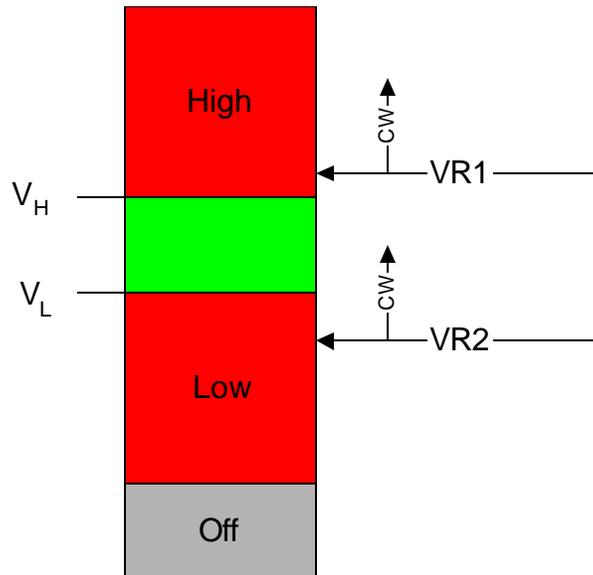


PHENIX Low Voltage Power Supply Window Detector Test Procedure

Revised 7/14/00

Configuration

1. Inspect the board for obvious damage or component errors.
2. Verify that the Unit Under Test is correctly configured for the desired operating voltage:
3 to 10V : Rx = 100
12V : Rx = 845
25V : Rx = 2.7K
48V : Rx = 5.6K
3. Install the UUT into the test fixture and switch on 24V power.
4. Set the Test Voltage to zero and observe that the LED is off and the DCOK output signal is zero (< 50mV).



High Limit

5. Set the Test Voltage to V_H and rotate VR1 CCW just until LED turns green (if it does not, rotate VR2 CW until it does).

Low Limit

6. Set the Test Voltage to V_L and rotate VR2 until LED is at the threshold between green and red.

Output Signal

7. Sweep the Test Voltage through V_L and V_H to verify the previous settings. While doing this verify that the DCOK signal switches from 0V (<50mV) for red indication to 24V (>23.75V) for green indication.
8. Place the tested board into a box marked with configuration range V_L and V_H .