

CAT Controller Courier # 20

May 2008

Pool & Spa Safety Week

APSP has designated May 31st-June 6th, 2008 as Pool and Spa Safety Week. CAT Controllers encourages everyone to partake in this by making a commitment to yourselves and your customers by helping to make for safer pool and spa bathing conditions. www.apsp.org

New CAT Controller Website

CAT Controllers has updated the CAT Controller Website to help with our customers' needs. Please visit www.CATControllers.com and navigate through the site. You will now find the following helpful tools:

1. Explanations on why you should automate.
2. The entire CAT product line with cutsheets available for download.
3. Instruction Manuals available for download.
4. A Poolcomm Demonstration.
5. A Direct Link to Poolcomm.

And much more...

CAT encourages you to visit the CAT website and enjoy the benefits of having all of our product information at your fingertips. If you have any questions regarding the website or any helpful suggestions please contact Pat Sweeney, President of CAT Controllers, with your input.

CAT Controllers Offers a 1 Stop Shop Special!!

BUY 1 CAT 2000 Professional Package and 2 Pump/Tank Combos PAY ONLY \$2,000

CAT Controllers wants to give our dealers the opportunity to take advantage of this special earlier this year. The 2 for 2 for 2 special was very well received last year. It gives you, the dealer, the ability to purchase all of your chemical feed equipment all from CAT for a very affordable price. CAT is offering 2 of the well known Stenner Peristaltic Feed Pumps premounted onto the Stenner 15 and 30 gallon solution vats in conjunction with any 1 of the CAT commercial pH/ORP chemical controllers. Please contact your sales representative right away to place your orders. CAT 2 For 2 For 2 Sale Starts April 15th and Ends May 30th

CAT Dealer Testimonial

Wisconsin and Michigan pool code does allow salt chlorination units as a primary sanitizer, but does require a backup sanitizer system. The use of CAT 4000 controllers allows me to operate two ORP setting - primary and secondary. It is very important to operate the salt chlorinator with a controller because the salt cells life should be able to be extended from 1.5 years to 5 plus years. Salt cell are \$1200 each on my units. At an installation 4 hours from our shop, I have three CAT 4000 operating on salt unit with sodium hypo (bleach) as backup and two dry cal hypo feeders. The salt chlorinator worked as desired, but the two cal hypo feeders were difficult to maintain feed. To save on many eight hour round trips, I installed sodium hypo (bleach) as backup on the cal hypo system. This allows a secondary sanitizer that I know would operate 24/7 and maintain consistent sanitizer level.

Ken Walther of Valley
Chemicals, LLC.

Ken invites all of you to visit his website: www.valleyaquatic.com

Are You Having Difficulties Figuring Out Your Probe Behavior?

Two major factors that will make your controller's pH and ORP readings act uncanny. The first and most important is your chemical balancing via your manual readings and the second is your probe/sensor condition. Items that may appear to or genuinely cause out of the ordinary probe/sensor behavior:

- Acid dilution is too strong, may cause your pH dive.
- Acid dilution is too weak, may cause your pH creep up.
- Stray current in the filtration system, may cause rapid & dire fluctuation of ORP.
- pH & ORP probes/sensors are reversed at the controller, will cause readings of 9.9pH or 0.0pH and ORP reading of 999.
- If the probes have dried out, will most likely cause readings of 9.9pH and ORP 000 or 999.
- Suction side installations of erosion feeders, will cause a dramatic spike in the ORP possible putting the controller into ORP High Alarm for a period of time.
- Low Total Alkalinity, will result in fluctuating pH readings
- High Total Alkalinity, will result in pH Lock
- 50ppm Cyanuric Acid and above will result in much lower ORP readings.

Each one of these will alter your probe behavior. We must be sure that we are properly caring for and cleaning our probes regularly. See the below steps:

- 1.) Close flow cell valves. (If probes are installed in-line, turn off main circulation pump)
- 2.) Remove probes from the flow cell. Please unscrew "by hand" and disconnect the BNC connectors from the controller turning the connectors counter clockwise "by hand".

- 3.) Next, use a tooth brush to scrub gently the white ring and the tips of the sensors located at the bottom of the probe. Try to remove the oils and calcium build up (use mild degreaser like Joy, 409, or even Toothpaste can also be used, but NOT ACID)
- 4.) Rinse the tips of the probes off thoroughly, wrap the threads of the probes with a couple wraps of Teflon tape and place them back into the flow cell. (Please only turn the probes in far enough to stop leaking.) Also reconnect to the BNC connectors on the controller by turning clockwise. (If the flow cell is murky or clouded please call CAT for cleaning procedure)
- 5.) MOST IMPORTANT: Please manually balance your water, making sure your water chemistry is at the ideal balance that you would like and that your health department requires.
- 6.) Open the flow cell valves. (or turn the circulation pump back on)
- 7.) Perform a "hard reset" at the controller. (See CAT Manual)
- 8.) Give the ORP probe minimum 20-30 minutes to acquire its proper reading and make the displayed reading at the controller your new ORP set point.
- 9.) Check the pH reading at the controller against your manual test kit reading. If the two differ you must calibrate your controller to read the same pH as your test kit. After recalibrating your pH, set your pH set point to the current displayed reading.
- 10.) Turn on your pH feeder and your sanitizer feeder.

Activate Your CAT Controllers

CAT Controllers invites you to make sure that all of your CAT 4000's and CAT 5000's in the field are activated. It is that time of year, be sure to start utilizing the wireless, web-based communications of our communicating controllers. The Poolcomm website is there for you, the pool professional, to take full advantage of its helpful benefits. For the flat monthly rates, seasonal pre pays, or annual prepay rates, per your CAT 4000 or CAT 5000 controller.

- Hourly logs of your pH/ORP water chemistry.
- Graphs of your water chemistry.
- Feed Times
- Temperature
- Flow Rates
- Outbound alarm notifications to your e-mail or mobile phone.
- The ability to change alarm settings and set points from any internet based PC in the world.
- The ability to assign read-only and read/write access to you customers for their benefit.
- Twenty-four hour a day connection with your pools.

Please contact me, Troy McGinty, to activate your controllers and get them registered to the Poolcomm website. I will also be able to help you check your wireless coverage areas, help you troubleshoot

specific applications, assist with installations, as well as consult with you regarding your company's own water quality management program. If you have any questions, concerns, or ideas please contact me as soon as possible at 800-657-2287 or e-mail me at mtmcginty@chemauto.com.

CAT Wireless Controllers have made quite an impact on our industry. We here at CAT would like to thank you for supporting our efforts to continue pioneering and improving the water quality management industry. We hope you take advantage of the CAT 4000 and CAT 5000 benefits and continue to do business with CAT Controllers in the future.

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