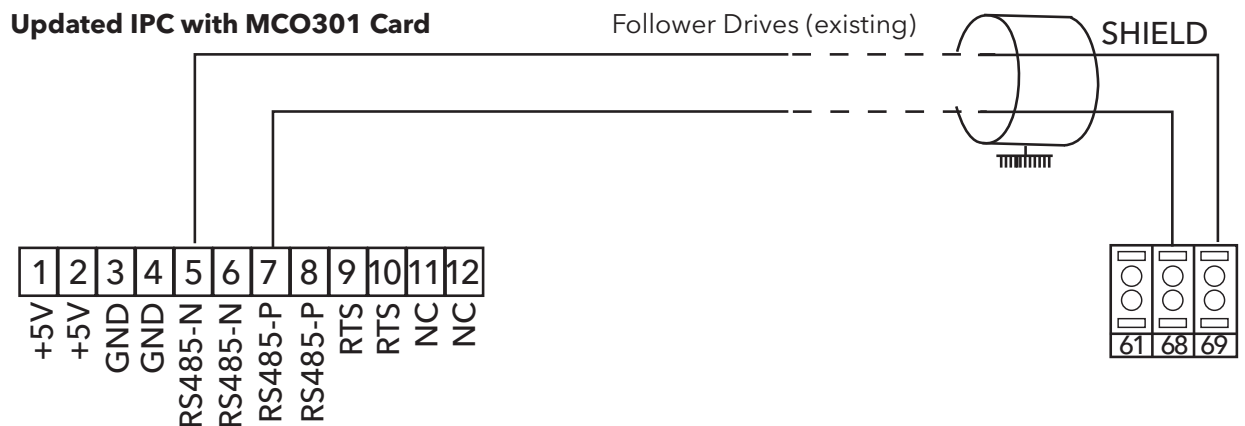


AQUAVAR® IPC Backward Compatibility for Duplex

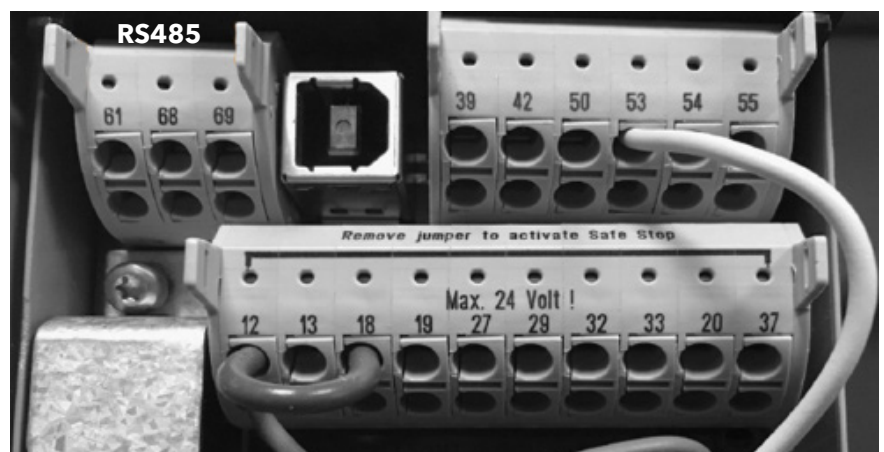
WIRING (should be completed):

- Terminal # 5 from the MCO301 card to #69 on the RS485 on your other drive.
- Terminal #7 from the MCO301 card to #68 on the RS485 on your other drive.
- Please note only one transducer is required. The transducer will be wired into the master drive.



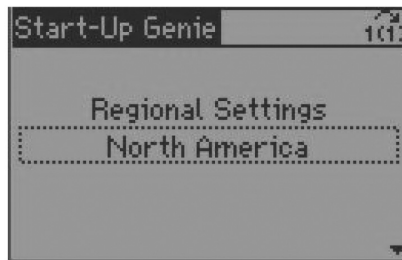
Install Transducer Cable on Master Drive:

- Brown on Terminal 12 (24V)
- White on Terminal 53 (4-20MA)
- Place ground shield between spring clip and shielded cable.



PROGRAMMING MASTER DRIVE:

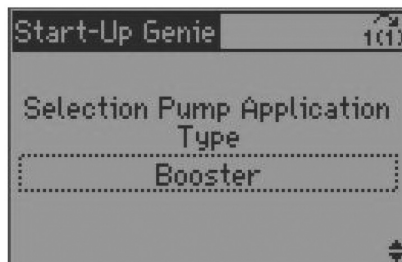
Perform three finger reset (Status + Main Menu + OK) while powering on.



Select North America



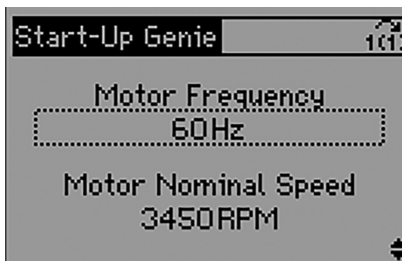
Select English US



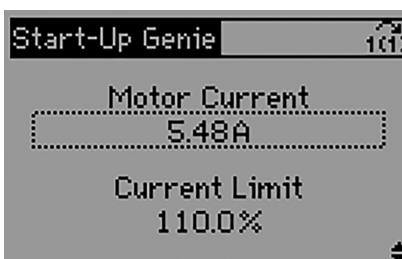
Select booster or HVAC



Select motor power and voltage

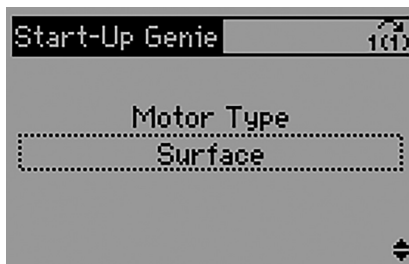


Select frequency and motor speed



Input motor current and current limit

PROGRAMMING MASTER DRIVE: (cont.)



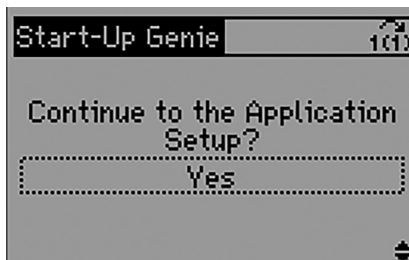
Select motor type



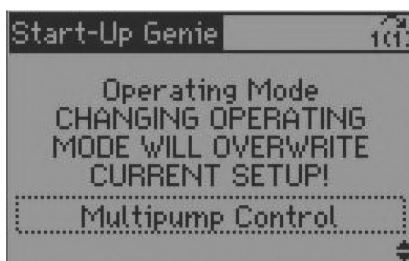
Select 30 hz for sleep frequency / low limit



Select filter type if applicable



Select yes to continue the application setup



Select multi-pump control

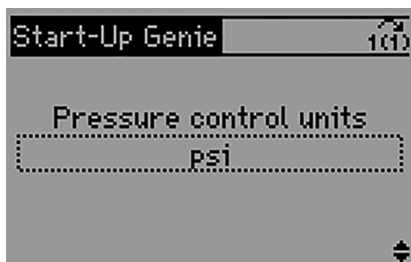


Select fixed master synch

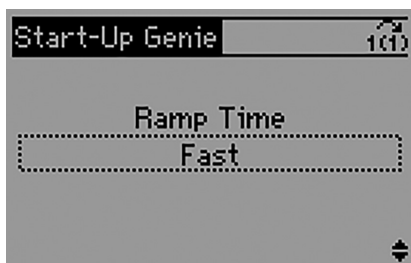
PROGRAMMING MASTER DRIVE: (cont.)



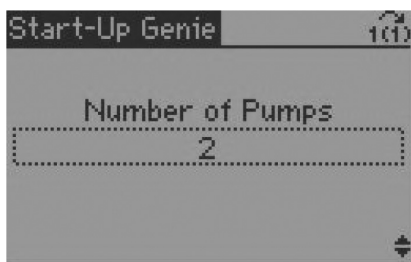
Select constant pressure for application type



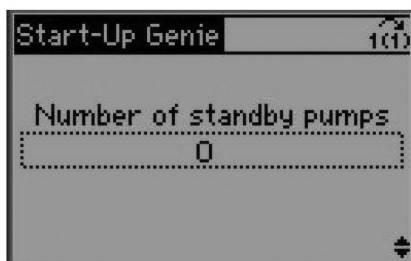
Select psi for pressure control units



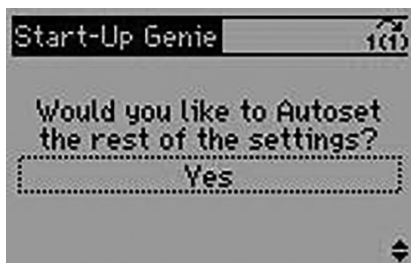
Select fast for ramp time



Select number of pumps (up to 4 total)



Select 0 for standby pumps

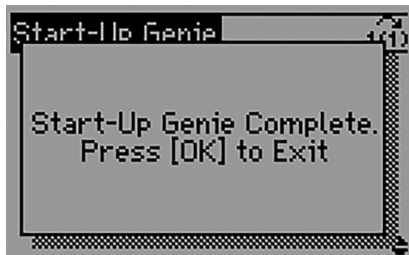


Select yes for autoset

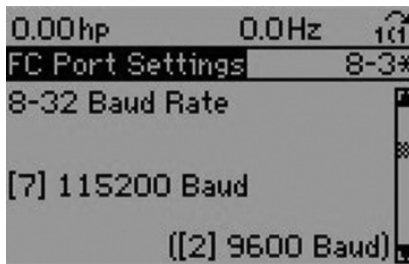
PROGRAMMING MASTER DRIVE: (cont.)



Enter setpoint



Scroll through and acknowledge your autoset parameters (total of four screens) and press Ok to complete your start-up genie



Go into Menu 8-32 and change the baud rate to (7) 115200

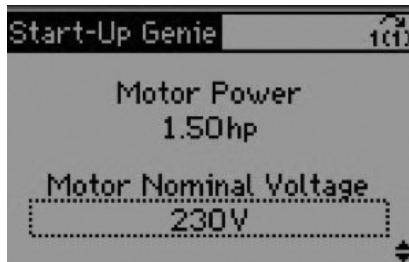
Press status key to exit to main screen

INSTRUCTIONS FOR PROGRAMMING FOLLOWER DRIVE:

For other drives, perform three finger reset (Status + Main Menu + OK) while powering on.

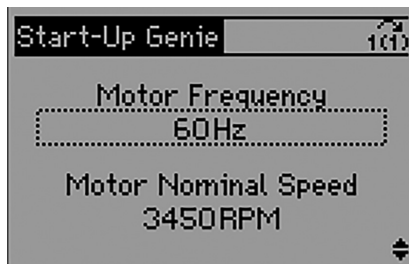


Select your language

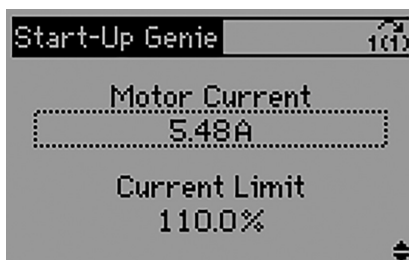


Select yes to run the start-up genie

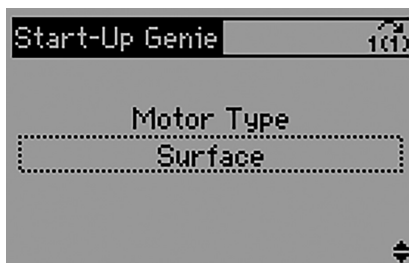
Complete the motor setup by inserting all motor parameters



Select frequency and rpm



Select motor current and current limit

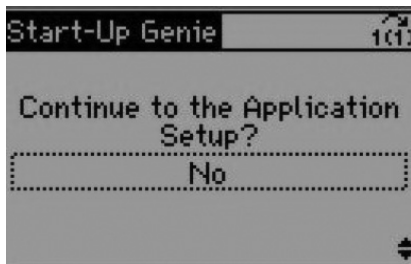


Select motor type



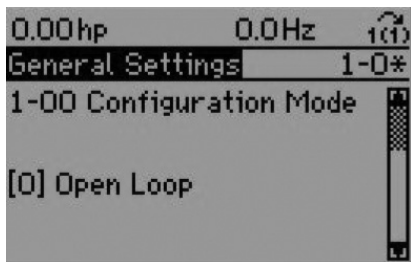
Select 30 hz for sleep frequency / low limit

INSTRUCTIONS FOR PROGRAMMING FOLLOWER DRIVE: *(cont.)*

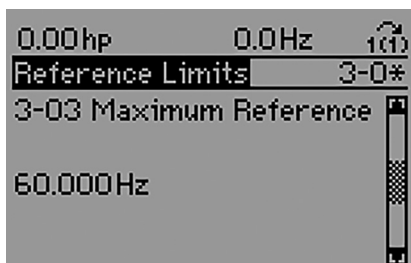


Select no for continue to the application setup

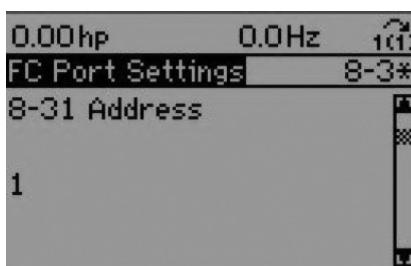
Press status key to exit to main screen



Go to the main menu and menu 1-00 and select (0) open loop



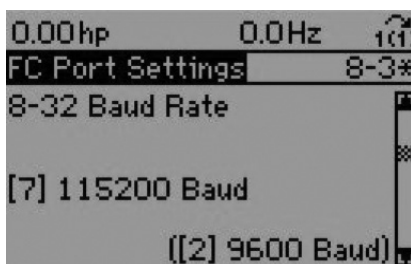
Menu 3-03, set to 60 Hz



Menu 8-31 select the address for the drives (up to four)

Master should always be address #1

Second drive would be address #2

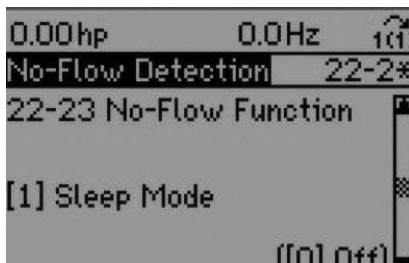


Menu 8-32 select (7) 115200 for baud rate

INSTRUCTIONS FOR PROGRAMMING FOLLOWER DRIVE: (cont.)

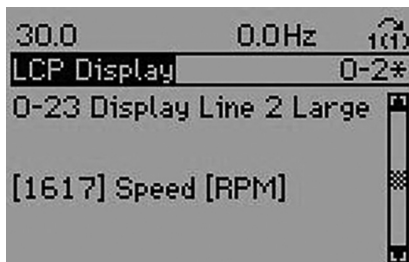


Menu 6-17 select (0) disabled



Menu 22-23 no flow detection

Select (1) sleep mode



Change 0-23 display line large to (1617) speed RPM

Power cycle drives so they can then synchronize together and establish communication.

Press Auto on all drives.

Xylem Product Cybersecurity:

Xylem values your system security and the availability of your critical services. For more information on Xylem cybersecurity practices or to contact the cybersecurity team please visit xylem.com/security.



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