

DCM 2 Series Controller

NEW
PPM CONTROL

ProMinent®

A Recreational and Attraction Water Chemistry Solution



The **ProMinent® DCM 2 Series** controller is the perfect partner for monitoring and controlling water chemistry parameters and processes in commercial pools, spas and fountains. The DCM 2 Series precision and uncompromising quality represent a world-class solution to ensure a safe and healthy water experience for patrons.

Features & Benefits

- New Brighter OLED display is bright enough for daylight viewing.
- Automatic discrete control and flow adjustments of chemical dosing pump
- Proprietary sensor technology for pH & (ORP or PPM*)
- Ethernet web-based real-time monitor and control via network-enabled PC, smart phone, iPad or tablet device
- Flow meter input
- Hydraulic compensation via true PID control
- Hydraulically advanced flowcell assembly
- USB host data log upload port
- Heater control
- Estimated 20-25% chemical savings when utilizing PPM instead of ORP

Applications

- Residential pools
- Commercial pools
- Therapy pools
- Spray pads
- Hot tubs
- Fountains



Certified to
NSF/ANSI Standard 50

Ordering Information

- **DCM 200 - Controller Package** for pH, ORP, temperature sensor, HTML server and flowcell mounted on corrosion proof PP backpanel (**P/N: 7761496**)
- **DCM 2CI - True PPM Package** for pH, Free PPM, temperature sensor, HTML server with flowcell mounted on corrosion proof PP backpanel (**P/N: 1049197**)

* The PPM probe is suitable in the presence of low levels of cyanuric acid. The probe is also usable in saline pools up to 4000 ppm.

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Specifications

Specifications	Details
Operator Interface	
Remote	Fully interactive Ethernet TCP/IP graphical interface with security access codes
Local	2 line, 16 character OLED display, 5 buttons, 2 LEDs: Steady Blue = "OK", Flashing Blue = flow switch is in "Recovery Delay" after a flow interruption, Flashing Red = "Alarm"
Analog	
Sensors	pH, (ORP or PPM) and Temperature
Digital I/O	
Digital inputs	2 (1 Configurable)
Output/Control relays	3 (10A, Assignable)
Digital outputs	2 (Assignable)
Control	
	On/Off
	P/PI/PID
	Time modulated
	Event timer
	Flow restored delay (Adjustable)
Communication	
	HTML sever on board, standard
	USB port
	Standard Ethernet, optional WiFi for use with smartphone /I-Pad & Optional Wireless 3G cellular Modem
	HTML, micro web server with user definable IP address
System	
Power	120 or 230 VAC, 50/60Hz, single phase
Fusing	5 amps @ 120 VAC or 2.5 amps @ 230 VAC
Surge suppression	Relay 2, 10 amp N.O.
Accessory power	12 VDC, regulated, thermally fused @ 50 mA
Enclosure	Non-metallic, NEMA 4X
Memory integrity protection	Internal flash parameter protection, and 5 year lithium battery for RAM stored values
Warranty	
	5 years on electronics
	2 years on ORP, pH sensors
	1 year on all other parts