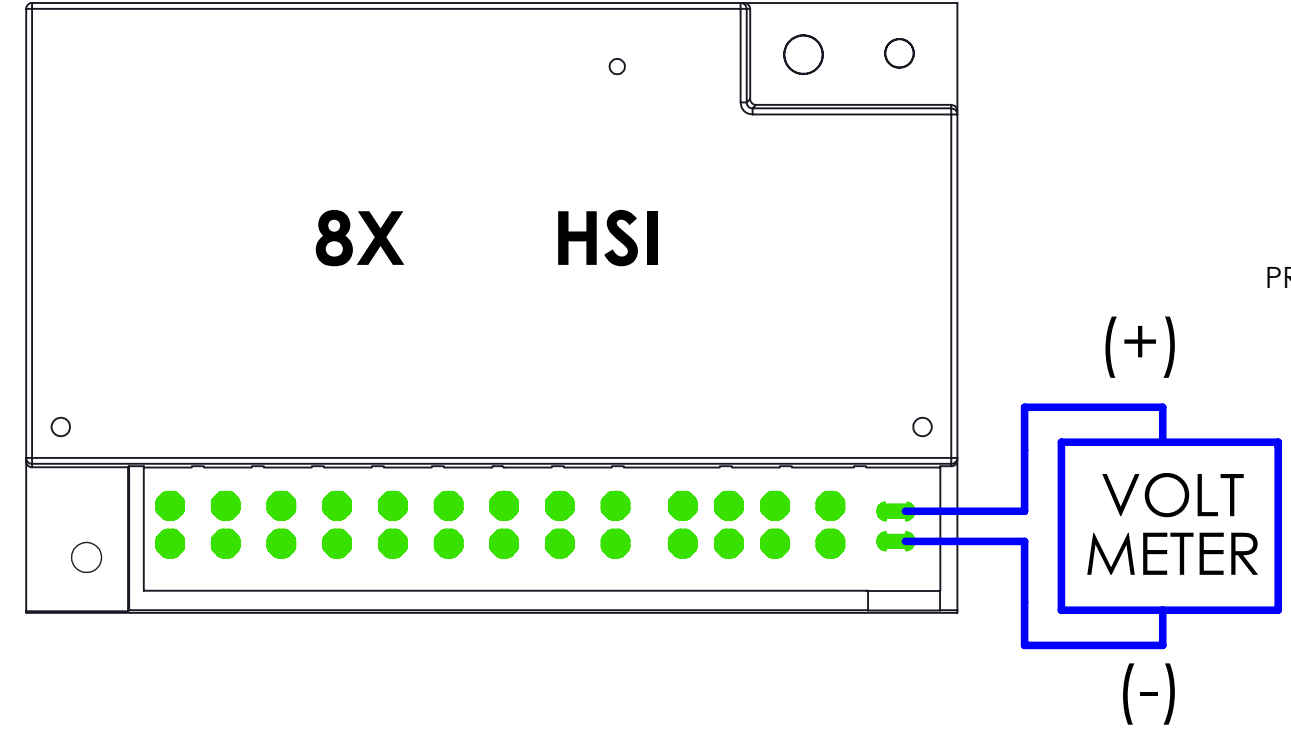


**SERIES 8X FLAME SIGNAL QUALITY MEASUREMENT**

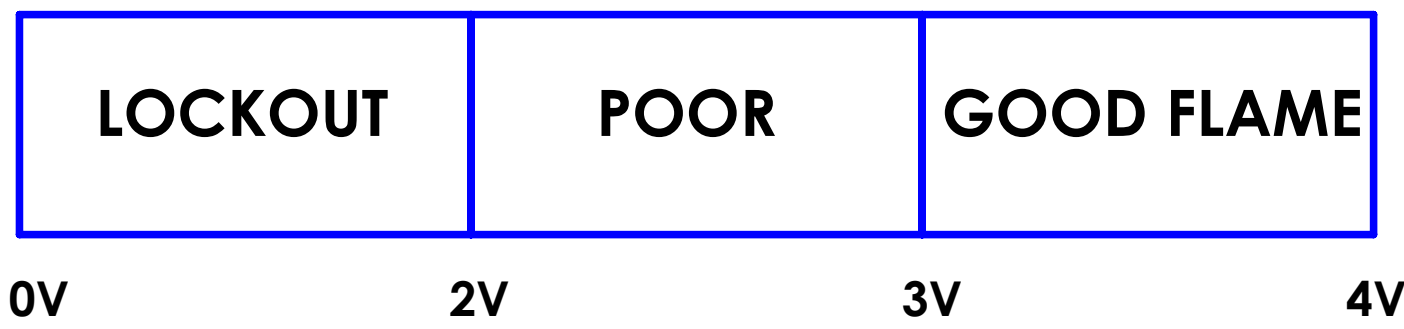


PURPOSE: PROCEDURE TO ADJUST "FLAME ELECTRODE (ROD) FOR MAXIMU SIGNAL LEVEL.

REQUIRED: 8X SERIES CONTROLLED INSTALLED IN APPLIANCE, AS REQUIRED. DIGITAL MULTIMETER.

- PROCEDURE:
1. POSITION "FLAME SENSOR" (ROD) WHERE BURNER FLAME IS LIKELY TO INTERSECT IT.
  2. CONNECT MULTIMETER (SET TO VDC) TO "FLAME SIGNAL" TERMINALS AS INDICATED. THIS MAY BE DONE WITH CONTROL POWERED-UP, OR WITH APPLIANCE AND CONTROL IN POWER OFF MODE.
  3. TURN ON APPLIANCE IF POWERED OFF STEP 2 AND WAIT FOR PREPURGE (IF APPLICABLE) AND HSI ELEMENT TO HEAT AND IGNITE GAS BURNER.
  4. OBSERVE BURNER FLAME (IF POSSIBLE) AND POSITION "FLAME SENSOR" (ROD) APPROXIMATELY 1/8" TO 1/4" INTO FLAME.
  5. NOTE FLAME SIGNAL VOLTAGE, REFER TO CHART 1.
  6. IF FLAME SIGNAL IS BELOW 3 VOLTS DC, REPOSITION "FLAME SENSOR" (ROD) TO READ GREATER THAN 3 VOLTS DC ON MULTIMETER.

**CHART 1**



**NOTE:**  
DUE TO CIRCUIT TOLERANCES, FLAME SIGNAL VOLTAGE MAY EXCEED 4VDC.

TOLERANCES UNLESS SHOWN OTHERWISE	REQ'D. MODEL	REQ'D. MODEL	REQ'D. MODEL	DRAWN AM	DATE 02/11/2016	TITLE <b>8X FLAME MEASUREMENT</b>
3 PLACE DECIMAL ±	NEXT ASSEMBLY	NEXT ASSEMBLY	NEXT ASSEMBLY	CHK'D	SCALE 1:1	
2 PLACE DECIMAL ±	MATERIAL			ENG'R	APP'D	
HOLES ±	HEAT TREAT					PART NO.
ANGLES ±	FINISH					REV.