

DCM 5 Series Controller Quick Start Guide

CAUTION

Before attempting calibration or commissioning of the DCM5 controller, water chemistry must be stable and within normal ranges of 7.2-7.8 pH, Total Alkalinity 80-120 ppm, Free Chlorine 1-2 ppm

pH Calibration

1. Perform a pH test and NOTE the results

2. Press  2 times
[Oxidant]
[pH Sensor_C]



3. Press  3 times
[Editing, ← or Exit]
[Calibrate]
[Enter Value]



4. Press    to
adjust displayed value
to match the tested
value, then press 
to accept the change



5. Press  to return
to the main status
screen



(Residual and Temperature calibrations are performed in the same manner from their respective sensor menus, but field ORP calibrations are not normally needed.)

Adjusting Pump Setpoints

Note: "Turn OFF Setpoint" is the ideal point where chemical control is achieved and "Turn ON Setpoint" is the point used to define the on/off deadband or proportional span needed.

1. Press  5 times
[pool Oxidant]
[pH Sensor]
[Acid Pump]
[ORP Sensor_D]
[Oxidant Pump_3]



2. Press  3 times to
change the Turn ON
Setpoint [Editing, ←
or Exit]



3. Press    to
adjust the Turn ON
Setpoint, usually one
or two units (0.1 ppm)
below the Turn OFF
setpoint for Oxidant
feed systems. Then
press  to accept the
new value.



4. Press  then  to
change the Turn OFF
Setpoint. (Default is
1.5ppm)



5. Press   to
adjust the "Turn OFF
Setpoint". This is the
point where oxidant
feed is satisfied, and
considered by most to
be the setpoint when
only 1 setpoint is
used. Then  press
to accept the new
value.

6. Pressing  BACK returns to the main status screen

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Alarm Information

If the orange ALARM light is flashing, an alarm has activated.

1. Press  once to view active alarms. The LCD screen will alternately show the oxidant feeder status along with any inputs (letter) or outputs (numbers) that have alarmed.



Note: Alarms may have been corrected and the alarm just may need to be acknowledged.



Clear (Reset) All Alarms

1. When the alarm light is flashing and you just want to acknowledge and clear the alarms, press  then  twice.
[Alarm Status Screen]
[Alarm Menus]
[Clear Alarms]



Changing a Pump/Feeder Auto to Off - Manual ON

Relays 1 and 3 are factory set as Acid Pump and Oxidant Pump, using pH Sensor C, and ORP Sensor D, respectively. They are default in the AUTO mode for ON/OFF control to 7.4 pH and 750mV. They can be set to the on mode for priming or to the OFF mode to temporarily disable chemical feed.

1. Choose the relay you want to change by pressing  the button until the selected (relay 1 or 3) is shown.



2. Press and hold the  button and the display will change to show ←AUTO ↓OFF ↑ON while the  button is held down.



3. While holding the  button, pressing one of the three other buttons , , or  will put the output in that respective mode.



The default timeout for the forced ON condition is 10 minutes. After that delay, the relay will revert to AUTO mode. To adjust this time, refer to the install manual or ask your ProMinent Distributor for assistance.

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