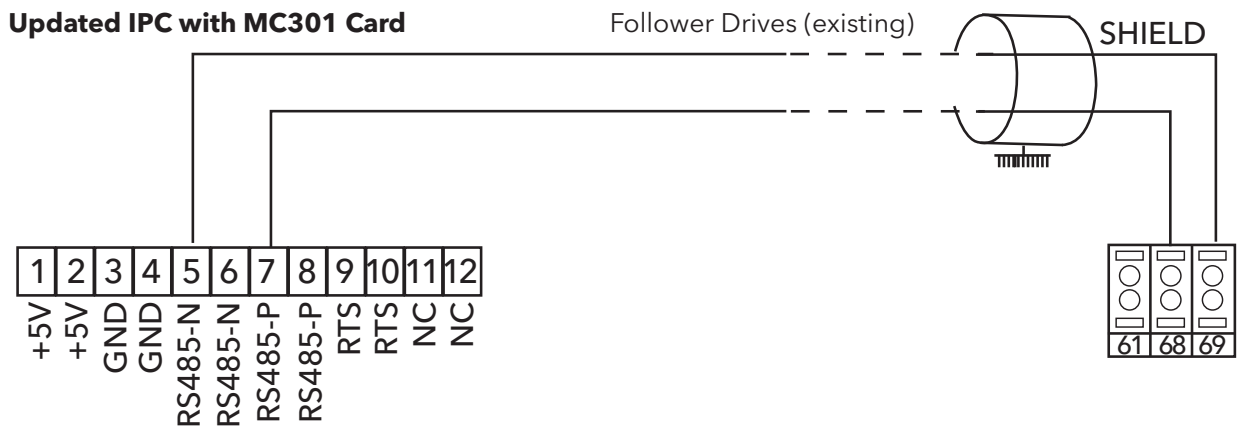




# Technologic IPC Backward Compatibility for Duplex

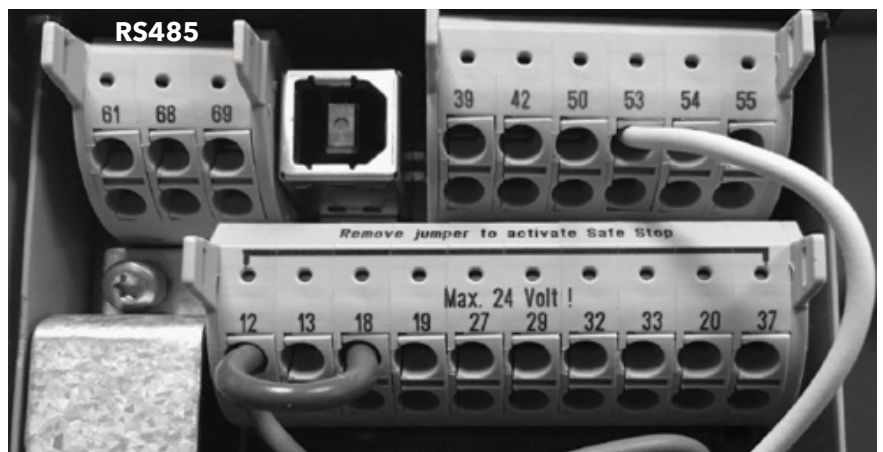
## WIRING (should be completed):

- 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:

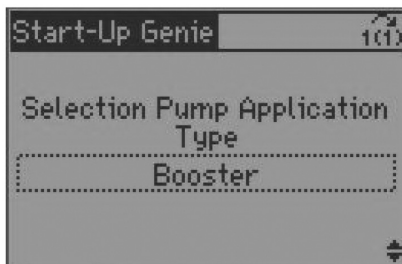
Perform three finger reset (Status + Main Menu + OK) while powering on.



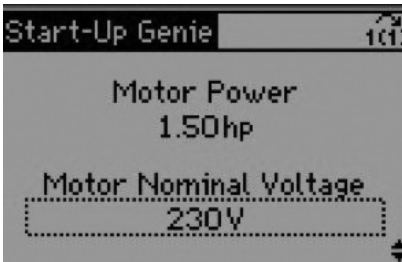
Select North America



Select English US



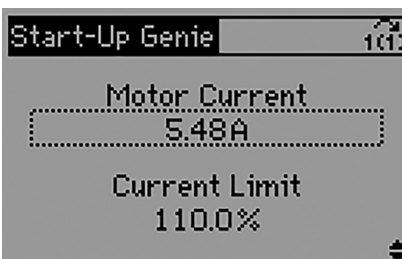
Select booster or HVAC



Select motor power and voltage

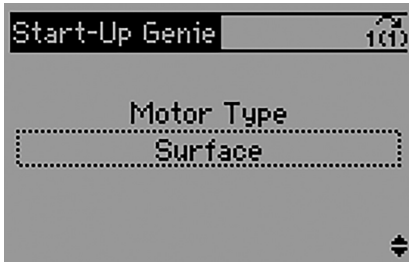


Select frequency and motor speed

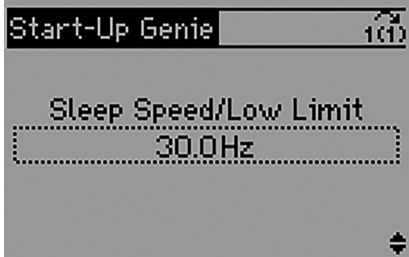


Input motor current and current limit

## PROGRAMMING MASTER DRIVE: (cont.)



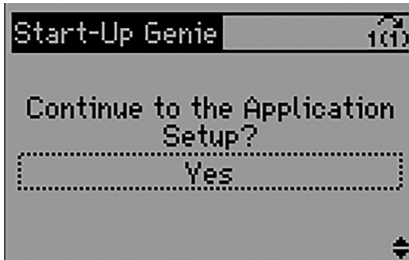
Select motor type



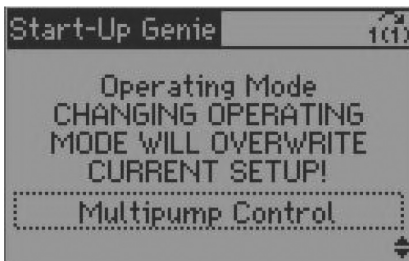
Select 30 hz for sleep frequency / low limit



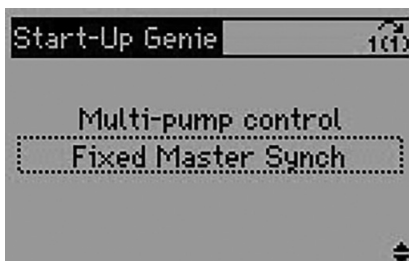
Select filter type if applicable



Select yes to continue the application setup

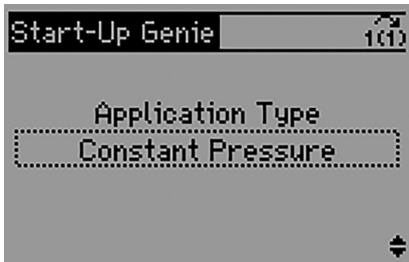


Select multi-pump control

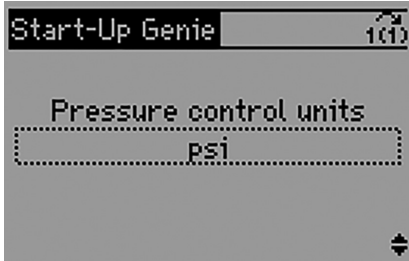


Select fixed master synchron

**PROGRAMMING MASTER DRIVE: (cont.)**



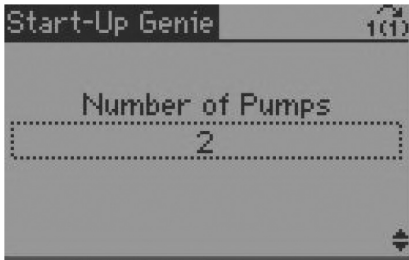
Select constant pressure for application type



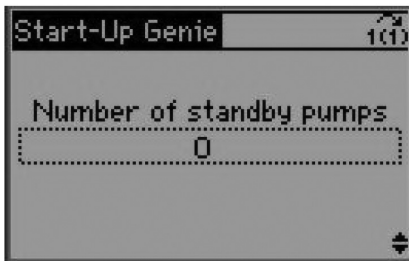
Select psi for pressure control units



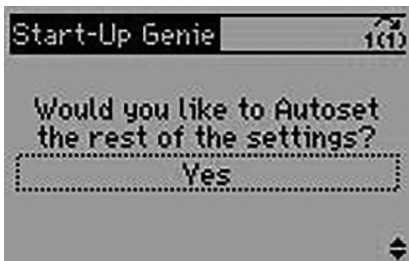
Select fast for ramp time



Select number of pumps (up to 4 total)

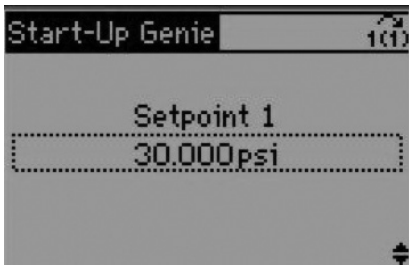


Select 0 for standby pumps



Select Yes for autoset

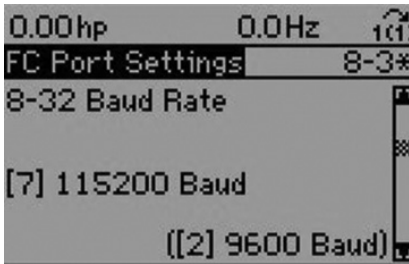
## PROGRAMMING MASTER DRIVE: (cont.)



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

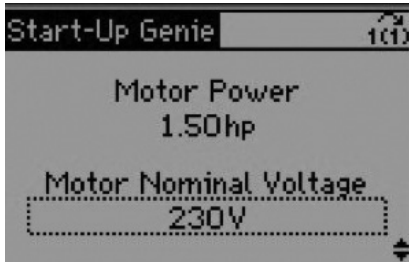
Press status key to exit to main screen

## INSTRUCTIONS FOR PROGRAMMING FOLLOWER DRIVE:

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



Select your language

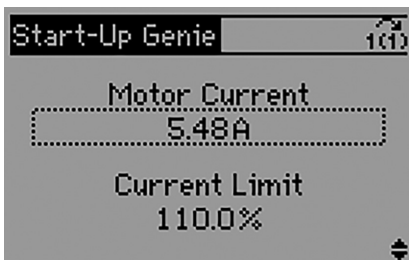


Select yes to run the start-up genie

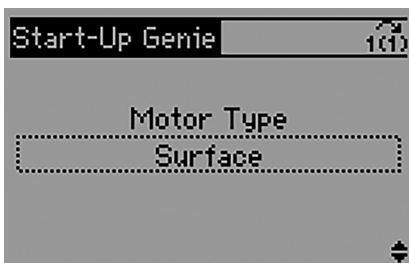
Complete the motor setup by inserting all motor parameters



Select frequency and rpm



Select motor current and current limit

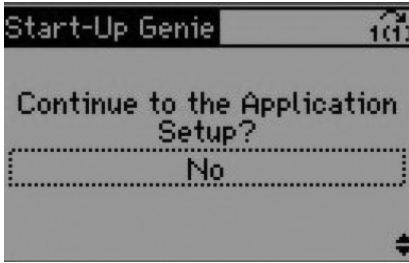


Select motor type



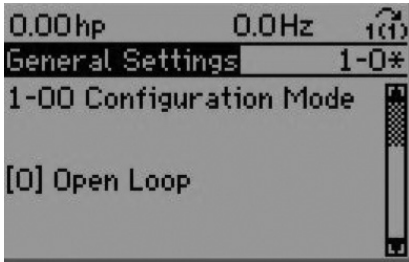
Select 30 hz for sleep frequency / low limit

# INSTRUCTIONS FOR PROGRAMMING FOLLOWER DRIVE: (cont.)

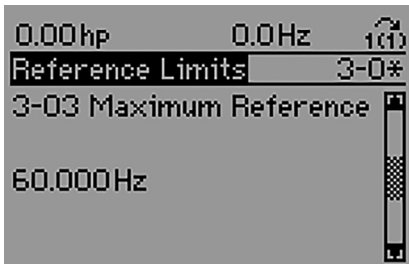


Select no for continue to the application setup

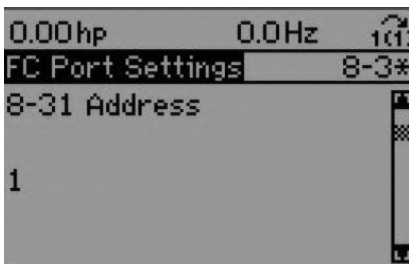
Press status key to exit to main screen



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



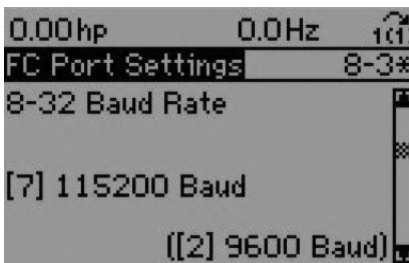
Menu 3-03, set to 60 Hz



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

Master should always be address #1

Second drive would be address #2

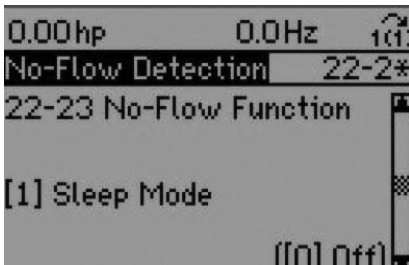


Menu 8-32 select (7) 115200 for baud rate

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

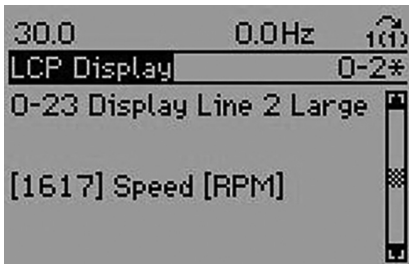


Menu 6-17 select (0) disabled



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 Inc.

2881 East Bayard Street Ext., Suite A, Seneca Falls, NY 13148

Phone: (866) 673-0445 Fax: (888) 322-5877

[www.xylem.com/bellgossett](http://www.xylem.com/bellgossett)

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