





# STRANTROL<sup>®</sup> SYSTEM4 Basic Operation






In order to prevent unauthorized adjustment of the System4 controller, calibration, changing of setpoints and pump modes can only be carried out after the access procedure detailed below has been used.

## ACCESS







Note: Hidden key is above and to the left of “Strantrol”, at the top of the controller. The red dot signifies the position of the hidden button.  Note: The red dot is not on the controller, it is just a locator for this sheet.

Press and hold for three seconds the  key at the top left of the controller. The display will read “**CHANGE SETTINGS?**” Press the  key again, and the display will read “**ACCESS PERMITTED.**” Calibration, setpoint change and pump mode settings can now be made as desired. After adjustment has been made, press the  key once more to return the display to normal reading.

## CALIBRATION

Follow the access procedure, then press the  key for pH calibration. The LED will light and the display will read either “**pH FEED DOWN**” or “**pH FEED UP.**” Press the  key, and the display will show the current value. Adjust the reading to the desired level using the   keys to the right of the display. Press the  key to return to normal reading.

## SETPOINT CHANGE

Follow the access procedure, then press the  key to change HRR control setpoint or the  key to change pH setpoint. The LED will light and the display will read either “**pH FEED DOWN**” or “**HRR CONTROL.**” Press the  key, and the display will show the setpoint of the selected channel. Adjust the reading to the desired level using the   keys to the right of the display. Press the  key to return to normal reading. (Turn document over for additional instructions)

NOTE: Before contacting your Stranco Products distributor for technical advice, please ensure that you make a note of the current chemical test results and of the controller readings.

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(continued)

## PUMP ON / OFF / AUTO

Follow the access procedure, then press the **HRR** key to change chlorine pump setting, or the **pH** key to change setting of the pH pump (or CO<sub>2</sub> feed). The LED will light and the display will read either “**pH FEED DOWN**” or “**HRR CONTROL.**” Press the **Auto Off Man** key, and the display will show the current mode of the pump selected – automatic, off or manual. Repeated pressing of this key will scroll through the three options until the desired option is reached. Press the **Str** key to return to normal reading.

**NOTE:** If either pump is set in “manual” or “off” modes, the display will alternate continuously between the normal reading and the mode setting as a reminder to the operator that the controller is not in automatic operation.

## RESET FAIL/SAFE KEY

As a safety feature, the controller is programmed to feed chemicals only for a limited pre-set period. If either the chlorine or pH dosing pumps exceed this period, dosing will stop on that channel only and both the Alarm LED and the LED in the **Reset Fail/Safe** key will light. The display will read either “**pHdn f/s**” or “**Cl/Br f/s.**” Determine the reason for the failsafe alarm, rectify the fault and press the **Reset Fail/Safe** key to restore dosing. Should you need advice as to the cause of this alarm or wish to have the set time limit for you controller changed, please contact your Stranco Products distributor.

**NOTE:** Before contacting your Stranco Products distributor for technical advice, please ensure that you make a note of the current chemical test results and of the controller readings.

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