DCM 2 Series Controller
Quick Start Guide
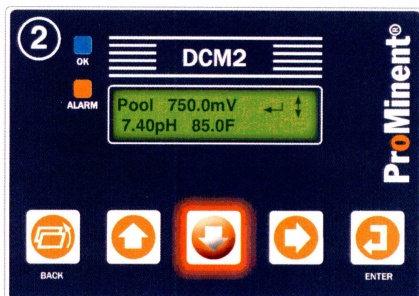
pH Calibration

1. Perform a pH test and NOTE the results
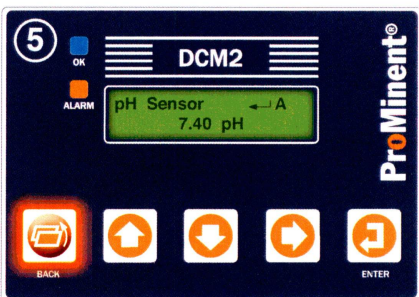
2. Press 🔽 2 times [pH Sensor]

3. Press 🔁 3 times [Editing, ↵ or Exit]

4. Press 🔼 🔽 ➡️ to adjust displayed value to match the tested value, then press 🔁 to accept the change

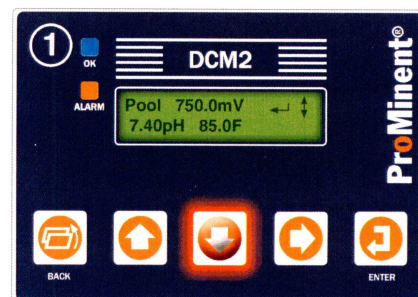5. Press 🔁 to return to the main status screen

(Temperature Calibration is performed in the same manner from the Temperature Sensor menu, and field ORP calibrations are not 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 deadband or proportional span needed.
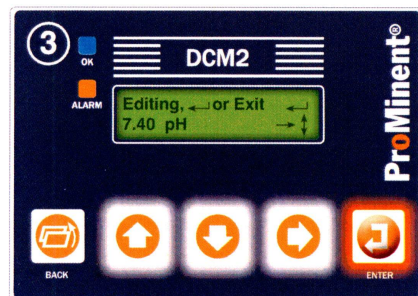
1. Press 🔽 3 times [pool Oxidant] [pH Sensor] [Acid Pump]

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 above the Turn OFF setpoint for acid feed systems. Then press 🔁 to accept the new value.

4. Press ➡️ then 🔁 to change the Turn OFF Setpoint. (Defaults are 7.4 pH, and 750mV)

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

6. Pressing 🔁 BACK returns to the main status screen
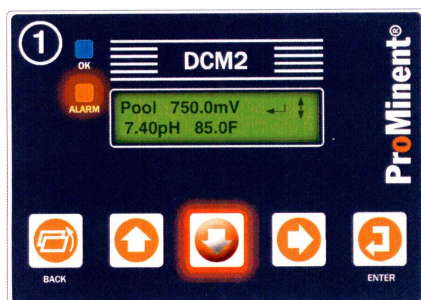
ProMinent®

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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.
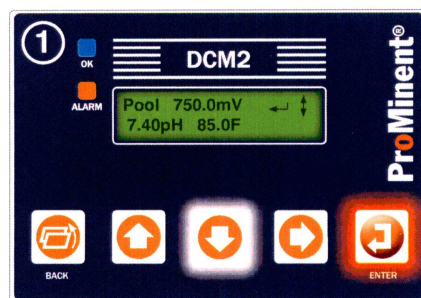
Note: *Alarms may have been corrected and the alarm just may need to be acknowledged.*
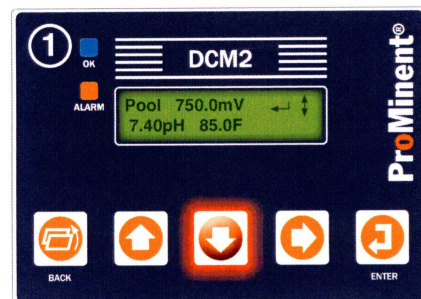
Clear (Reset) All Alarms

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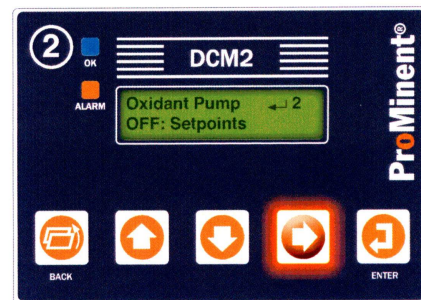   [Alarm Status Screen]
   [Alarm Menus]
   [Clear Alarms]

Changing a Pump/Feeder Auto to Off - Manual ON

Relays 1 and 2 are factory set as Acid Pump and Oxidant Pump, using pH Sensor A, and ORP Sensor B, 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.
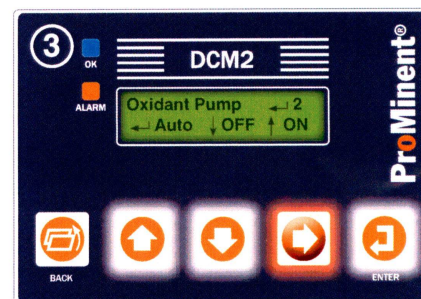
1. Choose the relay you want to change by pressing ⊙ the button until the selected (relay 1 or 2) is shown.

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.