



# AVTECH ELECTROSYSTEMS LTD.

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SINCE 1975

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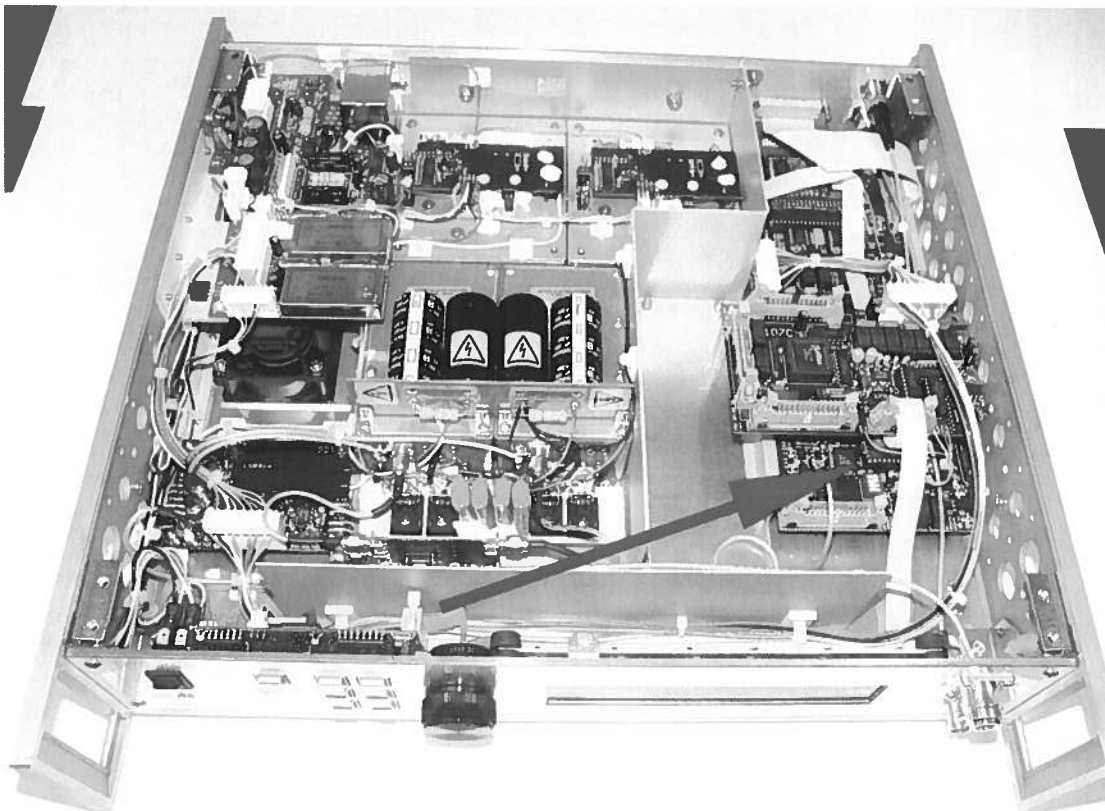
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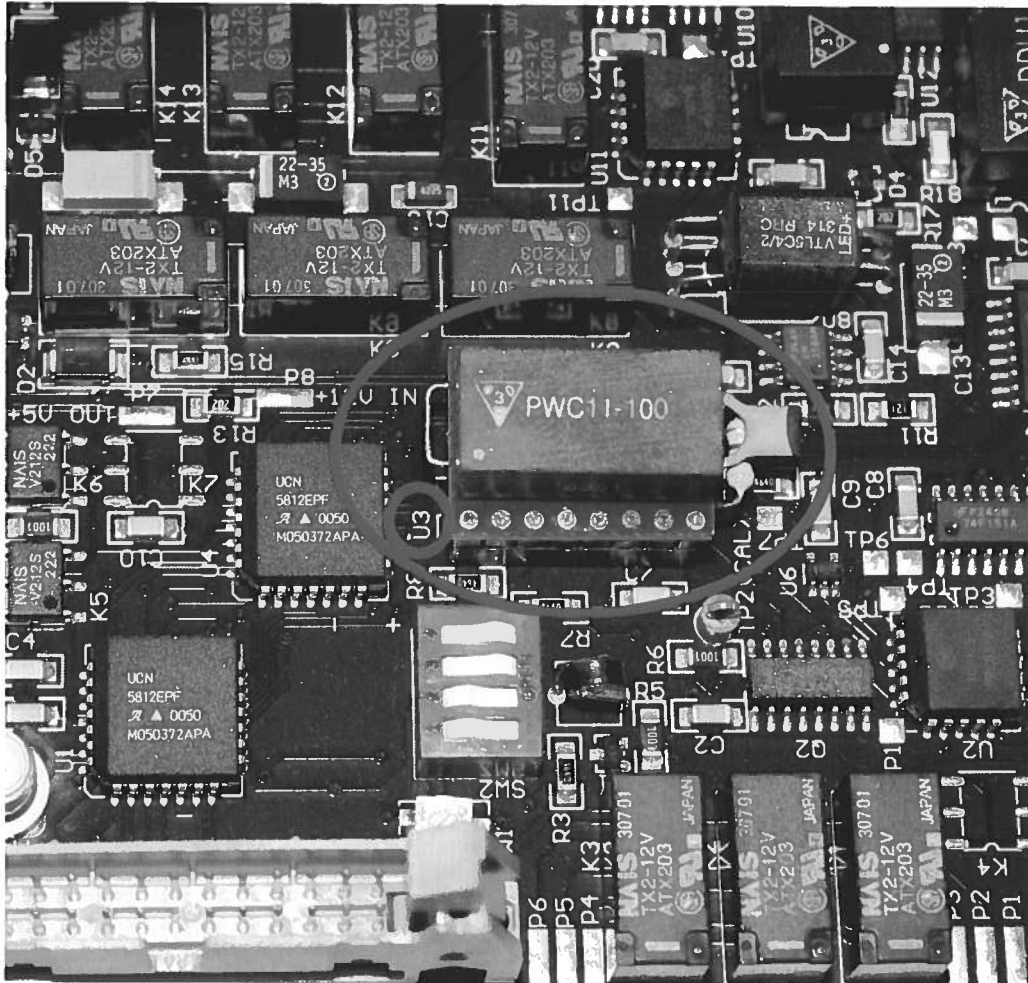
## AV-SYNC-200

### INSTALLATION INSTRUCTIONS

- 1) The AV-SYNC-200 can be used to extend the pulse width of the SYNC output of the AVR-5B-B-PN-BR (S/N 11111) from 100 ns to 200 ns. To install the AV-SYNC-200, perform the following steps:
- 2) Unplug the AVR-5B-B-PN-BR (S/N 11111) power cord. Let the instrument sit unpowered for 5 minutes to ensure that all internal capacitors have fully discharged.
- 3) Remove the four screws on the top cover. Slide the top cover towards the rear and off.
- 4) Examine the area of the instrument shown below:



- 1) Locate the "U3" module, marked in the above photo with a red arrow. It is next to the red four-position DIP switch. This module is shown in greater detail below. (In the actual instrument, the module is partly hidden by a circuit board above it.)



- 5) The U3 module is installed in a 16-pin socket. Gently lift the module up and out of the socket.
- 6) Install the new AV-SYNC-200 module in the socket, in the same orientation as shown above.
- 7) Re-install the top cover. Re-connect the power cord, and test the instrument.
- 8) If anything is unclear, please call (613-226-5772) or email ([info@avtechpulse.com](mailto:info@avtechpulse.com)) for assistance.

Dr. Michael J. Chudobiak  
Chief Engineer  
August 30, 2005

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