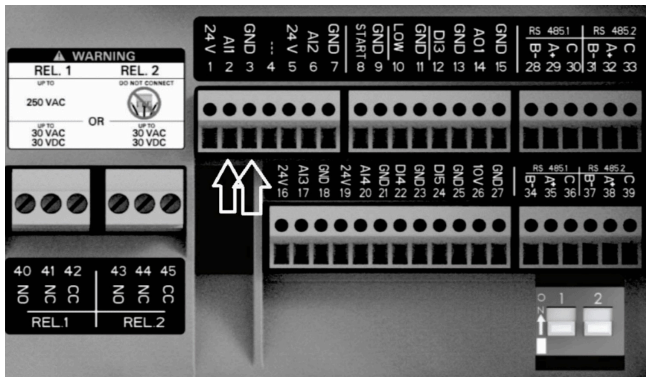


Setting up the Xylem hydrovar[®] X controller to run in actuator/speed control

The hydrovar X can be configured for speed control through an analog input. The controlling source can be either an external control device such as a PLC, BMS (Building Management Systems) or potentiometer.

Configuring the output

The output from the external control device can be either a voltage or current output signal. For speed control using PLC or BMS with an independently powered signal you will use terminal #2 as the input signal, and #3 for the common.



0-10 VDC - 4-20 MA - 0-20 MA

1. Sending a 0-20 MA or 4-20 MA input signal to the drive using analog input #1. You will wire your 0-20 MA or 4-20 MA signal into terminal #2 and common on terminal #3.
2. Sending a 0-10 VDC input signal to the drive using analog input #1. You will wire your 0-10 VDC signal into terminal #2 and common on terminal #3.

Figure 1: connections for external speed signals

Performing a factory reset

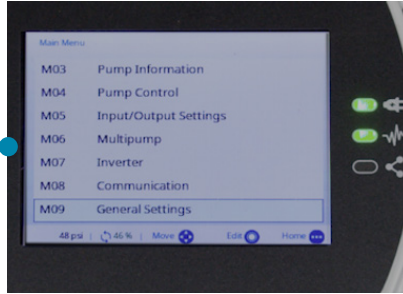
We will be programming and setting up and commissioning in the startup Genie. If you have previously programmed from the Genie you will need to perform a Factory Restore and restart your programming. Please follow these steps to perform a factory reset or restore.

- 1 Select the multifunction button as shown

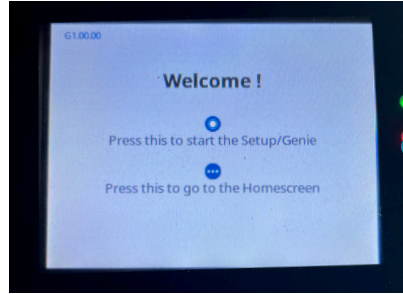


hydrovar X acuator-speed control

2 Select M09 settings



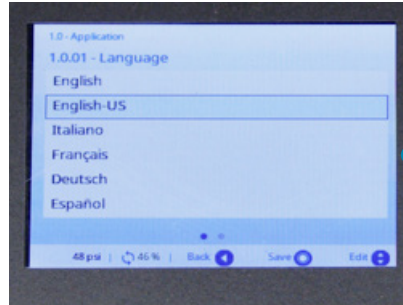
Select enter/ send button 7



3 Select 9.3 factory settings



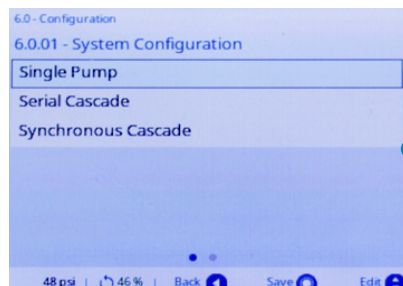
Select english 8



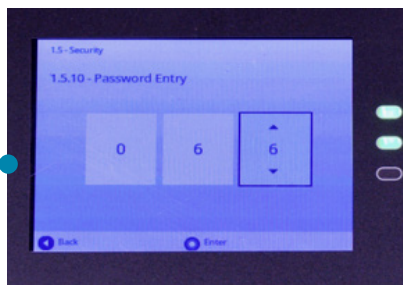
4 Select 9.03.05 factory restore



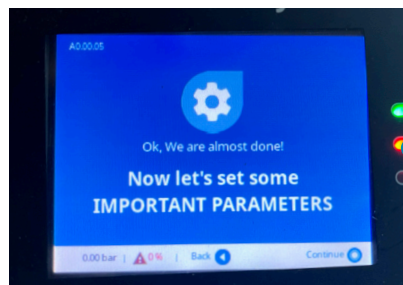
Select single pump 9



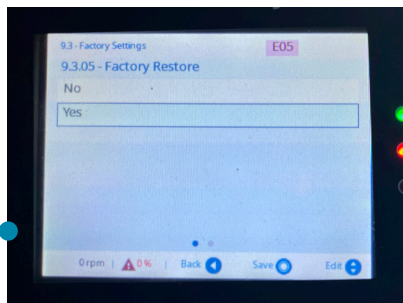
5 Set the password to 0-6-6



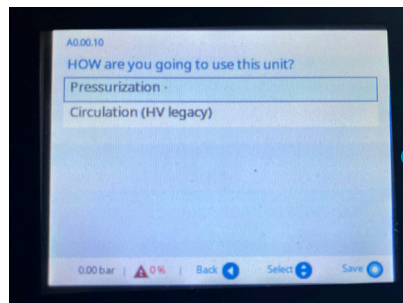
Select enter/ send button 10



6 Select yes/ cycle power off/wait until display goes dark

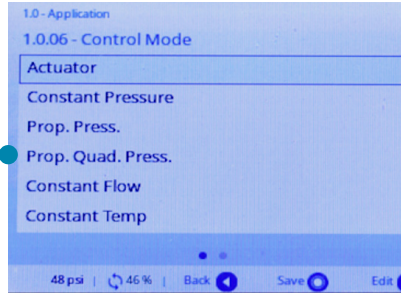


Select pressurization 11

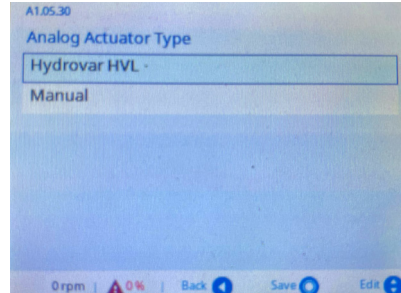


hydrovar X acuator-speed control

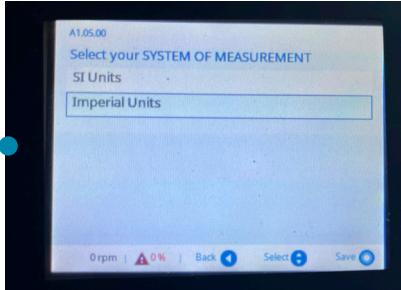
12 Select actuator



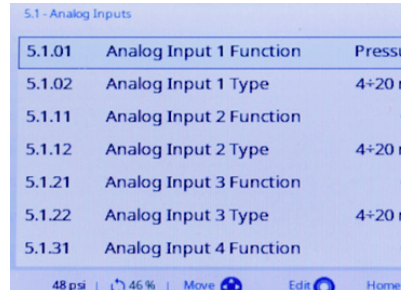
Select Hydrovar HVL 17



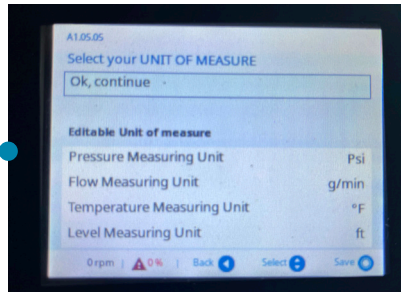
13 Select imperial units



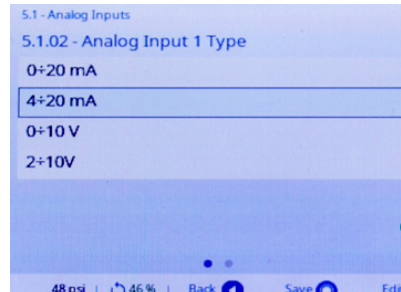
Select analog input 1 function 18



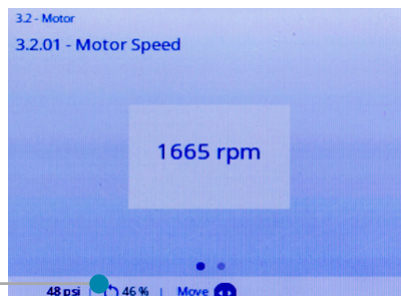
14 Select OK to continue



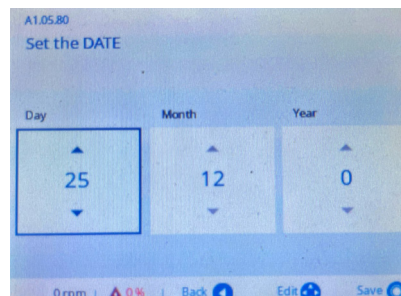
Select the correct analog input type you are using for your application 19



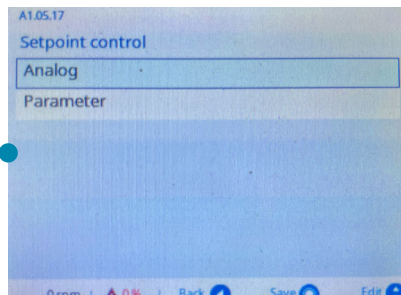
15 Select the correction maximum speed/rpm noted on the nameplate of your motor and enter here.



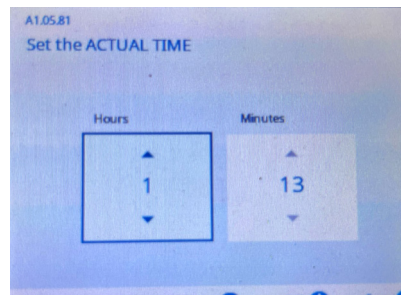
Set the date 20



16 Select analog



Set the actual time 21



Xylem | 'zīlām|

- 1) the tissue in plants that brings water and nutrients upward from the roots.
- 2) a leading global water solutions company.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

For more information on how Xylem can help you, visit xylem.com.

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The Xylem logo, consisting of the word "xylem" in a lowercase, blue, sans-serif font.