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BULLETIN #159

SYNCHRO-PULSE CDT 450

FLICKERING BAR GRAPH DISPLAY

There have recently been a number of cases where the CDT 450 in its idle state has gone from its "ready" state display to a flickering "bar graph" display.

Example:



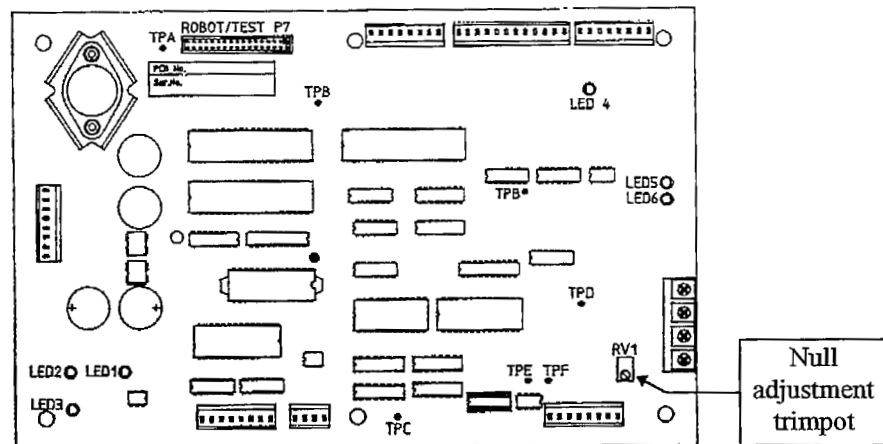
"Ready" state display

"Bar graph" display

The source of this problem has been traced to a bad batch of grey coloured, 10K trimpots used as null adjustment calibration for the CP38-10 microprocessor boards. This particular batch of trimpots would cause the null adjustment to drift significantly (approx. 100mV) over a period of 8 weeks, resulting in the bar graph display. Further drift of the null adjustment would cause the bar graph to flicker.

A blue coloured, 10K Bourns brand trimpot has been sourced and trialed successfully and will now be fitted to all production CDT 450s.

Anyone encountering this problem should replace the grey coloured trimpot with the new Bourns brand trimpot. WIA part number for this trimpot is CP38-10/12. Refer to the diagram below for the null adjustment trimpot position. Also, refer to Service Bulletin #156 for the null calibration procedure.




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