

DCM 3 Series Controller

Stay Connected and In Control of Your Aquatics Facility!

New



The **ProMinent DCM 3 Series** controller is the perfect partner for remote monitoring and controlling water chemistry and processes in pools, spas, hotels, motels, and condos. The **DCM 3 Series** precision and uncompromising quality represent a world-class IIoT solution to ensure a safe and healthy water experience for your customers and peace of mind for you.

Features & Benefits

Stay Connected

- Receive email and text alarms
- Make changes from your smartphone, tablet or computer
- No apps required to connect and control
- Automatic emailing of data logs
- WiFi, RS485, and 4G capable

Stay in Control

- Monitor and control
 - Flow rate
 - UV systems
- Precision chemical feed
 - Proportional and PID control strategies
 - Control output of ProMinent pumps

Stay Safe

- Configurable digital interlocking to flowmeter and circ pump
- 29 discrete assignable passwords at three access tiers

World-Class Accuracy

- pH sensor accurate to 0.04 SU per NSF

Applications

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

Ordering Information

- **DCM300** - controller package for pH, ORP and temp. (P/N: 1107687)
- **DCM300 Salt** - Salt pool controller package for pH, gold ORP, and temp (P/N: 1107688)
- **DCM300 SaltPlus** - Salt pool controller package for pH, gold ORP, conductivity/TDS, and temp. (P/N: 1107689)
- **DCM3CI** - True PPM controller package for pH, free chlorine PPM, and temp. (P/N: 1107690)
- **DCM3CIPlus** - True PPM controller package for pH, free chlorine PPM, conductivity/TDS, and temp. (P/N: 1107691)



Certified to
NSF/ANSI Standard 50



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Specifications

Operator Interface		
Remote	Fully interactive Ethernet and WiFi TCP/IP graphical interface with multi-level security access codes	
Local	4 line - 20 character ○ LED display, 12 buttons,multicolor controller status LED, multicolor output LEDs indicate relay output status, Ethernet, and Wifi status LEDs	
Sensors		
Included sensors	pH, (ORP or PPM), temperature	
Optional sensors	Conductivity, feed verification, flow rate, water level, calculated LSI/Ryznar, water totalizer	
Inputs		
Digital inputs	6, (5 fully configurable) Examples: sample flow switch, return line low switch, digital pulse flow meter(s), auto-fill float switch, external interlocks	
Analog inputs	Up to 5 standard (configurable options) + 9 virtual (LSI, flow rate, etc.)	Example: conductivity, pH, [ORP or free chlorine], sample temp, flow via pulse input
Outputs		
Control relays	5 total: 2 AC line voltage, 3 dry contact (AC or DC), all are fully assignable	
	1. Acid feed 2. Oxidant feed 3. Autofill 4. CO2 feed 5. Alarm	
	*Interlocked with sample flow when used for chemical feed	
Control		
	On/off Time modulation Time cycling pH ORP or free chlorine Temperature Event timers Autofill	Chem feed stop during bump or backwash Flow restored delay (adjustable)
Communication		
	HTML server on board (standard) 10Base T, TCP/IP ethernet, optional wireless 4G cellular HTML, micro web server with DHCP or user definable IP address Standard built-in WiFi router (smartphone/ iPad/ tablet) USB port for datalog extraction, configuration saving, configuration uploading, & field software updates	
Security		
	Local and remote access protected by access codes (Up to 8 unique users and passwords with 3 access levels)	
System		
Power	90-253VAC, 50/60Hz, 7.9Amp, single phase	
Fusing	Outputs fused @ 6.3 Amps total @ 120/250 VAC, Internal circuits fused at 1.6Amps	
Surge suppression	Integral surge suppression - Relays 1-5	
Accessory power	15VDC thermally fused at 60mA. (no NAMUR inputs)	
Enclosure	Non-metallic, NEMA 4X, IP65	
Panel dimensions	18" x 30" x 6.5" (WxHxD)	
Convenience	Field software upgrades via USB flash drive, configuration cloning via flash drive	
Certifications		
	NSF/ANSI/CAN Standard 50 (Pending)	
	UL 61010-1	
	CSA CAN/CSA-22.2 No. 61010-1-12	
Warranty		
	5 years on electronics 2 years on ORP, pH sensors 1 year on all other parts	

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