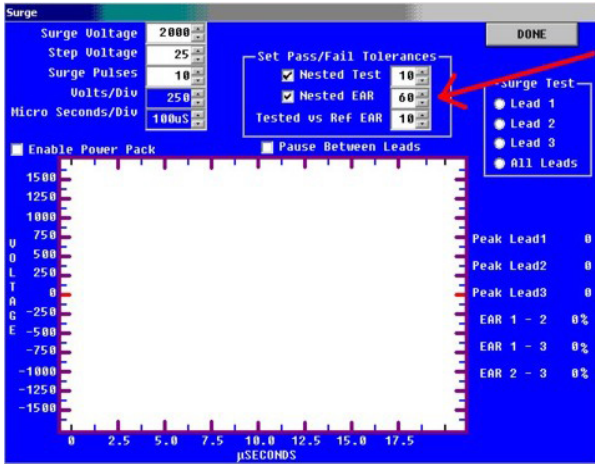




The following recommendations can improve the PASS/FAIL detection capacity of the Baker AWA, beyond factory default settings. There are two software packages, make sure you review what version of software your AWA has installed on it before making these changes.

AWA 3.03 and earlier:

1) For motors tested in service:



Edit the NESTED EAR (Error area ratio) test criteria by turning the NESTED EAR test ON for each of your test id's and set it to a value of 45. A value of 60 may be used for some applications. (Fig 1).

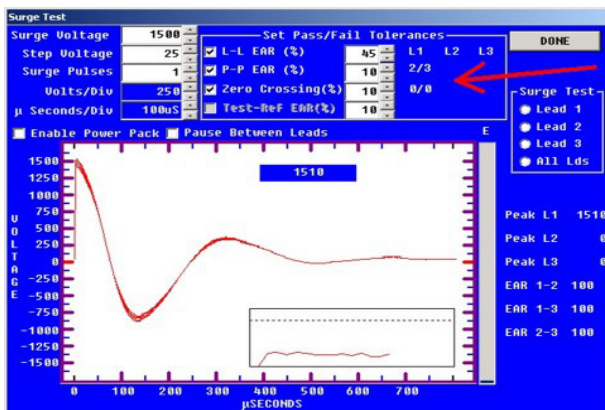
Edit the NESTED TEST to a value of 10. For AWA 3.03 and earlier this test is very similar to the ZERO CROSSING test of the AWA 4.15 and later.

2) For new motors without the rotor/motors without rotors in the repair shop:

The NESTED EAR should be set to a value of 10. (Fig 1)

The NESTED TEST should be set to a value of 10, or even less for certain winding configurations.

AWA 4.1.5 and later: (Fig2)



3) For motors tested in service:

Set L-L EAR (Line to Line EAR) to a value of 45. A value of 60 could be used for certain applications

Set P-P EAR (Pulse to PULSE EAR) to a value of 10, or even 3 for certain applications

Set ZERO CROSSING to a value of 10. Note that when using the PP30D Power PACK, that it may be necessary to turn the zero crossing off due to the manually controlled output causing nuisance trips. As long as the P-P EAR is still turned on the error detection of the AWA/PP30D combo will still detect any failures.

4) For new motors without the rotor/motors without rotors in the repair shop:

Set L-L EAR (Line to Line EAR) to a value of 10, or even less for certain winding configurations

The P-P EAR (Pulse to PULSE EAR) to a value of 10, or even 3 for certain applications. This would include stored reference waveforms.

Set ZERO CROSSING to a value of 10. Note that when using the PP30D Power PACK, that it may be necessary to turn the zero crossing off due to the manually controlled output causing nuisance trips. As long as the P-P EAR is still turned on the error detection of the AWA/PP30D combo will still detect any failures.