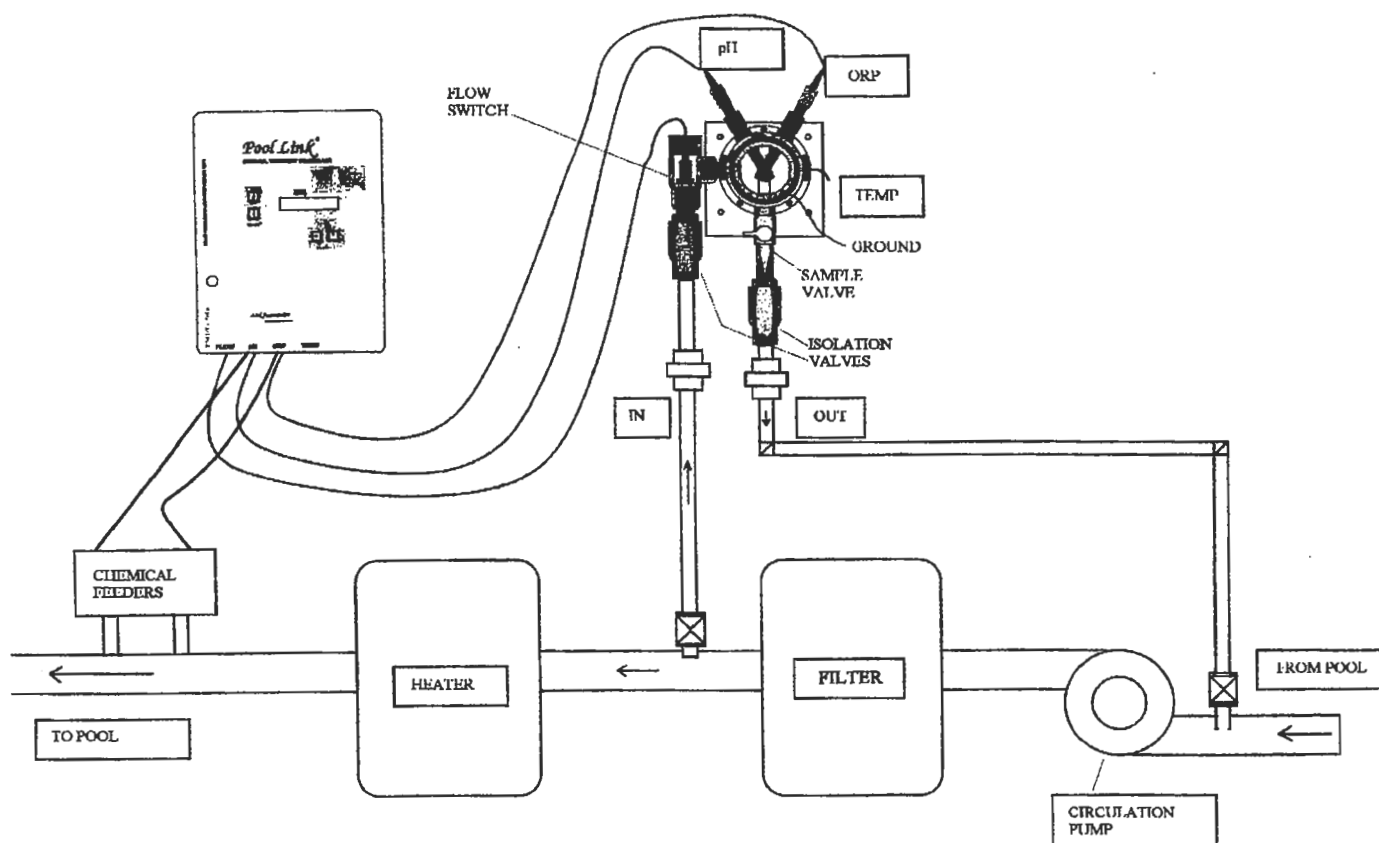
**NOTE:** Make sure the pH sensor is connected to the pH socket and the ORP sensor is connected to the ORP socket. Both the sockets and the sensors supplied with the Controller are labeled.

**NOTE:** Make sure sensors are clean and visibly undamaged. When using the sensors for the first time or after storage immerse them in a pH 7 buffer solution for thirty to sixty minutes to hydrate the bulb and wet the reference junction for optimum performance. You can check for proper sensor operation by following the offset calibration procedures in Section 6.

**NOTE:** When installing the system it may take time for the sensors to settle down and produce accurate readings. The pH sensor usually settles down within 10 to 15 minutes. The ORP sensor may take longer to settle, occasionally as long as several hours. After first installing sensors we recommend the pH and ORP or Chlorine reading be monitored closely to observe how they track the manual pH and DPD tests. It is required that sample water flowing at the probes be filtered, without turbulence or cavitation, and taken upstream from heater.

**SAVE THESE INSTRUCTIONS**

## PoolLink CHEMICAL CONTROL SYSTEM



Above is a recommended basic system installation. System setups may vary depending on existing equipment and plumbing.

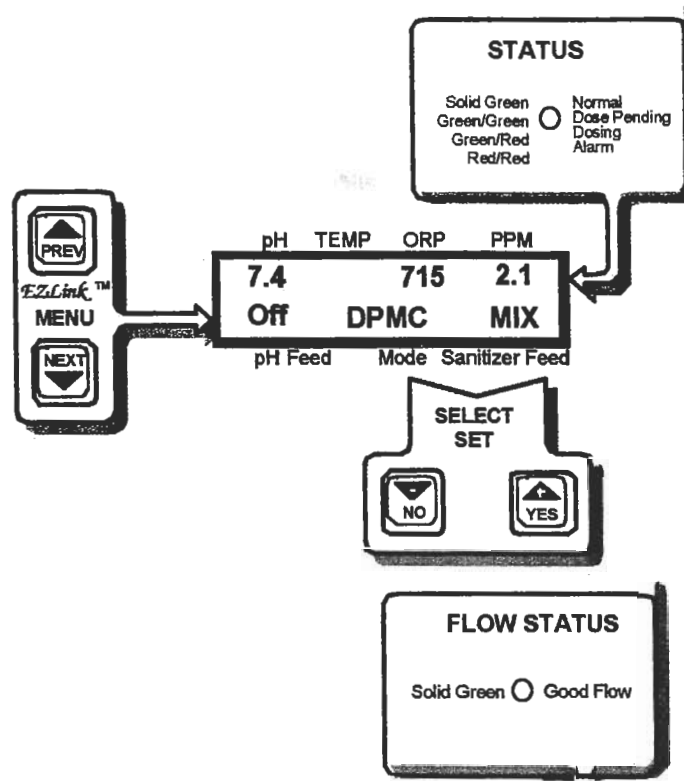
In general pool water is sampled through a bypass line. The filtered water passes through a flow switch into a probe chamber and back to the suction side of the pump. The flow switch monitors the water flow in the line and shuts down the chemical feeders if there is no water flow.

The probe chamber gives a non turbulent reservoir for the sensing probes to monitor the pH and the ORP of the pool water. ORP (oxidation reduction potential - measured in millivolts) is the killing form of chlorine or sanitizer. The probe chamber has a sampling valve to test the water with a color test and isolation valves to throttle or shut off the flow in the bypass line to allow cleaning or replacement of the sensing probes.

The sensing probes send signals to the controller where the readings are displayed. The controller will turn on the chemical feeders as needed in order to meet an ideal setting programmed into the controller.

The controller displays the pH, Temperature (if available), ORP and ppm (parts per million) of the pool water. The ppm is calculated from the pH and ORP. The controller can monitor and control the ORP or ppm of the sanitizer. Temperature is only monitored and not controlled.

## PL 1000 Series Control Panel Display and Keypad



The Display is divided into 2 Parts: the TOP LINE and the BOTTOM LINE:

\*The TOP LINE displays the current values and status:

**PH TEMP ORP PPM DATE Error / Alarm Messages**

The BOTTOM LINE displays current action of the controller:

**PH Feeder Status Operating Mode Sanitizer Feeder Status**

The Status light indicates what the controller is doing:

**Conditions Normal Waiting to Dose Dosing Chemical Alarm Condition**

The Flow Status light indicates flow if a flow switch or flow sensor is present on the probe bypass line

**Solid Green is good flow**

The PREV and NEXT keys are used to enter the menu system and to scroll through menu items.

**Pressing PREV key enters EZ MENU Pressing NEXT enters USER MENU**

The NO and YES keys are used to answer questions, raise or lower values and toggle settings.

**Pressing NO lowers value Pressing YES raises value or answers yes to a question**

**To answer NO to a question press NEXT**

\*Some Display Items are not available on some Models

## OFFSET OR CALIBRATION

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

### EZ Link Menu System Sequence

**Chlorine ppm offset: (Pool Between 1.5 – 3.0)**

Button: **PREV**

Display: ....EZ Menu.....

Display: **Cl adjust 2.x**

Button: - **NO** or **+YES** to change #value to match color test (1.5-3.0)

Button: **PREV**

Display: **Calibrating...**

**PH Offset:**

Button: **PREV**

Display: ....EZ Menu.....

Display: **Cl adjust 2.x**

Button: **PREV**

Display: **pH adjust 7.x**

Button: - **NO** or **+YES** to change #value to match color test(7.2-7.8)

Button: **PREV**

Display: **Calibrating...**

**ORP Offset: DO NOT OFFSET ORP (ORP Control)**

**Manually** adjust pool to **correct ppm** on **test kit** . Read ORP mv on controller (700-800). This is your **Ideal ORP**. Adjust your ppm by changing Ideal setting. Raising ORP ideal number will raise ppm.

**If You Need To  
Calibrate pH:  
Offset pH  
Before  
Offsetting  
PPM**

**Calibrate PPM  
Near Ideal  
Level For  
Optimum  
Control**

**PH IDEAL – SPAN INSTRUCTIONS (PWM MODE)**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

**USER Menu System Sequence**

Button: **NEXT**

Display: ....Entering Menu.....

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **Enter pH MENU ?**

Button: **YES**

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **pH Ideal 7.x Press YES or NO change your Ideal Point**

Button: **NEXT**

Display: **pH Span 0.5**

Button: **- NO or +YES to change #value to change dosage amount**

Button: **NEXT**

Display: **Add to pH 0.xx Do not change this number**

Button: **NEXT**

Display: **Exit - Press Yes**

Button: **YES**

Display: **Enter PH Menu ?**

**To Exit Menu System Press and Hold NEXT then Press PREV and Release Both Buttons together.**

**If You Need To Change SPAN Value**

**Refer to the Chart on a following Page**

**Span Value is the amount of parts away from Ideal that allows pump to run 100% of the cycle time.**

**Span of .5 means that pump will be on 100% of the cycle (1 Minute) if you are .5 parts away from Ideal.**

**Therefore if you are .1 parts away, pump is on 20% of Cycle (12 Seconds) The remainder of the cycle is idle or mix time.**

**CL IDEAL – SPAN INSTRUCTIONS (PWM MODE)**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

**USER Menu System Sequence**

Button: **NEXT**

Display: ....Entering Menu.....

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **Enter pH MENU ?**

Button: **NEXT**

Display: **Enter CL Menu ?**

Button: **YES**

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **CL Ideal 2.x Press NO or YES to change Your Ideal point**

Button: **NEXT**

Display: **CL Span 0.5**

Button: **- NO or +YES to change #value to change dosage amount**

Button: **NEXT**

Display: **Add to CL 0.xx Do not change this number**

Button: **NEXT**

Display: **Add to ORP This Number Should Stay at 0.0**

Button: **NEXT**

Display: **Exit - Press Yes**

Button: **YES**

Display: **Enter CL Menu ?**

**To Exit Menu System Press and Hold NEXT then Press PREV and Release Both Buttons together.**

**If You Need To Change SPAN Value Refer to the Chart on a following Page**

**Span Value is the amount of parts away from Ideal that allows pump to run 100% of the cycle time.**

**Span of .5 means that pump will be on 100% of the cycle (1 Minute) if you are .5 parts away from Ideal.**

**Therefore if you are .1 parts away, pump is on 20% of Cycle (12 Seconds) The remainder of the cycle is idle or mix time.**

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**PH IDEAL - DOSE – MIX TIME INSTRUCTIONS (DPMC MODE)**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

**USER Menu System Sequence**

Button: **NEXT**

Display: ....Entering Menu.....

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **Enter pH Menu ?**

Button: **+YES**

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **pH Ideal 7.x Press YES or NO change your Ideal Point**

Button: **NEXT**

Display: **pH Dose x:xx Press YES or NO to change your Dose**

Button: **NEXT**

Display: **pH Mix x:xx Press YES or No to change your Mix Time**

Button: **NEXT**

Display: **Add to pH 0.00 Do Not change this number**

Button: **NEXT**

Display: **Exit – Press Yes**

Button: **YES**

**To EXIT USER MENU --- Press and Hold NEXT Press PREV and Release Both Buttons**

**If You Need To Change Dose and / or Mix Times Refer to Chart & Graph for Estimated dose times**

**Dose and Mix Times are dependent on Chemical pump sizes, pool size & circulation rates.**

**MFG Default is 1 minute dose and 20 minute mix time**



**CL IDEAL - DOSE – MIX TIME INSTRUCTIONS (DPMC MODE)**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

**USER Menu System Sequence**

Button: **NEXT**

Display: ....Entering Menu.....

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **Enter pH Menu ?**

Button: **NEXT**

Display: **Enter CL Menu ?**

Button: **YES**

Display: **Exit – Press Yes**

Button: **NEXT**

Display: **CL Ideal 2.x Press YES or NO change your Ideal Point**

Button: **NEXT**

Display: **CL Dose x:xx Press YES or NO to change your Dose**

Button: **NEXT**

Display: **CL Mix x:xx Press YES or No to change your Mix Time**

Button: **NEXT**

Display: **Add to CL 0.00 Do Not change this number**

Button: **NEXT**

Display: **Add to ORP 0.0 This Number stays at 0.0**

Button: **NEXT**

Display: **Exit – Press Yes**

Button: **YES**

**To EXIT USER MENU --- Press and Hold NEXT Press PREV and Release Both Buttons**

**If You Need To Change Dose and / or Mix Times Refer to Chart & Graph for Estimated dose times**

**Dose and Mix Times are dependent on Chemical pump sizes, pool size & circulation rates.**

**MFG Default is 1 minute dose and 20 minute mix time (50gpd feed pump and 40K gal. indoor pool -raises pool .1ppm)**

## **PWM (Proportional) Control Mode Trouble Shooting Guide**

		HEAVY LOAD	LIGHT LOAD
<b>OVERDOSE</b>	Pump Rate	decrease (2nd choice)	decrease (2nd choice)
	<b>Span</b>	<b>increase</b> <b>(1st choice)</b>	increase (1st choice)
	Cycle Time	increase (3rd choice)	increase (3rd choice)
<b>UNDERDOSE</b>	Pump Rate	increase (2nd choice)	increase (2nd choice)
	<b>Span</b>	decrease (1st choice)	<b>decrease</b> <b>(1st choice)</b>
	Cycle Time	decrease (3rd choice)	decrease (3rd choice)

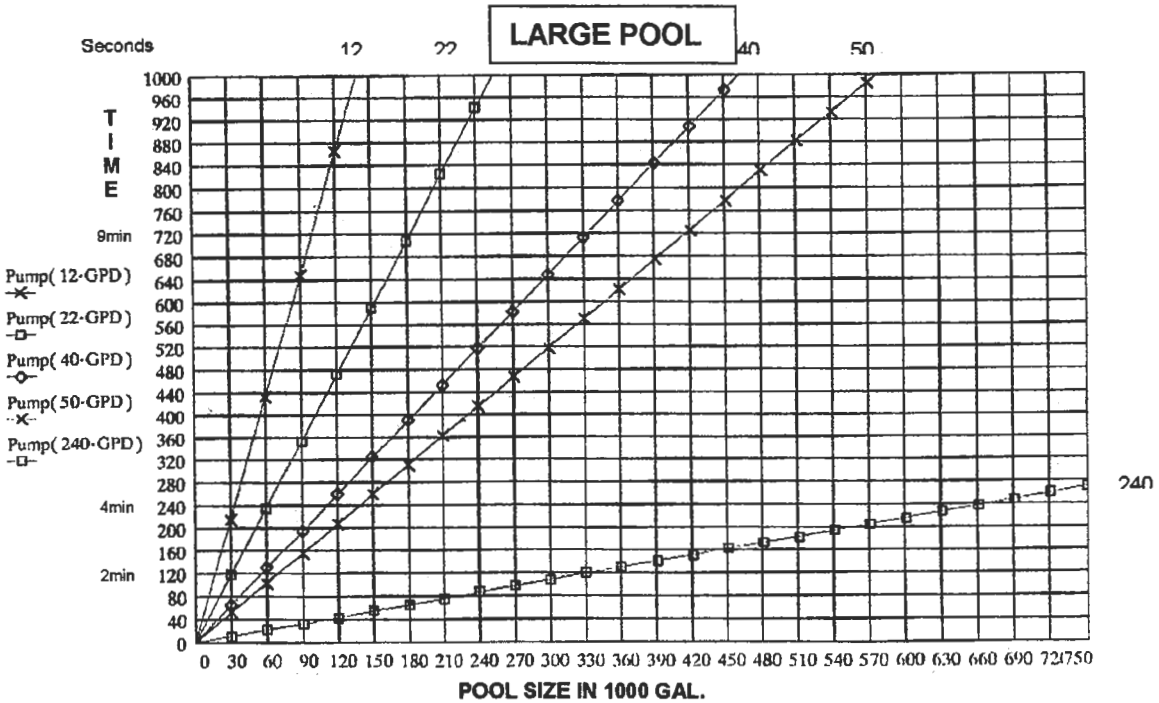
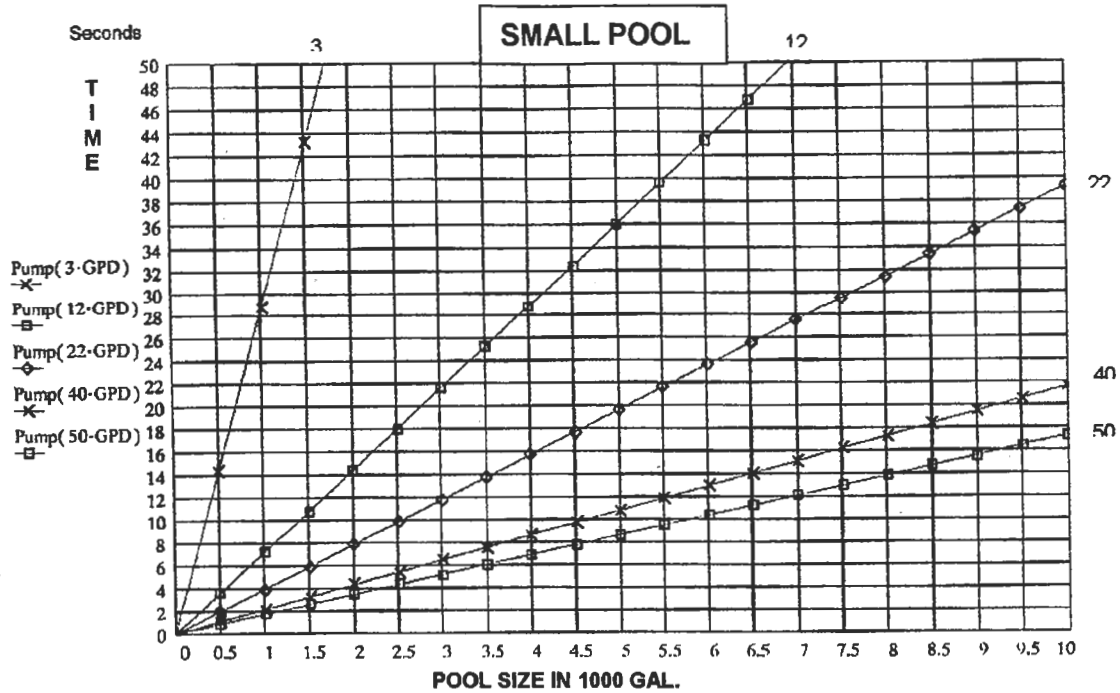
Manufacturing default is a SPAN of .5. (With a .1ppm difference dosing is 12 seconds on & 48 Seconds off before redosing. A .5 difference dosing is on for 100%.)

## **DPMC Control Mode Troubleshooting Guide**

		HEAVY LOAD	LIGHT LOAD
<b>OVERDOSE</b>	Pump Rate	decrease or use PWM (3rd choice)	decrease or use PWM (3rd choice)
	<b>Mix Time</b>	increase (2nd choice)	<b>increase</b> <b>1st choice</b>
	<b>Dose Time</b>	<b>decrease</b> <b>(1st choice)</b>	decrease (2nd choice)
	PD Rate	decrease (4th choice)	decrease (4th choice)
	PD Max	decrease (5th choice)	decrease (5th choice)
<b>UNDERDOSE</b>	Pump Rate	increase or use PWM (3rd choice)	Increase or use PWM (3rd choice)
	<b>Mix Time</b>	decrease (2nd choice)	<b>decrease</b> <b>(1st choice)</b>
	<b>Dose Time</b>	<b>increase</b> <b>(1st choice)</b>	increase (2nd choice)
	PD Rate	increase (4th choice)	increase (4th choice)
	PD Max	increase (5th choice)	increase (5th choice)

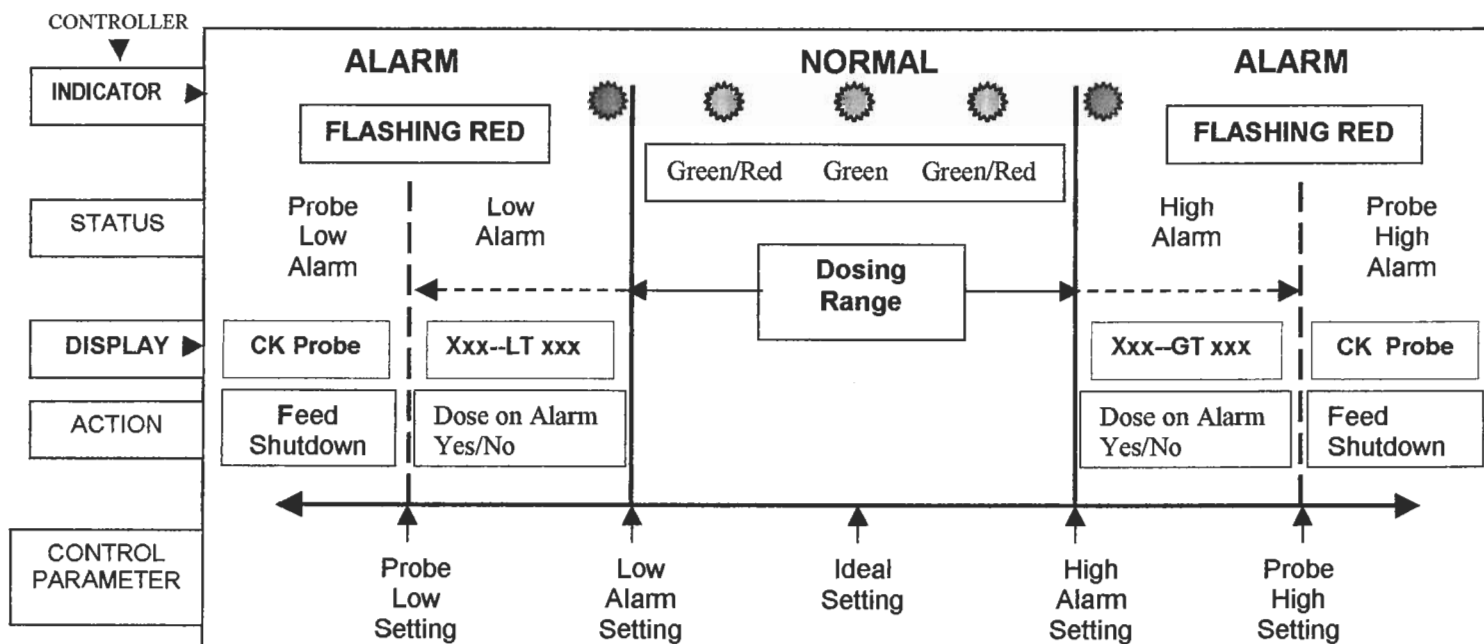
Manufacturing default is 1 Minute DOSE, 20 minute MIX time, (based on 50 gpd Chemical Pump and a 40K gal. Indoor pool). Use 10 to 20 Second increments for changing Dose times.

# PoolLink DPMC Basic Dose Times For Startup



LMI: A151—24GPD, A161—48GPD, B121—60GPD, B131—108GPD, C131—192GPD  
 STENNER: 45M5—50GPD, 85M5—85GPD  
 ROLOCHEM: RC252—1.2GPD, RC2553—9.6GPD, RC103—40 GPD, RC503—80GPD  
 PPG: 3008—3GPD, 3012—10GPD, 3075—50GPD, 3150—168GPD, 3500—336GPD  
 GPD RATING IS A **MAXIMUM** ON VARIABLE RATE FEEDERS.(NO FRICTIONAL HEAD LOSS)  
 Dose Times may need to be adjusted to specific applications and dynamics of the pool  
 (see chart).

## PoolLink Alarm Troubleshooting - Guidelines



### Display Messages:

**[X.xx --LT xxx]** Indicated pH, Cl or ORP reading is **Less Than** the Low Alarm point

**Causes:** Underdose --- Verify with color test, Fresh water just added to pool, Probes need cleaning or replacing, chemical not feeding (empty or bad pump) controller may have just finished dosing to correct reading. Check calibration & recalibrate (when pool is near balance condition). Adjust Dose Mix or Span if necessary. Maybe slightly raise the ideal in if in Setpoint or ORP control.

**[X.xx --GT xxx]** Indicated pH, CL or ORP reading is **Greater Than** the High Alarm Point

**Causes:** OverDose --- Verify with color test, Pool was recently shocked, Probes need cleaning or replacing. Check Calibration & recalibrate (when pool is near balanced condition). Adjust Dose & Mix Times or Span if necessary. Maybe slightly lower ideal if in Setpoint or ORP control

**[Ck Probe]** Reading has exceeded Probe High or Probe Low Alarms

Chemical Feed has shut down and will not feed until condition is corrected.

**Causes:** Water is drastically out of balance or probe is bad. Verify with color test Manually balance pool—Check readings, Clean Probes, Recalibrate (when pool is near balanced condition).

**[CK Cycle]** ---Cycle count has been exceeded without reaching ideal setting (normally disabled)

**[CK Dose]** ---Maximum dose time has been exceeded in a 24 hr period (normally disabled)

These 2 Alarms:

Will cause the chemical feed to shutdown if count or time is too short, or a probe reading error.

They are cleared in the USER --Tools Menu --Reset Control --Yes

On PL1100, PL1200, PL1300, PL1301, PL1302 Model Controllers **Temperature** alarms are also enabled and displayed.

Refer to Operation and Service Manual for more detailed Instruction.

## TROUBLESHOOTING PROBLEMS:

**TRACKING** - Controller not following the pool (OverDose / Underdose) Slight variations can be acceptable.

- a) Be sure the controller has not just finished dosing chemical and the results have not gotten back to the probes yet. Does the pool water color test match the sample at the probes.
  - Wait a few minutes and see if the controller catches up. Make sure there is good flow in the bypass line passing the probes.
- b) Only calibrate or offset controller when pool is near a balanced condition (pH, ppm, Alk)
  - Calibration outside alarm points will lead to tracking problems See Calibration or Offset Manual adjustment to pool may be required.
- c) Make sure ORP reading is in a valid range 700 to 800 mv for 1-3 ppm of sanitizer
  - Low ORP is caused by low sanitizer, **dirty** or **bad** probe, high pH, high Alkalinity, bad grounding of equipment in room (electrical noise), presence of cyanuric acid, turbulence or air bubbles around the probes.
- d) If probes were just cleaned or new ones installed, remember that these probes may take a few hours to adjust to the water.
  - Be sure to have controller in **Pause** (EZ MENU) or shutoff feeders to prevent feeding during this adjustment period. After the ORP has stabilized (stopped rising) and the pool is near balanced condition, Calibrate the controller.
- e.) As probes age their response time and accuracy slow down. Continual tracking problems and recalibration usually mean new probes are required provided that calibration is being done when the pool is balanced.
- f.) Erroneous readings can also be caused by a damaged controller due to a electrical power surge such as an electrical storm. After trying the above steps contact your dealer or factory for further assistance and repair.

## Other Considerations:

- 1.) Chemical balance of pool in particular Total Alkalinity, Calcium Hardness, Total Chlorine
- 2.) Poorly functioning Chemical feeders,- plugged or leaking lines or injectors, low or high feed rates, loss of prime, out of chemical.
- 3.) Plugged filtration system – backwash needed, strainer plugged.
- 4.) Probe chamber not getting good flow – flow switch or sensor not functioning, bubbles in bypass line.
- 5.) Fill water just added to pool –is fresh water is going past the probes.
- 6.) Electrical ground loops or electrical noise interference.
- 7.) Recent shocking of pool
- 8.) Cold water – slows response time of probes.
- 9.) Remember a bad pH probe can result in a bad ppm reading as displayed on the controller.

## Probe checking and cleaning:

- a.) Shut isolation valves on probe chamber.
- b.) Put controller in pause or unplug chemical feed pumps from controller until probes resettle
- c.) See enclosed cleaning instructions.

**PWM PROPORTIONAL FEED CONTROL SAMPLE CHART**

		DEV from Ideal	% Pump ON	Time ON	Time IDLE
<b>Manufacturing Default</b>					
Span=.5	Cycle=1:00 min	0.5	100	1:00	0:00
		0.4	80	0:48	0:12
		0.3	60	0:36	0:24
		0.2	40	0:24	0:36
		0.1	20	0:12	0:48
<b>Sample 1 Increase Span</b>					
Span=2.0	Cycle=1:00 min	0.5	25	0:15	0:45
		0.4	20	0:12	0:48
ON time decreases & Idle increases		0.3	15	0:09	0:51
		0.2	10	0:06	0:54
		0.1	5	0:03	0:57
<b>Sample 2 Decrease Cycle Time</b>					
Span=.5	Cycle=30 sec	0.5	100	0:30	0:00
		0.4	80	0:24	0:06
Both ON & Idle time decrease		0.3	60	0:18	0:12
		0.2	40	0:12	0:18
		0.1	20	0:06	0:24
<b>Sample 3 Decrease Span</b>					
Span=0.2	Cycle=1:00 min	0.2	100	1:00	0:00
		0.1	50	0:30	0:30
Nearing Set-Point Control					
<b>Sample 4 Increase Cycle Time</b>					
Span=.5	Cycle=2:00 min	0.5	100	2:00	0:00
		0.4	80	1:36	0:24
Both ON & Idle time increase		0.3	60	1:12	0:48
		0.2	40	0:48	1:12
		0.1	20	0:24	1:36
<b>Sample 5 Increase Span, Increase Cycle</b>					
Span=4.0	Cycle=3:00 min	0.5	12.5	0:23	2:37
		0.4	10	0:18	2:42
At .5 Away from Ideal we have decreased		0.3	7.5	0:14	2:46
ON time and increased Idle time in relation		0.2	5	0:09	2:51
to MFG Defaults		0.1	2.5	0:05	2:55
Remember that pump ON jumps to the next time frame as the deviation decreases ie: feed will stop mid cycle if ideal is reached like a setpoint controller					
<b>OPTION 6 Model PL105</b>					
Dose Time 0:05	Mix Time 10:00	0.5		0:25	10:00
		0.4		0:20	10:00
<b>DPMC</b>		0.3		0:15	10:00
		0.2		0:10	10:00
		0.1		0:05	10:00

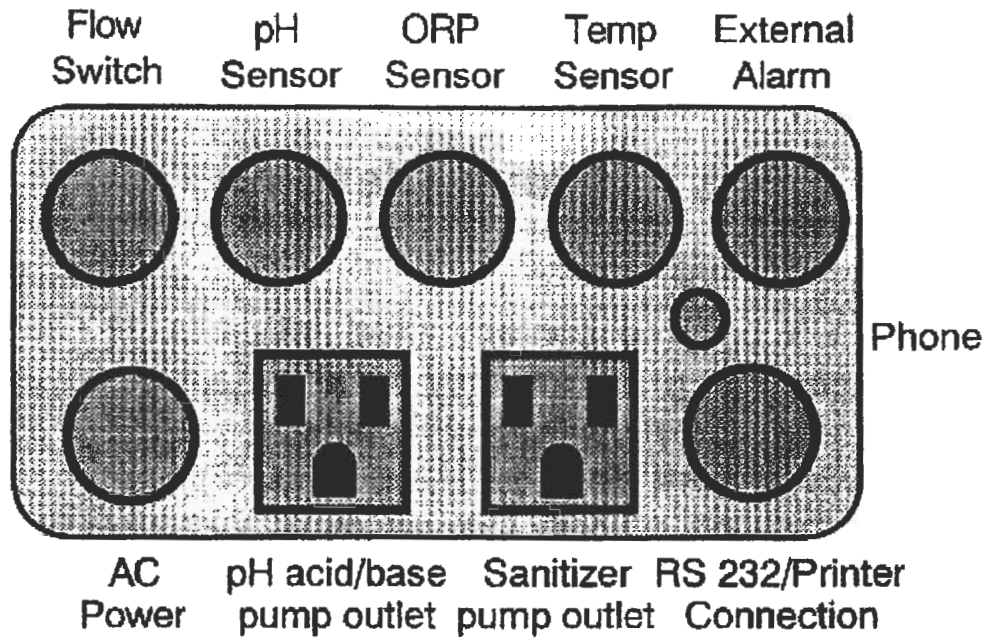


Figure 1-2  
 Connections on Bottom of Controller Box  
 (Some connections are only available on specific models)

## Probe Cleaning

Probes will become contaminated with oils or scale or other debris long before they wear out.

- It is not a question of if, only when.
- It is dependent only on water conditions
- Contaminated probes may produce bad readings
- The controller will respond to bad reading just as it does to good readings - except it may not know the readings are from contaminated probes
- They probes may not need to be replaced, only cleaned

Follow directions that come with probe(s) or simply

- Pause the controller
- Close the bypass valves
- Remove the probes (do not touch tips with anything)
- Agitate in detergent solution (to remove oils)
- Rinse in water
- Agitate in 10:1 solution of muriatic acid. Let stand for 1 to 2 minutes. Agitate again.
- Rise in water
- Replace the probes
- Open the bypass valves
- Wait. Let water run past probes for 20-30 minutes.
- Check reading to see if they make sense.
- If readings make sense, enable the controller



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## **CIRCULATION PUMP INTERLOCK TEST**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

<b>EZ Link Menu System Sequence</b>
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<b>To Enter Manual Dosing in EZ Menu</b>
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- |  |
|--|
| <ol style="list-style-type: none"><li>1.) Button: <b>PREV</b></li><li>2.) Display: <b>....EZ Menu.....</b></li><li>3.) Display: <b>CL adjust 2.x</b></li><li>4.) Button: <b>PREV</b></li><li>5.) Display: <b>pH Adjust 7.x</b></li><li>6.) Button: <b>PREV</b></li><li>7.) Display: <b>Temp Adjust 8x</b></li><li>8.) Button: <b>PREV</b></li><li>9.) Display: <b>Pause For 0:00</b></li><li>10.) Button: <b>PREV</b></li><li>11.) Display: <b>CL Dose Now 0:00</b></li><li>12.) Button: <b>+YES</b> to turn on CL Pump for 1 Minute</li><li><b><u>13.) SHUTDOWN CIRCULATION PUMP – CHEMICAL PUMP ALSO TURNS OFF</u></b></li><li>14.) Display: <b>CL Dose Now 0:00</b> (After the 1 minute countdown)</li><li>15.) Button: <b>PREV</b></li><li>16.) Display: <b>pH Dose Now 0:00</b></li><li>17.) Button: <b>+YES</b> to turn on pH correction feeder for 1 Minute</li><li><b><u>18.) SHUTDOWN CIRCULATION PUMP – CHEMICAL PUMP ALSO TURNS OFF</u></b></li><li><b><u>19.) EXIT EZ MENU BY PRESSING PREV THEN YES</u></b></li></ol> |
|--|

<p><b>Make Sure There is Good Flow Thru Probe Chamber</b></p>
---

<p><b>Flow Status Solid Green</b></p>
---

<p><b>Chemical Pumps Plugged into Bottom of Controller</b></p>
--

<p><b>PH on Left</b></p>
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<p><b>CL on Right</b></p>
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## FLOW SWITCH SETUP INSTRUCTIONS

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

### SERVICE Menu System Sequence

Buttons: Press and **HOLD YES & NO**, Press **NEXT** then release all three (3)

Display: ....**Entering Service Menu**.....

Display: **Exit – Press Yes** Button: **NEXT**

Display: **Setup Menu ?** Button: **+YES**

Display: **Exit – Press Yes** Button: **NEXT**

Display: **Setup pH ?** Button: **NEXT**

Display: **Setup CL ?** Button: **NEXT**

Display: **Setup Temp ?** Button: **NEXT**

Display: **Setup Date ?** Button: **NEXT**

Display: **Setup Alt-CL ?** Button: **NEXT**

Display: **Setup SiteLink ?** Button: **NEXT**

Display: **Setup Advanced ?** Button: **+YES**

Display: **Exit – Press Yes** Button: **NEXT**

Display: **Mode DPMC** Button: **NEXT**

**Press NEXT until you reach:**

Display: **Flow Sensor Yes/No** Button: **+YES** then Press **NEXT**

Display: **Flow Switch Yes/No** Button: **+YES** for Switch **-No** for Sensor

**To EXIT Service MENU --- Press and Hold NEXT Press PREV and**

**Release Both Buttons**

To record this change Cycle Power on the controller (Unplug and Plug back in to Power receptacle)

**MANUAL DOSING INSTRUCTIONS**

**PoolLink 1000 Series Controllers Version 3.32 and Version 3.33**

**PoolLink 100 Series Controllers Version 3.28 and version 3.33**

**EZ Link Menu System Sequence**

<p><b>To Enter Manual Dosing in EZ Menu</b></p>	<p><b>Make Sure There is Good Flow Thru Probe Chamber</b></p>
<p>1.) Button: <b>PREV</b></p>	<p><b>Flow Status Solid Green</b></p>
<p>2.) Display: <b>....EZ Menu.....</b></p>	<p><b>Chemical Pumps Plugged into Bottom of Controller</b></p>
<p>3.) Display: <b>CL adjust 2.x</b></p>	<p><b>PH on Left</b></p>
<p>4.) Button: <b>PREV</b></p>	<p><b>CL on Right</b></p>
<p>5.) Display: <b>pH Adjust 7.x</b></p>	<p><b>Controller monitors level but does not turn off pumps if Ideal is reached</b></p>
<p>6.) Button: <b>PREV</b></p>	
<p>7.) Display: <b>Temp Adjust 8x</b></p>	
<p>8.) Button: <b>PREV</b></p>	
<p>9.) Display: <b>Pause For 0:00</b> Use for probe cleaning, replacing etc.</p>	
<p>10.) Button: <b>PREV</b></p>	
<p>11.) Display: <b>CL Dose Now 0:00</b></p>	
<p>12.) Button: <b>+YES</b> to turn on CL Pump 1 Minute <b>+YES</b> again 2 Minutes etc.</p>	
<p>13.) Display: <b>CL Dose Now 0:00</b> (After the x:xx minute countdown)</p>	
<p>14.) Button: <b><u>PREV</u></b> at any time zeros countdown - turns off pump.</p>	
<p>15.) Button: <b>PREV</b> at zero countdown</p>	
<p>16.) Display: <b>pH Dose Now 0:00</b></p>	
<p>17.) Button: <b>+YES</b> to turn on pH correction feeder for 1 Minute etc.</p>	
<p>18.) <u>Sequence for pH is same as 12 thru 15 above</u></p>	
<p>19.) <u>EXIT EZ MENU BY PRESSING PREV THEN YES TO EXIT QUESTION</u></p>	

## Sample Configuration for Bromine Sanitizer

Parameters to change in controller:

### 1) In **Service Menu / Setup Menu / Setup Advanced**

Mode	Setpoint	Change to <b>PWM ( Prop)</b> (Or DPMC if available - Use correct dose and mix times for size of pool)
pH Added Is Acid / Base		( Does your Bromine Raise or Lower the pH of pool?) If you use Acid or CO2 Switch to <b>Acid</b> If you are using Soda Ash or pH Plus mixture Switch to <b>Base</b>
BR Control	ORP / PPM	Normally set to <b>PPM</b>
Flow Sensor	Yes / No	*Set to <b>Yes</b> if you have either a Flow Sensor or a Flow Switch
Flow Switch	Yes / No	Set to <b>Yes</b> only if you have Flow Switch

### 2) In **Service Menu / Setup Menu / Setup BR**

BR alarm LO	.5	Change to <b>1.5</b> (or Higher)
BR Ideal	2.0	Change to <b>4.0</b> **
Br Alarm Hi	3.5	Change to <b>7.0</b>

\* Cycle power on the controller ( Unplug and plug back in)

\*\* Remember to only calibrate or offset the controller when the pool is **Balanced (Near Ideal)**.