

CONTROLOMATIC

Automated Pool & Spa Solutions

Pool and Spa Chemical Automation

PoolWarden

The PoolWarden is a water chemistry control system, designed to control the pH, sanitizer and temperature on up to two bodies of water at the same time. Four relays are included for each pool: pH and ORP relay supply the input voltage and two additional auxiliary dry contact relays to control a heater, water level, backup sanitizer (when the primary sanitizer is a salt system) and other types of equipment. Water measurements are taken continuously, while PoolWarden's internal relay program determines if chemical adjustments are needed. Energy management is supported by providing two setpoints per day for heater control. Lowering the temperature of a spa after hours will lower the energy usage and help prevent unauthorized usage.

- ✓ 2 AC and 2 dry contact relays per pool
- ✓ Proportional feed control to reduce overshoot
- ✓ Programmable setpoints, mixing times and on delay
- ✓ Langelier saturation index and pH adjustment
- ✓ Data recording, up to 8,200 records
- ✓ Chlorine backup support
- ✓ Track the previous month's relay run times
- ✓ TrueDPD colorimetric free chlorine sensor
- ✓ UL 1563, CSA C22.2#218.1, NSF50



MiniWarden

Measures pH, sanitizer and temperature and controls chemical feed equipment to keep the pH and sanitizer in range. Water measurements are taken continuously while MiniWarden's internal relay programming determines if chemical adjustments are needed. The MiniWarden's ORP control includes a switch to set the relay to supply the input VAC, or a dry-contact which can be used for salt water chlorine generators, and solenoid valves that are controlled with a different voltage or a simple switch.



- ✓ Measures pH, ORP and temperature
- ✓ pH Lockout and flexible mixing times
- ✓ Two types of overfeed protection
- ✓ Manual measurement entry and Langelier
- ✓ ORP relay selectable VAC or dry contact
- ✓ TrueDPD free chlorine sensor support
- ✓ Security passwords and PIN codes
- ✓ MANUAL and AUTO modes
- ✓ Input 110 to 220 VAC
- ✓ UL 1563, CSA C22.2#218.1, NSF50

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Swimming pool chemical automation refers to the automatic monitoring and control of the sanitizer and pH levels in water. This helps maintain clean, safe water at all times, while achieving significant reductions in the cost of chemicals, maintenance and repairs. Automation is now recognized as a necessity for all public pools and spas, as well as for quality residential installations. ControlOMatic systems offer the most advanced line of electronic controllers for monitoring and control of water chemistry. The most important benefit of a ControlOMatic controller is the increased safety. When using a ControlOMatic controller, the water chemistry will be in balance, unless there is an alarm condition. ControlOMatic controllers measure the chemical values in the water continuously, delivering the correct chemicals exactly when needed. Other chemical feed systems (adjustable feed pumps or metered erosion chlorinators) are unable to adjust to changes in bather load or temperature, which can change the pool balance in a very short time.

SmarterPool

The SmarterPool is a revolutionary pH and PPM controller that isn't effected by cyanuric acid, saltwater chlorine generators, water flow, pressure or fluctuations using a ORP sensor with a free chlorine measurement. Using a blend of the TrueDPD free chlorine sensor and the MiniWarden in the same box brings a lot of capability for both commercial and residential markets. SmarterPool is easier to use than most ORP chemical controllers because there is less to setup. ORP Controllers need a pH lockout feature to prevent overfeeding sanitizer if the pH gets too high. However, this is not a problem for SmarterPool because the free chlorine measurement isn't effected by pH like an ORP sensor.



- ✓ pH (acid or base) Free Chlorine (Sanitizer)
- ✓ Free chlorine PPM Range 0 to 9.98 ppm
- ✓ 2 Switch inputs, feed disable with no flow
- ✓ Measures free chlorine, pH and temperature
- ✓ 2 x 24 VAC and 1 dry contact control relays
- ✓ Input supply voltage: 24 VAC
- ✓ Langelier saturation index and pH adjustment
- ✓ All the features of the MiniWarden except pH lockout
- ✓ Perfect for salt systems
- ✓ DPD reagent test, not ORP
- ✓ DPD in powder form for easy mixing and shelf life
- ✓ DPD manual operation

Options

TrueDPD Free chlorine sensor can be added to the PoolWarden or MiniWarden. Ethernet communication and a vacuum fluorescent display (VFD) can be added to all models.

ControlOMatic, Inc.
530-205-4520
www.controlomatic.com
support@controlomatic.com
Made in the USA

