



EW Series pumps with a Y Control Module

To program your pump for digital input control:

1. Start in the WAIT mode. WAIT mode is when the pump is not running and the display shows —360“ (or current speed setting) as well as —SPM“ and —DISP“ in small letters. If not in this mode, press the START/STOP key.
2. Confirm the current EXT mode of operation: Press the EXT key briefly and confirm the mode that displays along the top of the display. If the correct —MULT“ or —DIV“ appears, skip to step 10.
3. Press the START/STOP key to return to the WAIT mode.
4. Press the EXT key for 3-5 seconds. This gets you into the User programming menu.
5. EXT should be displayed. Press the UP or DOWN keys until the display reads EXT.
6. Press the DISP key.
7. Press the UP or DOWN arrow key until the display reads —DIV“ or —MULT“.
8. After you've selected the pump to either MULT (multiply) or DIV (divide) pulses, press the START/STOP key to return to the WAIT mode.
9. Press the EXT key. The pump is now in the EXT operation mode and will operate based on the incoming pulses.
10. To set the multiplier/divider number, press the EXT button again. A multiply or divide symbol will appear and a number (default is 1). A small —SET“ will be displayed in the lower right corner to confirm that the EXT operation is being programmed.
11. Using the UP/DOWN arrow keys, select the multiplier/divider number desired.
12. Press the EXT key again to exit programming and go back to the EXT operation mode. —SET“ will disappear.
13. Pressing the START/STOP key will return to wait mode and exit EXT operation.

To program your pump for analog control:

1. Start in the WAIT mode. WAIT mode is when the pump is not running and the display shows —360“ (or current speed setting) as well as —SPM“ and —DISP“ in small letters. If not in this mode, press the START/STOP key.
2. Confirm the current EXT mode of operation: Press the EXT key briefly and confirm the mode that displays along the top of the display. If the correct —ANA.V“ or —ANA.R“ appears, skip to step 10.
3. Press the START/STOP key to return to the WAIT mode.
4. Press the EXT key for 3-5 seconds. This gets you into the User programming menu.
5. EXT should be displayed. Press the UP or DOWN keys until the display reads EXT.
6. Press the DISP key.
7. Press the UP or DOWN arrow key until the display reads —ANA.V“ or —ANA.R“.
 - a. ANA.V allows scaling of the pump to the 4-20mA signal and is the best choice in general.
 - b. ANA.R has four fixed options: 4-20, 0-20, 20-4, 20-0. CAUTION: in ANA.R, the pump will error out with —DISCN“ and stop operation if the analog signal falls below the low set point)
8. After you've selected the analog mode, press the START/STOP key to return to WAIT mode.
9. Press the EXT key. The pump is now in the EXT operation mode and will operate based on the analog signal.
10. To program the analog operation, press the EXT button again. A small —SET“ will be displayed in the lower right corner to confirm that the EXT operation is being programmed.
11. To program:
 - a. ANA.V: Use the EXT key to advance through the mA and SPM of both set points; use the UP/DOWN arrow keys to change the mA and SPM settings. Pressing EXT a fifth time will exit programming and go back to the EXT operation mode. —SET“ will disappear.
 - b. ANA.R: Use the UP or DOWN keys to scroll through the options, 4-20, 0-20, 20-4, 20-0. Once the desired setting is displayed, press EXT to exit programming and go back to the EXT operation mode. —SET“ will disappear.
12. Pressing the START/STOP key will return to wait mode and exit EXT operation.