



Technical Service Information Bulletin

PMP Electrical Current Threshold

Name: PMP Electrical Current Threshold
Date: August 2, 2024
Bulletin Name: MXR-TSIB-039
Model: Bridgemaster™ and Standard Rear Discharge Mixers
Model Years: 2023-2024
Units Affected: Units built between April 1, 2023 and July 19, 2024

Purpose:

Revolution Concrete Mixers provides these instructions for inspecting and adjusting the charge and discharge electrical current threshold on mixers with PMP hydraulic pump and motor.

Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

Tools and Equipment Required:

Not Applicable

Parts Required:

Not Applicable

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Procedure:

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 as appropriate. Chock wheels and place transmission in neutral with the parking brake engaged.

1. Turn the truck on with the engine off.
2. Once the home page on the INSIGHT display is shown, tap the 'gear icon' on the top left of the screen to enter the Administrator Menu Screen and then tap the 'Login' button.

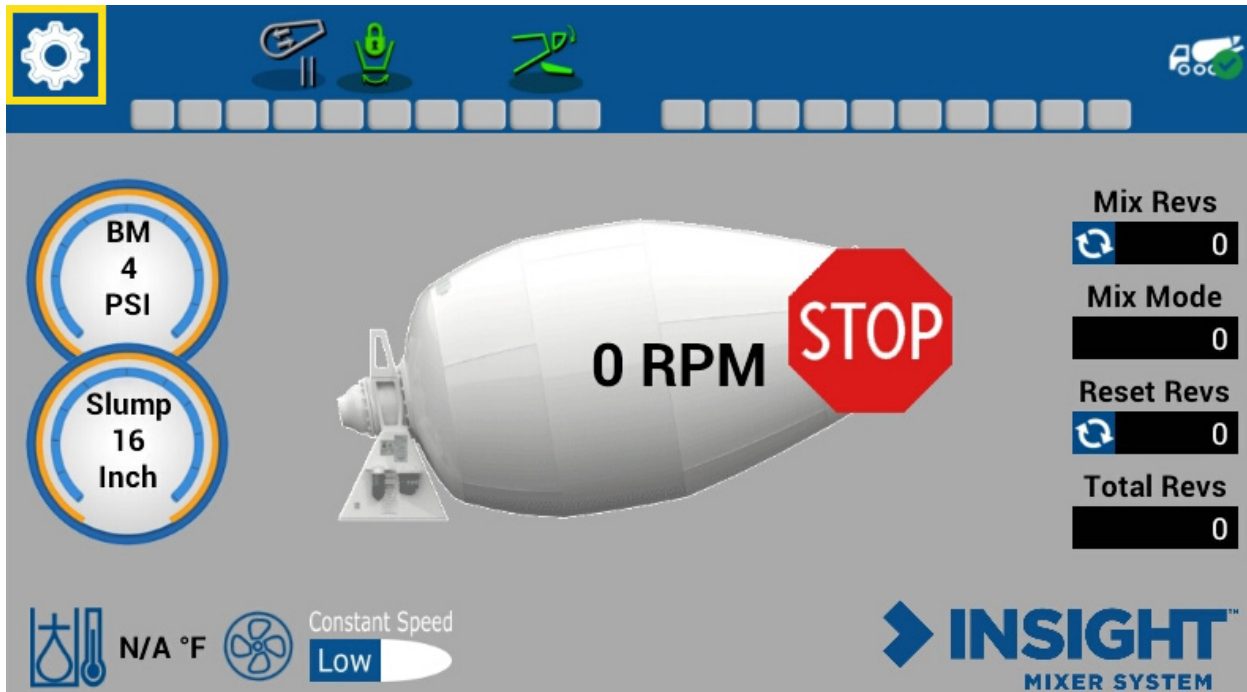


Figure 1

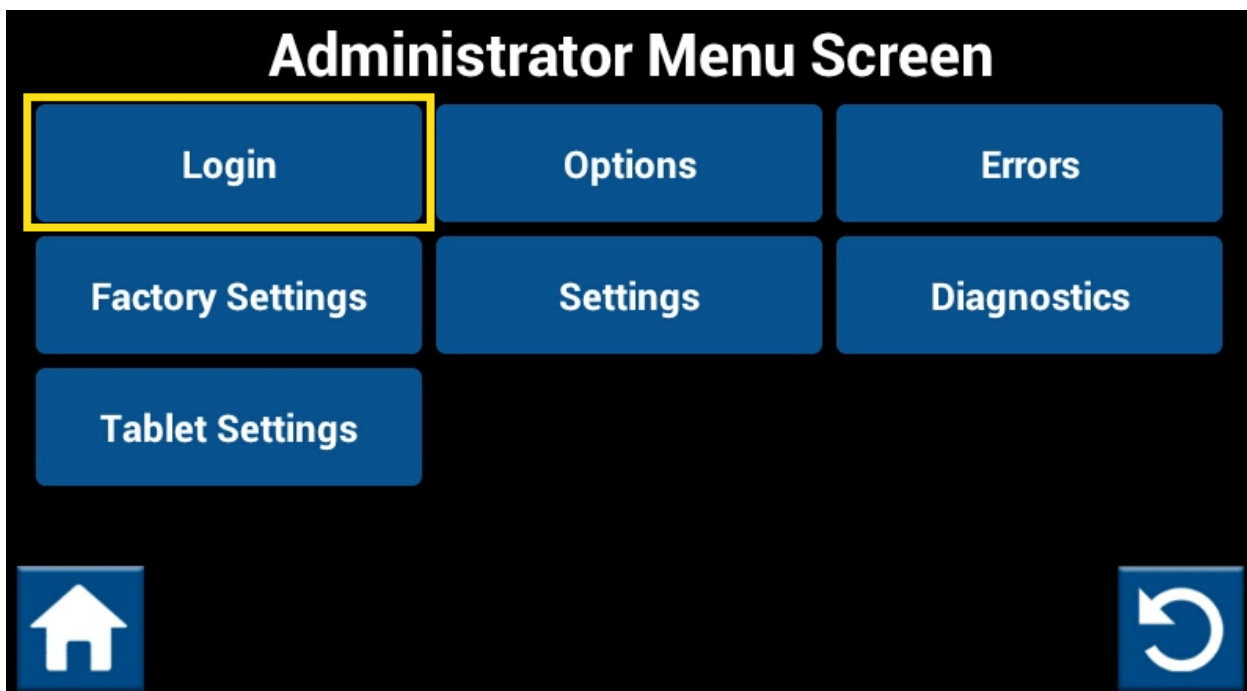


Figure 2

3. On the Login Screen, record the controller and display software versions. To obtain the username and password, please email the controller and display software versions to warranty@revolutionmixers.com or call (855) 202-6491.

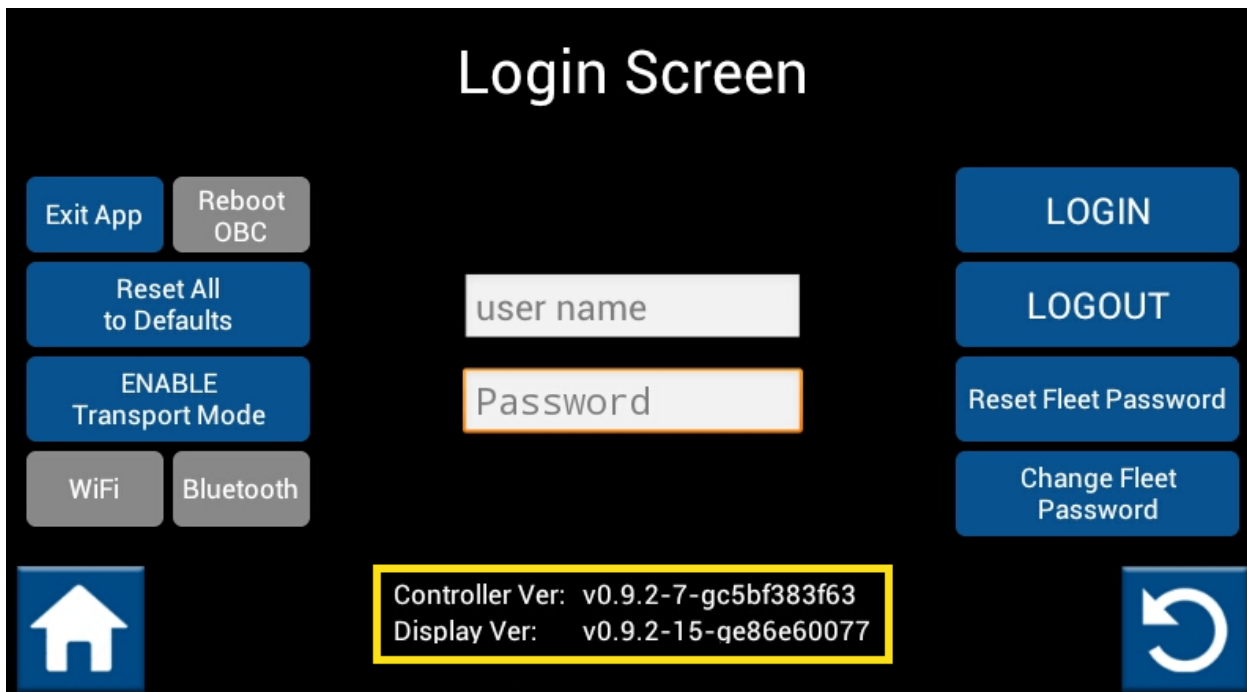


Figure 3

4. Enter the username and password on the 'Login Screen'. Once this is entered, tap the 'LOGIN' button. After a successful login there will be a message displayed on the bottom of the screen that states '(CAN) Logged In As - ...'

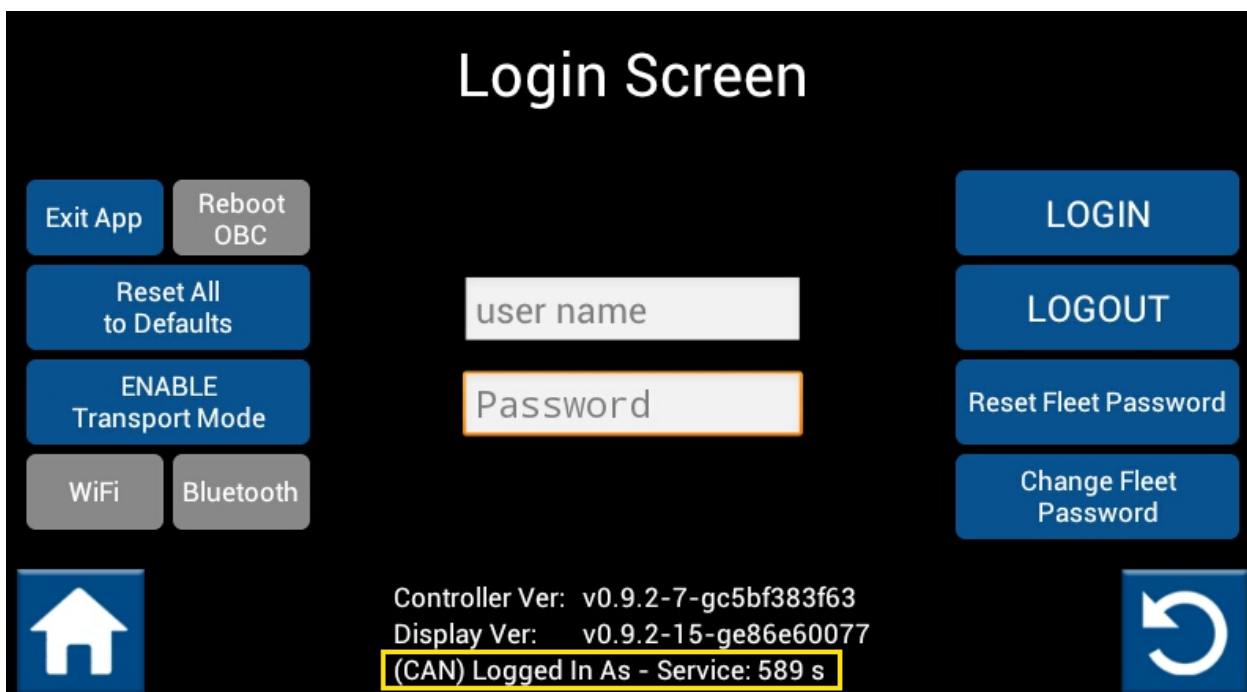


Figure 4

5. After logged in, tap the 'back arrow' button on the bottom right of the screen to go to the Administrator Menu Screen.

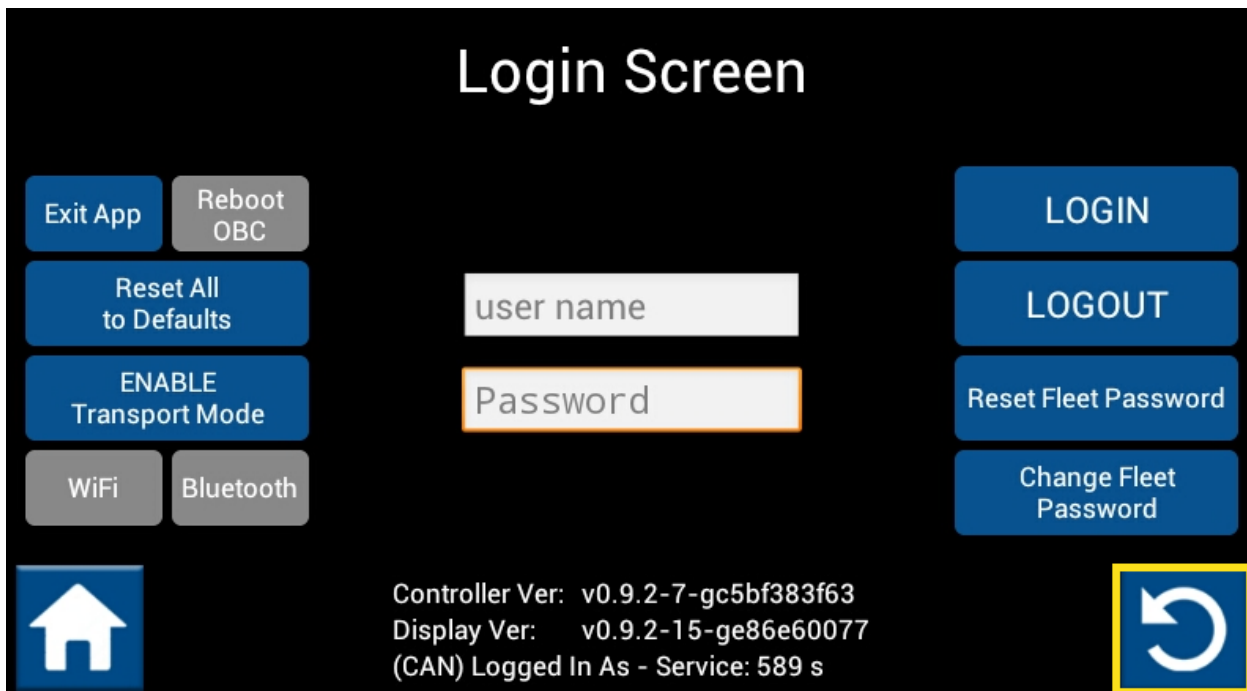


Figure 5

6. From the Administrator Menu Screen tap the 'Options' button to enter the Options Menu Screen. In the Options Menu Screen tap the 'Drum' button.

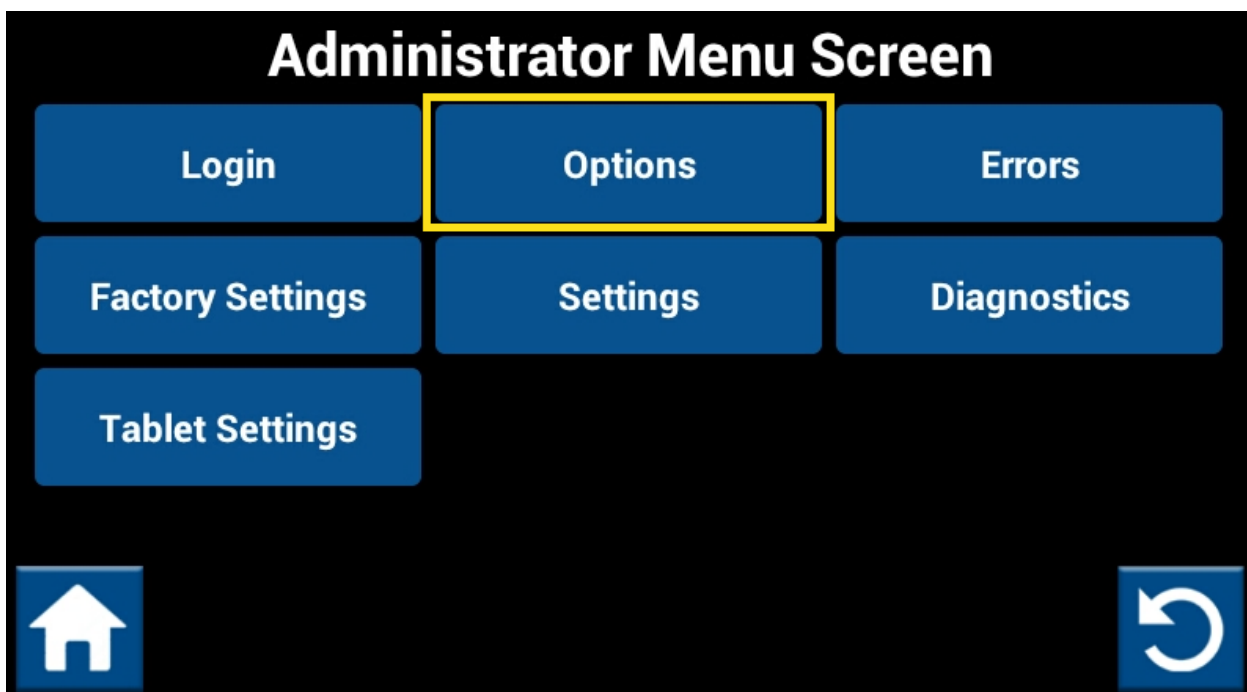


Figure 6

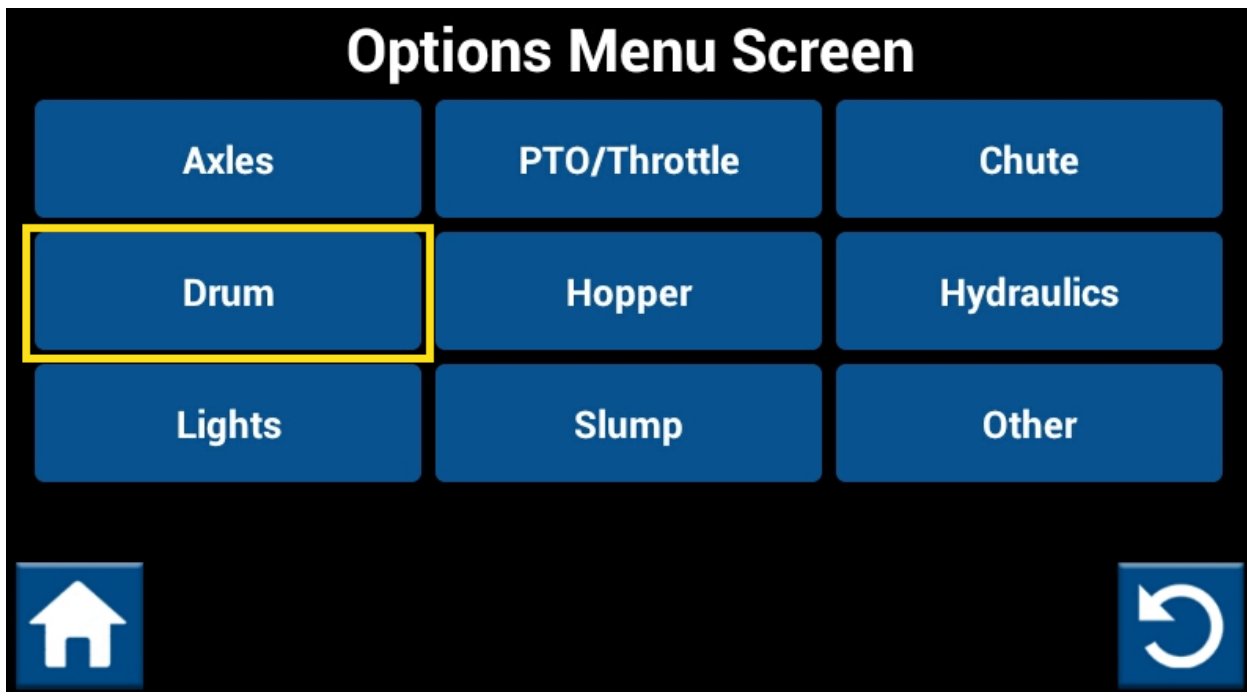


Figure 7

7. Navigate to the drum parameter screen by tapping the right arrow on the bottom of the Drum Options Screen-1 and Drum Options Screen-2.

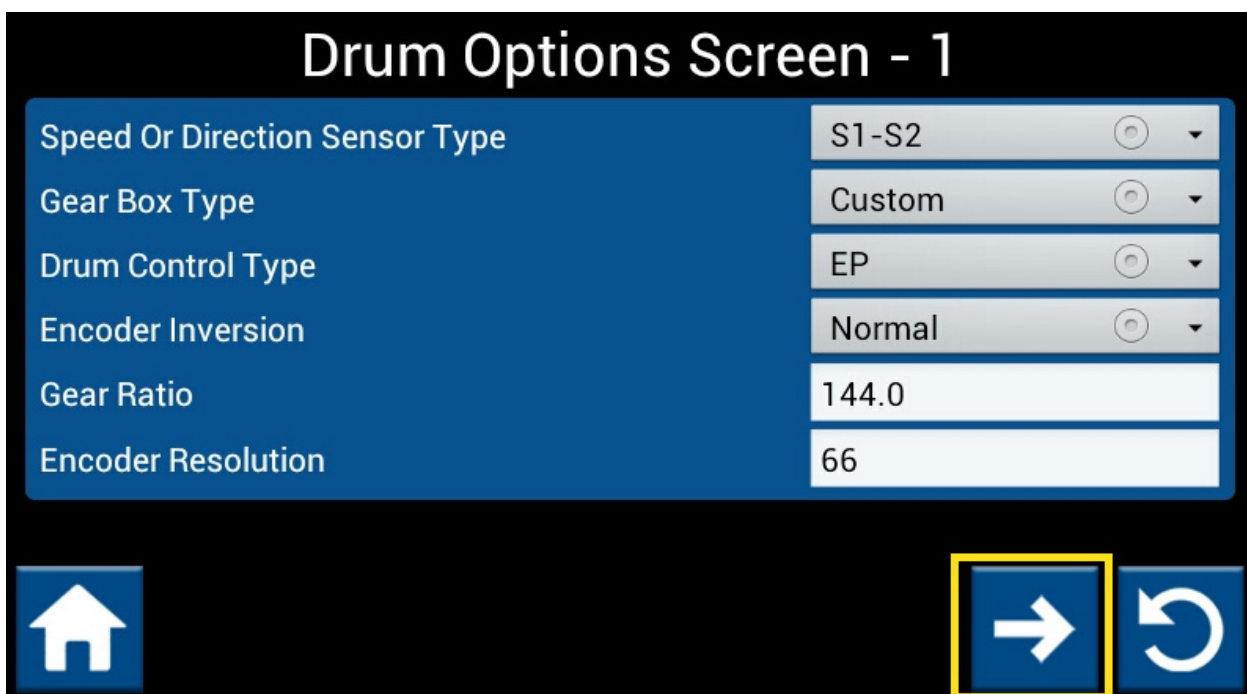


Figure 8

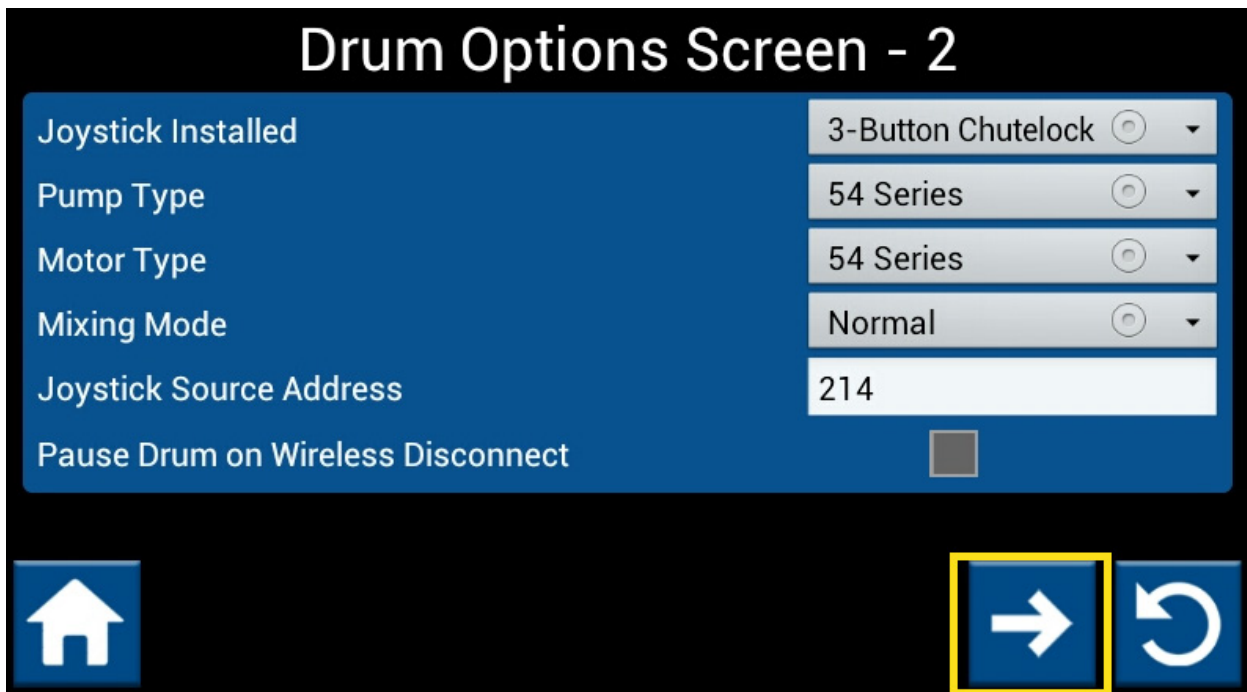


Figure 9

8. In the drum parameter screen change the 'Charge Threshold (mA)', 'Maximum Charge (mA)', 'Discharge Threshold (mA)' and 'Maximum Discharge (mA)' to match the values below by tapping the numbers and typing in the new values.

Charge Threshold (mA)	300
Maximum Charge (mA)	1200
Discharge Threshold (mA)	300
Maximum Discharge (mA)	1200

Drum Parameter Screen

Maximum Drum Speed (RPM)	18.0
Charge Threshold (mA)	300
Maximum Charge (mA)	1200
Discharge Threshold (mA)	300
Maximum Discharge (mA)	1200
RePTO Ratio	1.3



Figure 10

9. Tap the right arrow in the bottom right corner to have the setting changes saved and go to the Buildup Detection Settings screen.

Drum Parameter Screen

Maximum Drum Speed (RPM)	18.0
Charge Threshold (mA)	300
Maximum Charge (mA)	1200
Discharge Threshold (mA)	300
Maximum Discharge (mA)	1200
RePTO Ratio	1.3



Figure 11

10. Tap the back arrow button in the bottom right corner to go to the Options menu screen.

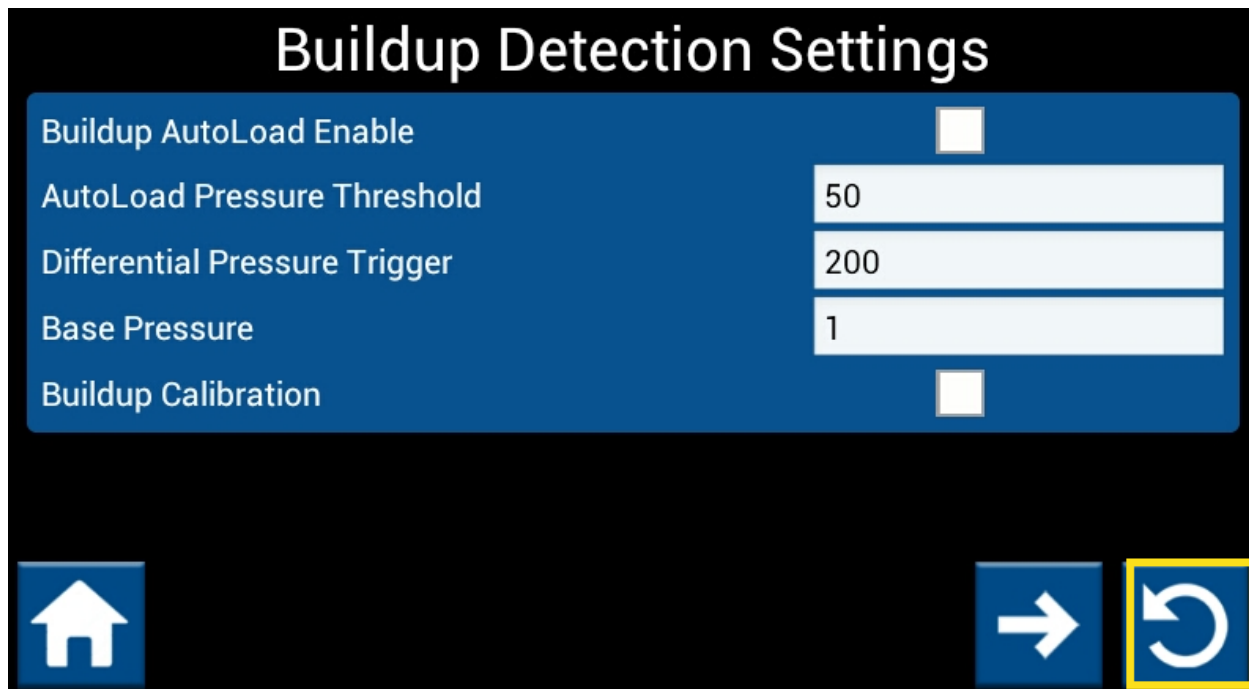


Figure 12

11. Tap the back button in the bottom right corner of the screen to go to the Administrator Menu Screen.

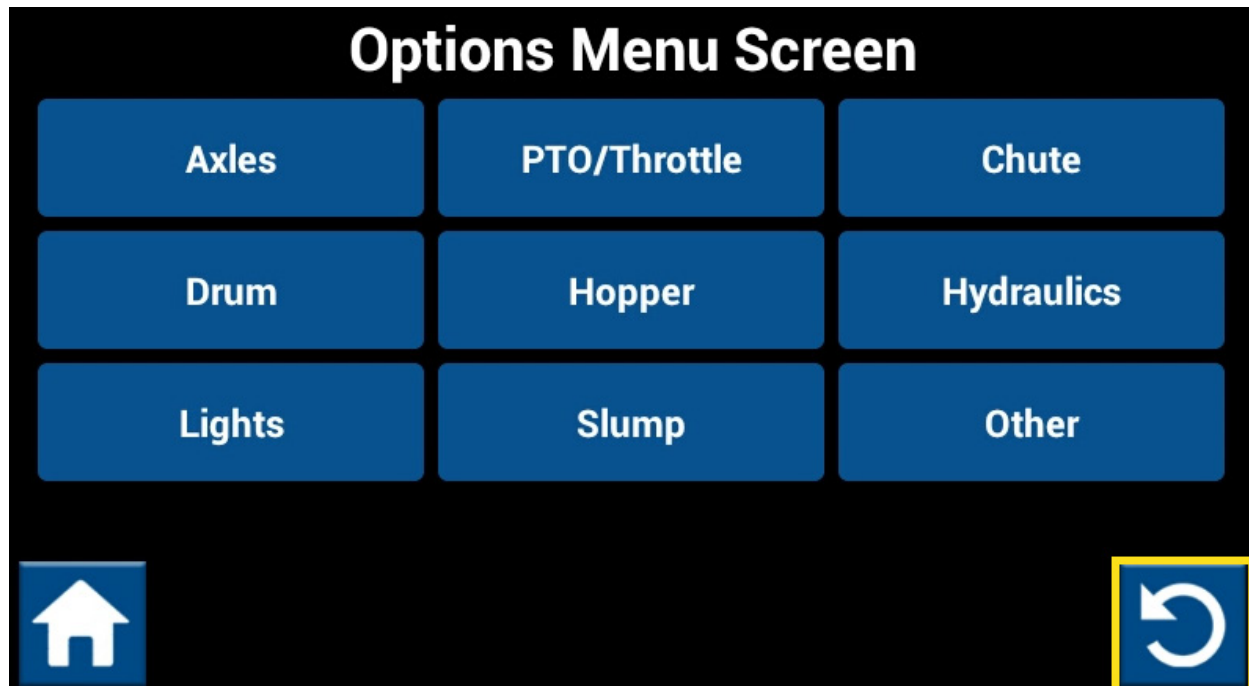


Figure 13

12. Tap the Login button on the Administrator Menu Screen to get to the Login Screen. In the login screen tap the Logout button and then tap the home button to get the home screen.

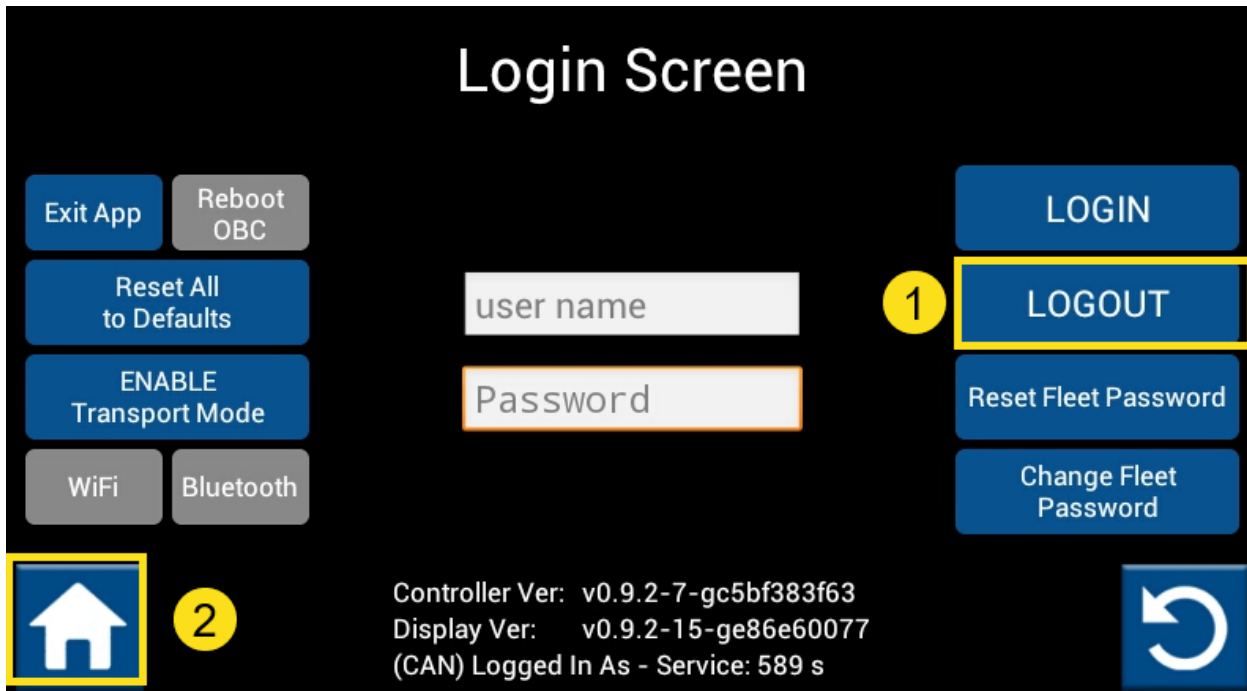


Figure 14

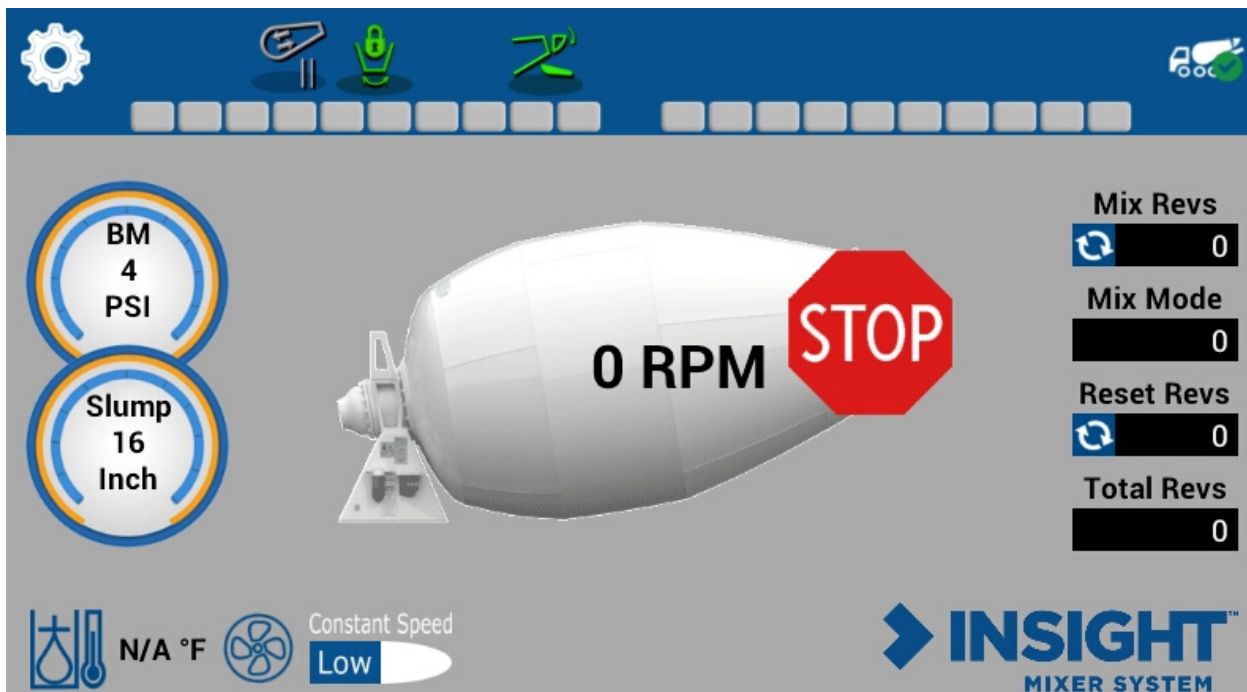


Figure 15

13. The procedure is complete. Remove your company's Lockout/ Tagout procedure. If your company does not have a Lockout/ Tagout procedure, follow OSHA 1910.147 as appropriate.