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
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
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
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.