

ZPV display repair and modification.

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One weak point of the ZPV are the digits LED displays TIL311.
With ageing, and heating, they become defective.

On some ZPV the replacement of TIL311 are necessary.

To increase a little the life and reduce heat dissipation, a silicon diode GL8 has been inserted on the +5V power supply of displays.

By inserting a 1A Schottky diode in series with the existing silicon diode it will reduce the voltage by 0.3V to 0.4V without affecting the brightness.
This diode is located at the left up corner of the front panel board.

Some chemical capacitors may be "dried" too. Check ESR.

Check the fan and clean it.

