

LMR Plus Electric Fire Pump Controllers Pressure Transmitter Calibration Procedure

The following instructions outline the procedure on how to recalibrate the Pressure Transmitters on the LMR Plus Electric Fire Pump Controllers.

WARNING

This procedure should only be completed by qualified personnel.

LMR Plus Electric Controllers

1. Press the MENU button.
2. If a Password has been enabled – enter password.
3. Press the Down arrow key until the words SYSTEM CONFIGURATION appear on the second line of the controller. (This line will have the symbol > in front of the text).
4. Press the ACK. Button.
5. You will be prompted to enter a password to access the system configuration section of the menu.
6. Press the buttons: DOWN, UP, RESET, LAMP TEST in sequence.
7. The display should now display the symbol > beside FOAM PUMP CONTROLLER: DISABLED.
8. Press the Down arrow button once. The symbol > should now be located next to CALIBRATE PRESSURE TRANSMITTER. – Press the ACK Button.
9. The display should now read: CALIBRATE USING CURRENT PRESSURE – or – CALIBRATE USING 0 PSI. At this point, a decision must be made on which method to use for calibration. CALIBRATE USING CURRENT PRESSURE allows the user to reset the controller display to match supplementary controller display readings on the system. CALIBRATE USING 0 PSI allows the user to calibrate the transmitter from a known start point.
10. To calibrate the transmitter to the existing system pressure, select CALIBRATE USING CURRENT PRESSURE – Press the ACK Button.

The display should now read: SET PRESSURE: ___ PSI. Set the pressure to the existing system pressure and then press the ACK button.

The display should read CALIBRATION COMPLETE.

Following a one second delay, the initial calibration screen will be displayed.
11. To calibrate the transmitter to a known set point, select CALIBRATE USING 0 PSI by pushing the ACK button.

The display now prompts the user to LOWER THE SYSTEM PRESSURE TO 0 PSI and PRESS ‘ENTER’ WHEN 0 PSI IS ACHIEVED. Once the pressure has been dropped to zero psi, press the ACK button (the ACK button is considered to perform an ENTER function).

The display should read RETURN NORMAL PRESSURE TO THE SYSTEM - ADJUST THIS SETTING TO MATCH THE ACTUAL SYSTEM PRESSURE: ___ PSI

Using the Up or Down Arrow buttons, adjust the pressure being displayed on line 3 of the display to read the same as the system pressure (___ PSI). Then push the ACK button.

The display should read CALIBRATION COMPLETE.

Following a one second delay the initial calibration screen will be displayed.
12. Press the RESET key to go back to the Automatic Mode. ***WARNING*** If the pressure is below the start point the controller will automatically start the motor.