



SERVICE BULLETIN

Subject: DBA Phoenix-S Model C Float & Program Update Notification Date: 9/16/02

Distribution: All DBA Phoenix-S Model C Customers BulletinNo. CEB02-10

This procedure is designed to eliminate an Error Message that might occur due to an intermittent float switch signal coming from the float that is mounted in the roto-molded conditioner tank (This applies to machines with serial numbers: PXS-2907 to PXS-2976). This float needs to be rotated and the way the PLC program handles the signal must be updated if this error is occurring even though the tank is full of conditioner. (There is a keypad overlay on page 2 that will have to be cut out and placed on the keypad to make these changes.)

Read all instructions before beginning this procedure:

1. The float is threaded into the side of the tank with the arrow pointing toward the bottom of the tank. The float needs to be rotated 180-degrees clockwise until the arrow points towards the top of the tank.
2. Flip the dipswitches on the PLC so only the #3 switch is in the "ON" position. Make sure #1 and #6 are "OFF".
3. Turn the programming key in the keypad to PROGRAM and press CHANGE until the following appears:

PROGRAM BZ

4. Press these keys in the following sequence:
SET
RESET
5764
WRITE

The display will change to:

00000

5. Continue by pressing the following keys:
SHIFT
CONT
2
SEARCH

6. Continue to press SEARCH until the screen displays:

05515 CONT SRCH LD 00002	OR	05527 CONT SRCH LD 00002
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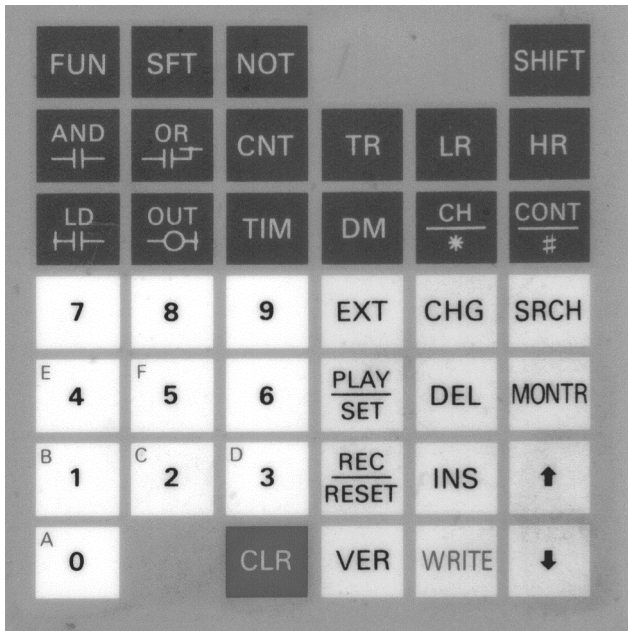
Then press the following:

LD
NOT
2
WRITE

The display will change to:

05516READ AND HR0000	OR	05528READ AND HR0000
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CUT OUT THE FOLLOWING GRAPHIC AND PLACE ON KEYPAD



7. Down Arrow (EXIT I/O) until you get to

05522READ AND NOT 00002	OR	05534READ AND NOT 00002
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Then press the following:

AND
2
WRITE (The following will appear)

05523READ KEEP (011) HR 201	OR	05535READ KEEP (011) HR 201
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8. Turn back the key to monitor, flip dipswitch #1 back to the “ON” position.
9. Your machine’s program version will have to be updated manually to reflect the change in the float orientation. Use the following steps to make the change.

Press the CHANGE key until the following appears on the screen

<MONITOR> BZ

Then press:

CLR (The following will appear)

00000

Then press:

DM (The following will appear)

**00000
CHANNEL DM 0000**

Then press:

1015 (The following will appear)

**00000
CHANNEL DM 0000**

Then press:

MONTR (The following will appear)

**D1015
3031**

Then press:

CHG (The following will appear)

**PRES VAL?
D1015 3031????**

Then press:

3032 (The following will appear)

**PRES VAL?
D1015 0000 3032**

Then press:

WRITE (The following will appear)

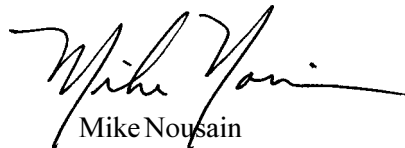
**D1015
3032**

10. Flip the #6 dipswitch back to the “OFF” position.
11. Input #2, which controls the switch, will now light on the PLC when the tank is full and go off when it is empty. This is opposite of the way it previously operated. Run the machine for a few test lanes and observe.

Note: After making this change the program version will flash S3002 on the screen. This is normal. The program does this to show the program version was changed in the field and not at the factory.



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If you need technical support on any lane maintenance products:
Call DBA Customer Service at 1-800-323-8141 (option #1 & option #3) or
internationally at 1-231-725-4966 or contact via e.mail at
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