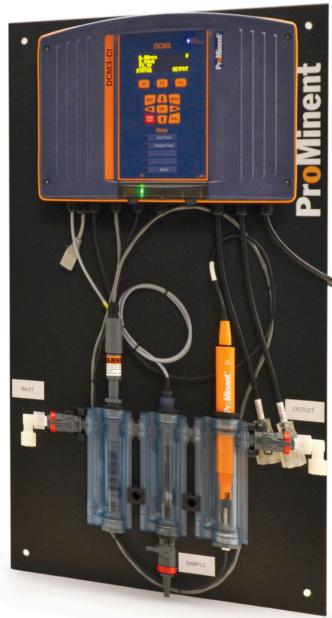


# DCM 3 Series Controller

**A recreational and attraction water chemistry solution!**



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.

## Features and 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, Ethernet and 4G capable

### Stay in Control

- Monitor and control
- Precision chemical feed
  - 1. Proportional control strategies
  - 2. Control output of ProMinent pumps

### Stay Safe

- Configurable digital interlocking to flowmeter and circ pump
- 8 discrete assignable passwords at three access tiers
- Simultaneous monitoring and control of ORP and PPM

### World-Class Accuracy

- pH sensor accurate to 0.04 SU per NSF



# DCM 3 Series Controller

## A recreational and attraction water chemistry solution!

### Operator Interface

Remote	Fully interactive Ethernet TCP/IP graphical interface with security access codes
Local	4 line - 20 character OLED display, 12 buttons, multicolor controller status LED, multicolor output LEDs indicate relay output status, Ethernet, and WiFi status LEDs

### Sensors

Included Sensors	pH, (ORP and/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 and/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. CO <sub>2</sub> feed
	5. Alarm
	* Interlocked with sample flow when used for chemical feed

### Control

On/Off	
Time modulation (proportional)	
Time cycling	
pH	
ORP and/or free chlorine	
Temperature	
Event timers - for alternate oxidant setpoint or timed feed of chemical (filter aid)	
Autofill	
Chem feed stop during bump or backwash	
Flow restored delay (adjustable)	
Blocking and lockout for added control	

# DCM 3 Series Controller

## A recreational and attraction water chemistry solution!

<b>Communication</b>	10 base 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
<b>Security</b>	Local and remote access protected by access codes (Up to 8 unique users and passwords with 3 access levels)
<b>System</b>	
Power	120 VAC, 50/60 Hz, 7.9 A, single phase
Fusing	Outputs fused at 6.3 A total at 120 VAC, Internal circuits fused at 1.6 A
Surge Suppression	Integral surge suppression - Relays 1-5
Accessory Power	15 V DC Thermally fused at 60 mA, (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
<b>Safety</b>	NSF/ANSI/CAN Standard 50 MET to UL 61010-1 CSA Can/CSA-22.2 No. 61010-1-12
<b>Warranty</b>	5 years on electronics 2 years on ORP, pH sensors 1 year on all other parts

### Ordering Information

		Order no.
DCM 300	Controller package for pH, ORP and Temp	1107687
DCM 300 Salt	Salt pool controller package for pH, gold ORP and temp	1107688
DCM 300 Salt plus	Salt pool controller package pH, gold ORP, conductivity/TDS, and temp	1107689
DCM3Cl	True PPM controller package for pH, free chlorine PPM, and temp	1107690
DCM3Cl plus	True PPM controller package for pH, free chlorine PPM, conductivity/TDS and temp	1107691
DCM3Cl ORP	True PPM controller package for pH, ORP, PPM and temp	1118932