

Calibration of the New Design LBW-50. This unit features a power lamp, a service lamp that will be on while we calibrate. Early warning light, second light from the bottom; an amber lamp, and the alarm lamp on the very top that's larger than the rest of the lamps. On the inside, we have a test button, that when it is pushed should turn all the lights on and energize the relays. We also have adjustment potentiometers, one is POT1; this is the setting for the early warning that is set at the factory and not adjustable in the field. Then, we have POT2, which is the alarm setpoint adjustment. The switch right here is for service mode. Anytime we are going to do the calibration or the testing and do not want to set off the alarm, we put it into service mode by sliding the switch up. When that happens, an indicator light on the front shows that we're in service mode. So, now we can do the calibration. For the calibration, we are going to use a 100 PPM test bottle to calibrate to your alarm setpoint. Simply take the top off the test bottle. Wipe out the mouth and place it completely over the sensor. Wait approximately 30 seconds to 45 seconds. After that timeframe, you can then adjust the POT2, which is a finger adjustment. I will turn it clockwise to get that top light to come on. Counterclockwise to turn it off, clockwise to turn it on. When the calibration is complete and the lights are no longer lit up, we turn off the service switch. That concludes the calibration of the New Design LBW-50.