



## Swimming Pool, Spa & Water Feature Chemical Automation

The MiniWarden is an economical water chemistry control system with features found in higher priced systems and capabilities to control the pH and sanitizer on recreational water. The MiniWarden will control chemical feed equipment using relays to keep the water in balance. Water measurements are taken continuously while MiniWarden's internal relay programming determines if chemical adjustments are needed and can be precisely dispensed. With optional Gold ORP Sensor and PW-FREE colorimetric sensor, the MiniWarden is perfect for controlling today's popular salt water systems.

- pH (acid or base) and ORP (Sanitizer) control
- Proportional feed for more precise control with any chemical feed pump
- Programmable set points, mixing times and on delay
- ORP Calibration can be disabled
- Supports on and off mixing times
- Manual control on and off modes
- All relay disable for 1 hour when servicing pool
- 1 Button quick jump for calibrating and manual control
- Service pin code entry tracks access
- 10 security passwords, 4 levels and lockable enclosure
- Entry of manual PPM, hardness and alkalinity for Langelier saturation index calculation
- Daily overfeed protection and set point overfeed protection
- ORP pH lockout, ability to not have both feed at the same time
- Suction side cal hypo feed capabilities
- Data Recording, up to 8,200 records
- Built in time and date clock
- English/Metric
- Red alarm LED on outside of enclosure
- Easy to use 16 button keypad, 40 Character backlit display
- Up to 4 Switch inputs, can also be digital flow for flow rate
- Support for the PWFREE Colorimetric free chlorine sensor & True PPM Control
- Optional Ethernet, WIFI, Powerline & Cellular Communications
- ORP Control relay can be dry contact, or input voltage
- ORP Range 0 to 988 mv
- PH Range 4.22 to 9.78
- Temperature range 32 to 122 F (0-50 C)
- Varistor relay protection
- Auxiliary dry contact relays for chlorine backup control
- 110 and 220 VAC input voltage
- UL 1563 and CSA C22.2#218.1 Approvals
- Controller: 10"x 8 3/8" x 4" (254 mm x 213 mm x 102 mm)
- Flow Cell w/fittings & probes: 7" x 16.5" x 3" (305 mm x 203 mm x 178 mm)